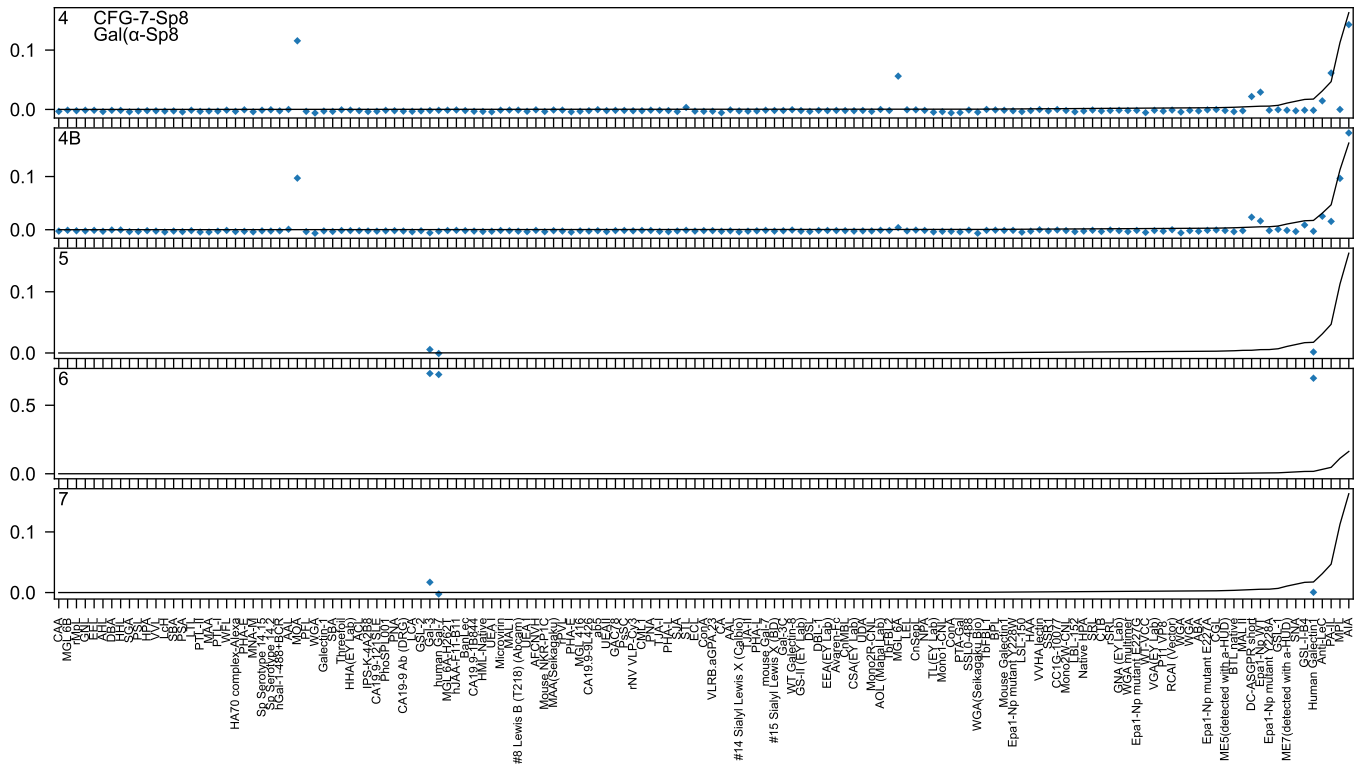
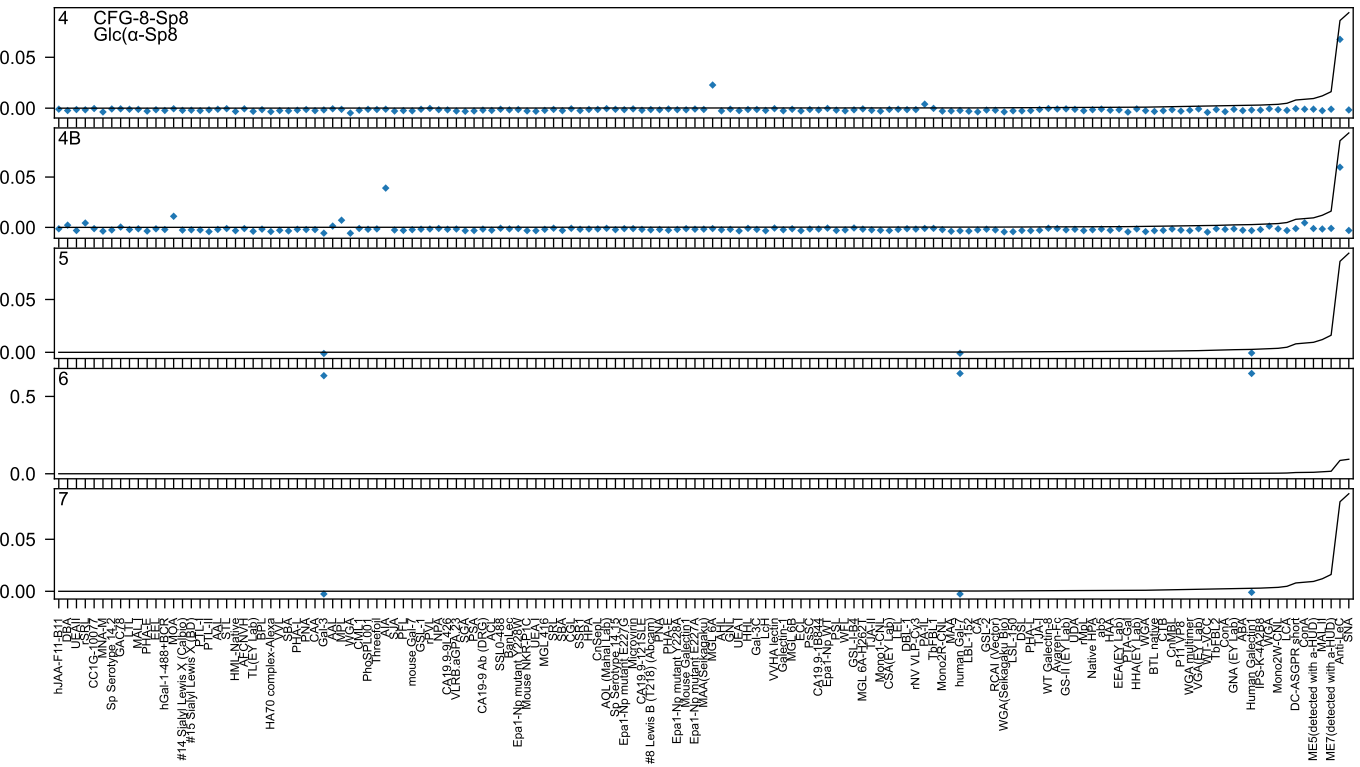
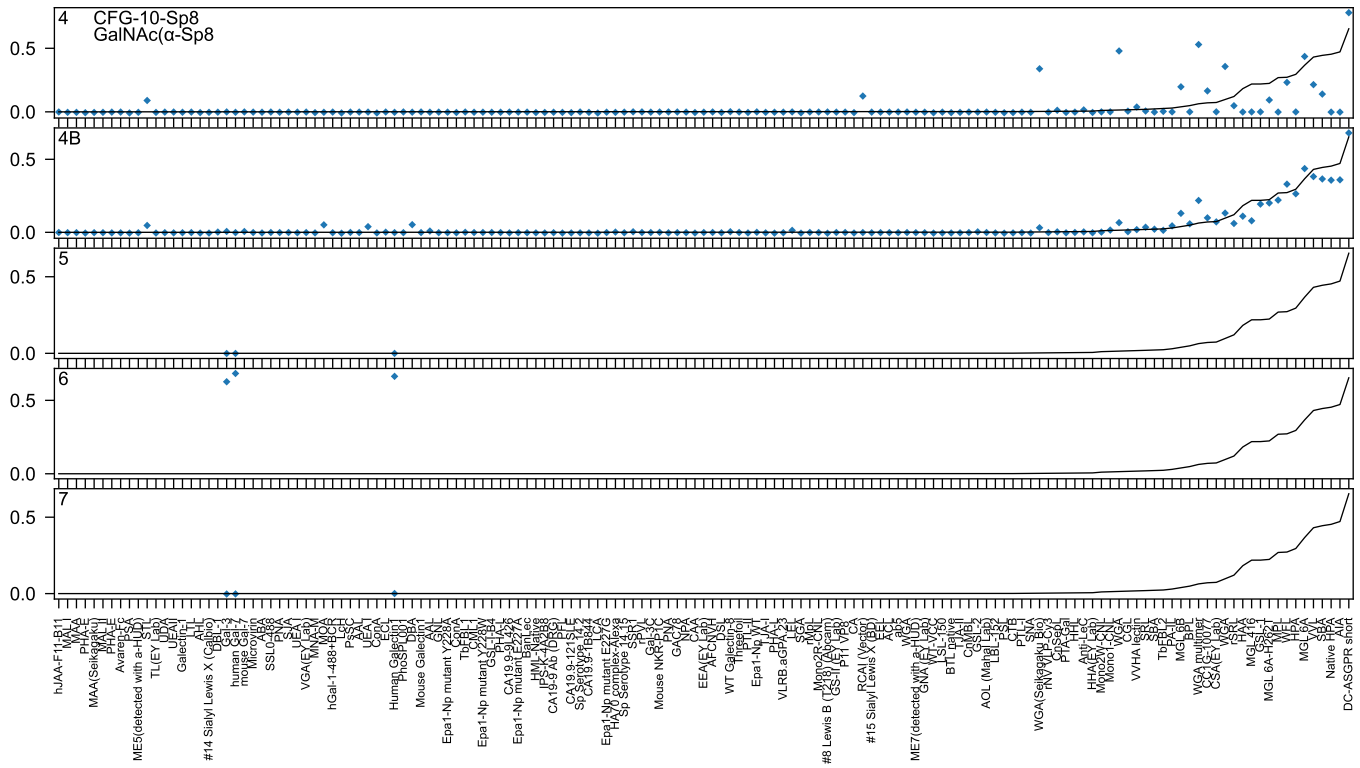
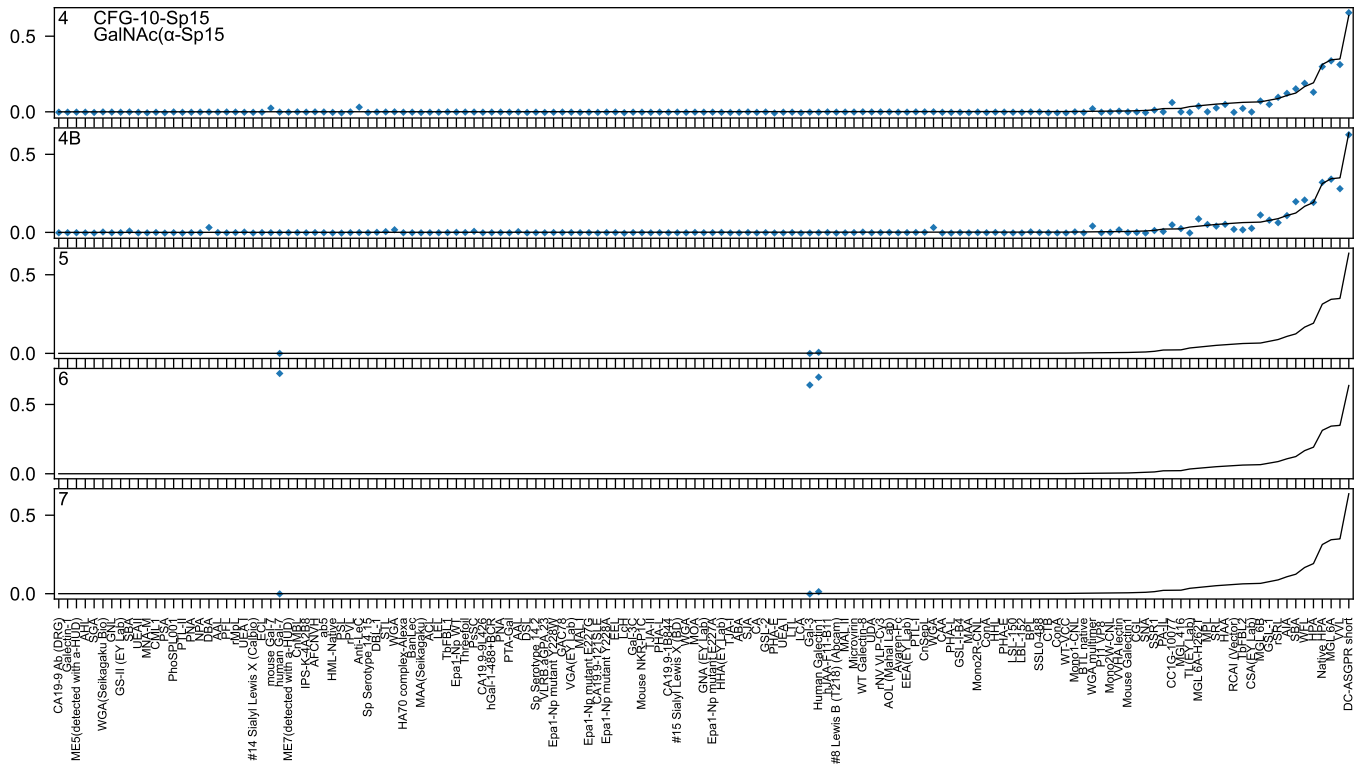

4
CFG-7-Sp8
Gal(α-Sp8
4B
5
6
7
0.1
0.5
0.0
CAA
CAB
MGL
TKA
CEL
GAL
GNL
SSA
HPA
LCA
VVA
SBA
LTA
PWM
PWL-I
PWL-II
HA70 complex-Vera
PHA-E
PHA-L
Sp Serotype 14-1
Sp Serotype 14-2
hGal1-488-Fc
AAL
AAL
NPA
WGA
WGA
Galectin-1
SBA
Thyroglobulin
ABA
HHA(EY Lab)
PSA
PSA-4A2B8
CA19.9-Ab (DRG)
PhoSP-L001
CA19-9 Ab (DRG)
CA
GLA
Gal-3
Gal-3
human Galectin-7
MGL-1 418
hJAA-F11-B11
HML-Native
Microtubin
NVAL1
#8 Lewis B (T218) (Abcam)
NPA
MAL
Mouse MGL-1/CD301
MAA(Seikagaku)
PHA-E
PHA-L
MGL 418
CA19.9-Ab
aGB
GNA
GSII
PsaC
nNV VLP-GI.3
CFA
PNA
PHA-L
SNA
SLA
ECL
GNA
VLRB.aGPC
CA
#14 Sialyl Lewis X (Calbiochem)
CA
mouse Galectin-7
PHA-L
PHA-E
#15 Sialyl Lewis A (BD)
WT Galectin-8
GS-II (EY Lab)
DBL-1
EEA(EY Lab)
Avaglycin
CSA(EY Lab)
MBL
CSA(EY Lab)
UDA
Monoclonal
AOL(Monoclonal)
rbt-BL2
MGL-1
LEL
CnSpL
TL(EY Lab)
Monoclonal
PTA-Gal
SSL-1 (Bio)
WGA(Seikagaku)
rbt-BL1
Bin
Mouse Galectin-1
Epa1-Np mutant V228W
LSL
HAX
VVHA(Jean)
CC1G-100077
Monoclonal
PAL-Gal
Native HPA
STB
Strep
GNA (EY Lab)
WGA multimer
Epa1-Np mutant K227C
VGA(EY Lab)
RCA (Vector)
WGA
ABA
Epa1-Np mutant E227A
ME5(detected with a-HUD)
BTL
MAU-II
DC-ASGPR short
Epa1-Np mutant V228A
ME7(detected with a-HUD)
GSL(D)
SNA
Human Galectin-1
Galectin-1
Anti-Lec
Fucoidan
MPL
AIA


4
CFG-8-Sp8
Glc(α-Sp8
4B
5
6
7
0.05
0.00
0.5
0.0
hJAA-F11-B11
BJA
UEA1
ECA
CC1G-10007
Sp Serotype 6A-C28
MAL I
PHA-E
hGal-1488+ECR
#14 Sialyl Lewis X (CA19-9)
KOA
#19 Sialyl Lewis X (BB)
PTL-I
AAL
SNA
HML-N
AEC(NVH)
TL(EY Lab)
BPL
HA70 complex-Alexa
SBA
PNA
CAA
CAA3
MPL
VVL
CNL1
PhoSPLD1
Thrombin
AIA
BPA
mouse Gal-7
GNL
PWL
NPA
CA19-9-Alexa
VCRB aGPA-23
SSA
CA19-9 Ab (DRG)
SSL0-488
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Mouse NK-1-BTC
MGL-EEA
SBL
SBA
SBB1
SBB2
CnSepA
AOL (Matral Lab)
Sp Serotype 6B
Epa1-Np mutant E227G
CA19-9 Ab (Abcam)
#8 Lewis B (T218) (Abcam)
PHA-E
Epa1-Np mutant Y228A
Mouse Gal-3
Epa1-Np mutant E227A
MAA(Seikagaku)
MGL
AAL
UEA1
HGL
Gal-1-CH
VVLHA lectin
Galectin-1
MGL-68
PSL
CA19-9-1B244
Epa1-Np WT
PNA
WFL
MGL 6A-H2627
GSL-I
Mono1-CNL
CSA(EY Lab)
rNV VLP-Cy3
DBL
TxRBL
Mono2R-CNL
human Gal-7
LBL-TX
GSL-2
RCA I (Vector)
WGA(Seikagaku Bio)
LSL-1-B4
PHA-L
WT Galectin-3
Avidin-Fc
GS-III(EY Lab)
ABA
Native PNA
MPL
abs
EEA(EY Lab)
HPA
ETA-Gal
HHA(EY Lab)
VVA
BTL native
CnMBP
PTI VP8
WGA(EY Lab)
VGA(EY Lab)
TL-EBL-2
CorA
GNA (EY Lab)
ABA
Human Galectin-1
TPS-K-Man
Mono2W-CNL
DC-ASGPR short
ME5(detected with a-SUD)
MAL I
ME7(detected with anti-LC)
Anti-LC
SNA

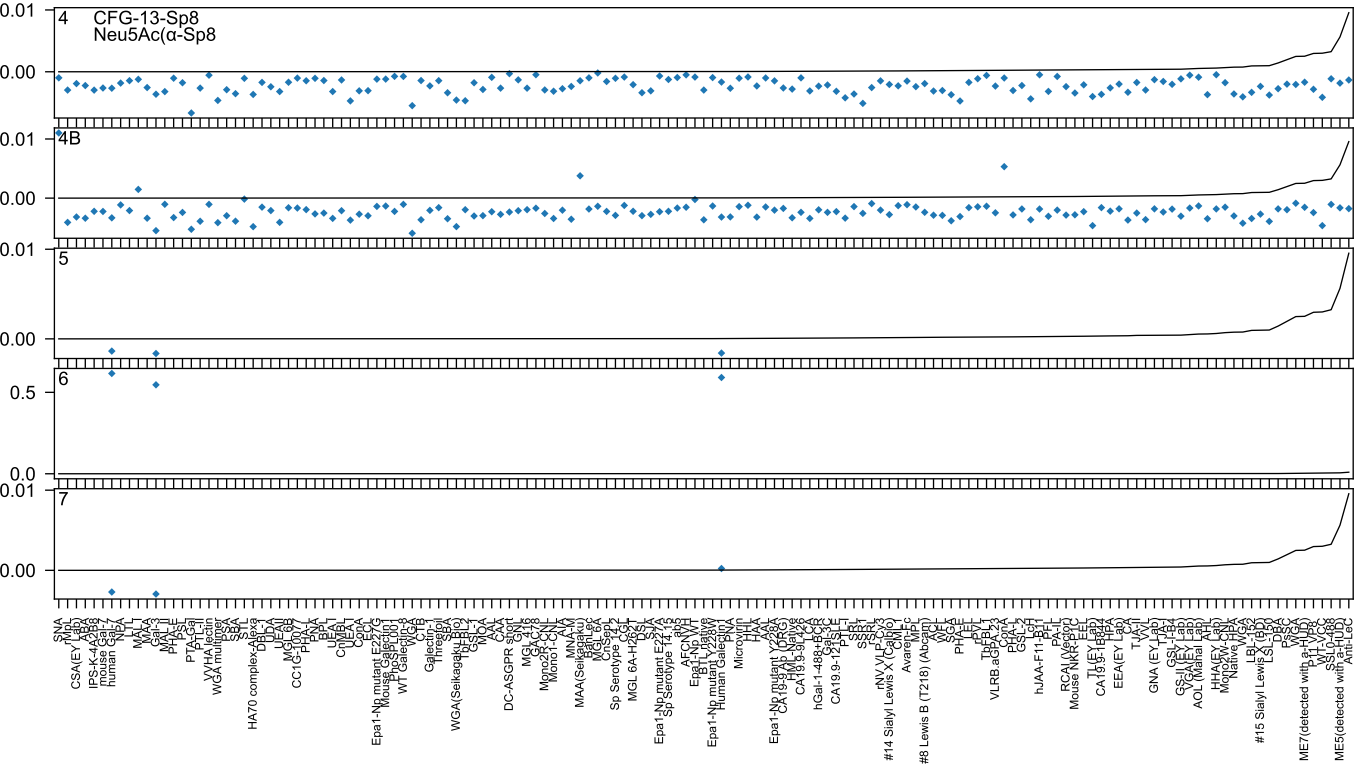
4
CFG-9-Sp8
Man(α-Sp8
4B
5
6
7
0.25
0.00
0.5
hJAA-F11-B11
MAA
MAA(Seikagaku)
MNA-M
UEA
UEA II
WGA(Seikagaku)
Rio
Galectin-1
H170 complex-Alexa
Sp complex-Alexa
VVHA (activ)
#14 Sialyl Lewis X (Ab-Sciptio)
#15 Sialyl Lewis X (BD)
APC
PNA
Sbb
CSA(EY Lab)
PhoSL-1001
PSA
ABA
UEA I
VVA
Human Galectin1
Mouse Galectin1
HMLC
CWLP
PTL
WT Galectin-8
SGA
PNA
Sp Serotype
BPL
CA19.9-1B44
DBA
DBL-1
CA19-9 Ab (DRG)
SBA
PSA
Mouse NKB-B1K
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
EP3 NP-WT
hGal-1-488
UEA I
Microvirin
CoSalA
GSII-B4
mouse Gal-7
ECL
SSA
SSB1
IPS-K
Gal-3C
MPL
MAL
TL(EY Lab)
Ann
#8 Lewis B (CT218) (Abcam)
CA19.9-121SLE
Epa1-Np mutant E227T
HPA
Mono2R-CNL
CA19.9-9D5
DBA
Epa1-Np mutant Y228A
TxFBA
VVL
PhSL
BTL
GNA
AAL
WFL
Mono2W-CNL
Mono1-CNL
Lch
Thrombin
VLRB aGPC-23
pTA-Gal
TCA
PlaA-5
GSL-1
GSL-4
GS-II
WAFL
NPA
CnUEA
UDA
TJA-I
TJA-II
DSL
MGL 6A-H265T
GS-II (EY Lab)
EEA(EY Lab)
rNV VLP-JC-1
CC1-10077
SSA
pHA38
RICAI (Vector)
WGA (Vector)
HHA(EY Lab)
AOL (Maeda-B12)
LS-174
LS-174
VGA(EY Lab)
LBL-152
Wheat-VCC
Native HPA
VCB
ACL
GNA (EY Lab)
ABA
BTL native
Average-FC
MEF(detected with a-HUR)
MEF(detected with a-SNA)
SNA
MGL 6A
MGL 6B
AmLeC
GALA
DC-ASGPR short

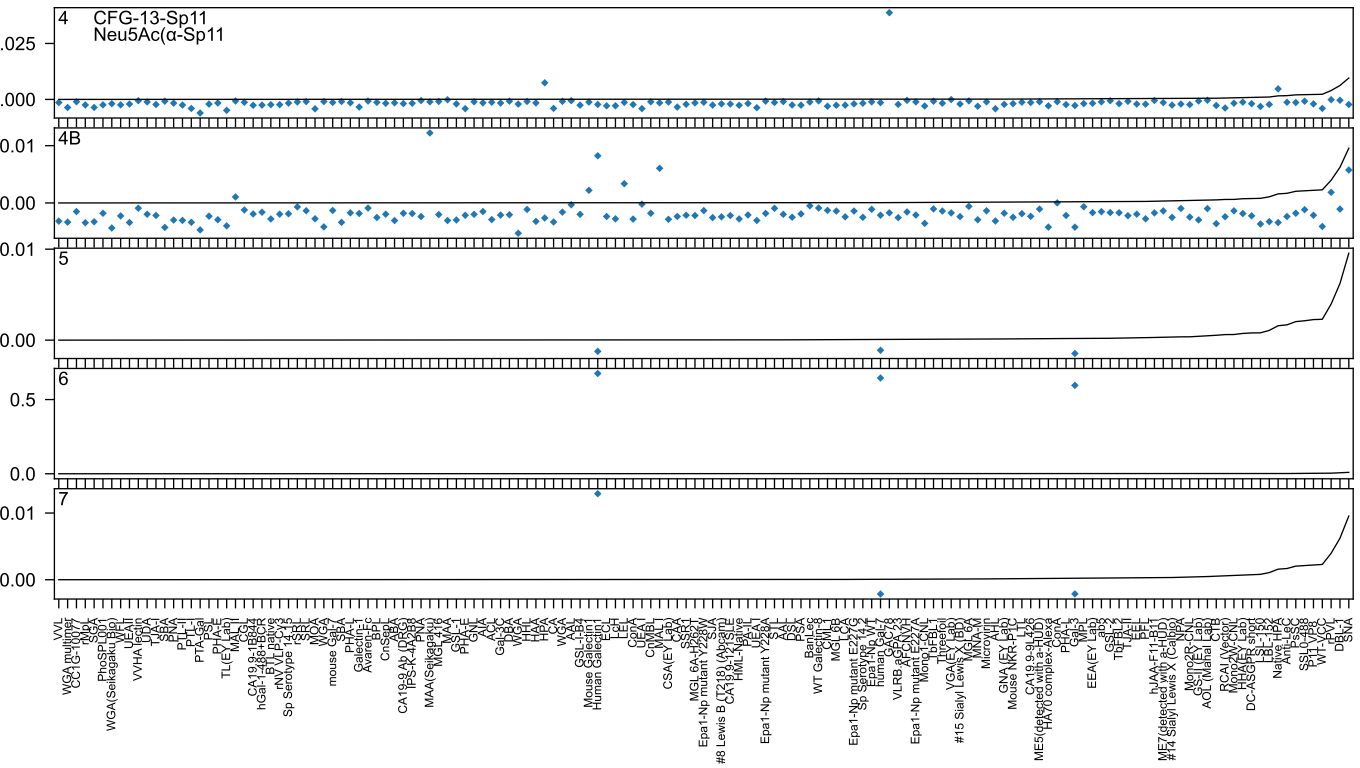

4
CFG-10-Sp8
GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
hJAA-F11-B11
MAA
PNA
MAA(Seikagaku)
MAL II
Avarol
ME5(detected with a-HUB)
STL
TL(EY Lab)
UEA I
Galectin-1
Ahl
#14 Sialyl Lewis X (Calbiochem)
human Gal-2
mouse Gal-7
Micro Lec
ABA
SSL0488
ABA
SVA
UEA I
VGA(EY Lab)
MAA(Y)
hGal-1-488+6CB
Lsl
PSA
AAL
UEA I
ECL
Human Galectin-10
PHA-E
DBA
Mouse Galectin-1
AIA
GSL I
ConA
Epa1-Np mutant Y228W
Tomato Lec
Epa1-Np mutant Y228W
GS-II-B4
CA19.9-SLe(x)
Epa1-Np mutant Y228W
Barley Lec
HWL-Neuraminidase
IPL-Neuraminidase
CA19.9 Ab (DBG)
CA19.9-12-SLE
CA19.9-SLe(x)-1-4-2
Sp Serotype 14-2
CA19.9-1-SLE
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Sp Serotype 14-13
Sp Serotype 14-18
SBA
Gal-3
Gal-3C
Mouse NKR-P1
PNA
GAL8
CAA
EEA(EY Lab)
AEL(EY Lab)
DSL
WT Galectin-3
Tomato Lec
PTL-II
Epa1-Np
AAL
PHA-L
VLRB.aGFP
LEL
SGA
RCA
Mono2R-CNL
#8 Lewis B (Calbiochem)
GS-II (EY Lab)
GS-II (EY Lab)
PT1 VP8
C
#15 Sialyl Lewis X (BD)
RCAI (Vector)
ACL
WFA
VVL
ME7(detected with a-HUB)
GNA (EY Lab)
WT-VP8
BTL-156
BTL (Lectinity)
CSL2
CSL3
AOL (Matrix Lab)
LBL
PSL
CTB
PTA
SNA
WGA(Seikagaku Biobusiness)
nNV-VP8
CaSal
PTA
HHA
Arty Lec
HHA(EY Lab)
Mono25V-CNL
Mono1-CNL
CGL
VVHA lectin
SBA
SBA
ThPA-L
MGL
BSL
VGA multimer
VGA(Vector)
CSA(EY Lab)
VGA
SNA
MGL-416
MGL-1
MGL 6A-H2B27
MEL
HPA
MGL-0A
SBA
Native SBA
AIA
DC-ASGPR short

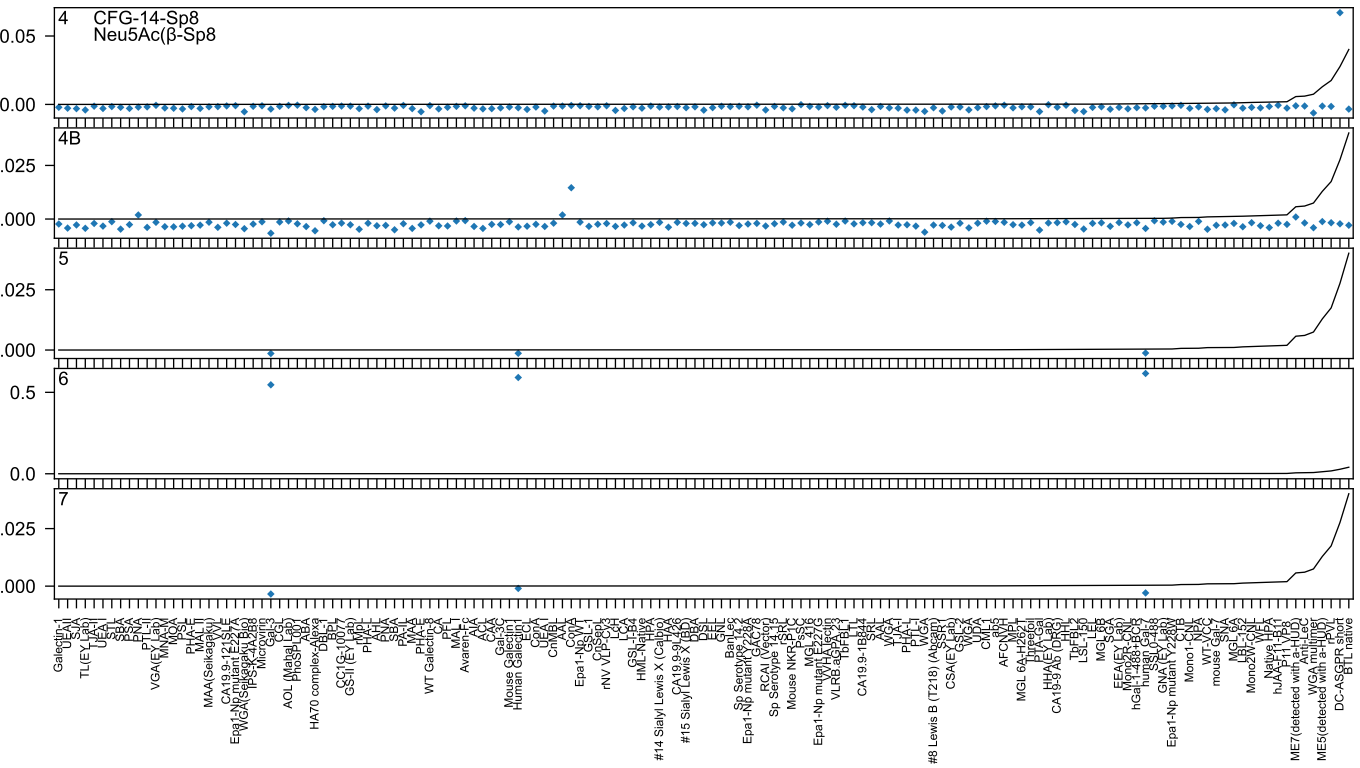

4
CFG-10-Sp15
GalNAc(α-Sp15
4B
5
6
7
0.5
0.0
CA19-9 Ab (DRG)
Galectin-1
ME5(detected with a-HUD)
AGA
SGA
WGA(Seikagaku)
Bio
GS-II (EY Lab)
UEA
MAA-N
CFA
PhoSPLC01
PNA
DBA
DEA
AAL
MPL
UEA1
MAL
#14 Sialyl Lewis X (CarbDB)
mouse Gal-7
mouse Gal-7
ME7(detected with a-HUD)
IPS-KC(MBB)
AFCN(Y3)
aloe
HML-Nanobody
PSL
Anti-LeC
Sp Serotype 14,15
DSL
STL
HA70 complex-MesA
Bam1ec
MAA(Seikagaku)
ACL
AAL
Tb-RBT
Epa1-Np WT
Thisesol
CA19-9-1228
hGal-1-488+PVA
PVA
PTA-Gal
DSL
Sp Serotype 4,5
Epa1-Np mutant Y-228V
Epa1-Np mutant Y-228V
VGA(EY Lab)
MAL-I
Epa1-Np mutant Y-228A
CA19-9-1516-LE
Epa1-Np mutant Y-228A
Epa1-Np mutant Y-228A
EGA
Mouse NK-Gal-1C
Gal-1C
PHA-E
PHA-L
CA19-9-1B44
#15 Sialyl Lewis X (BD)
MGA
GNA (EY Lab)
Epa1-Np WT
HHA(EY Lab)
ABA
SNA
GSL-2
PNA-T
UEA-T
LTA
Gal-3
Human Galectin-1
#8 Lewis B (Calbiochem)
MAL II
WT Galectin-8
Microcystin
rNV VLP-Cy3
AOL (Mahal Lab)
EEA(EY Lab)
PHL-I
CVN
CGA
PCA
GSL-I B4
Mono2R-UNA
ConA
PHA-E
LSL-159
LBL-1
BPF
SSLO-CBB
CoA
WT1-CKC
Mgm1-CKC
BTL native
WGA-BIOTINYLATED
Mono2A-CNL
Mono2A-Lectin
Mouse Galectin1
SGA
SSA
SSA1
CC1G-10017
MGL 416
TIM-1
MGL 6A-H-2B2
VIR
VIR
HAA
RCAI (Vector Lab)
CSA(EY Lab)
MGL 1D8B12
GSL-I
PSA
SBA
SBA
UEA
HPA
Native HPA
MGL
VVA
DC-ASGPR short

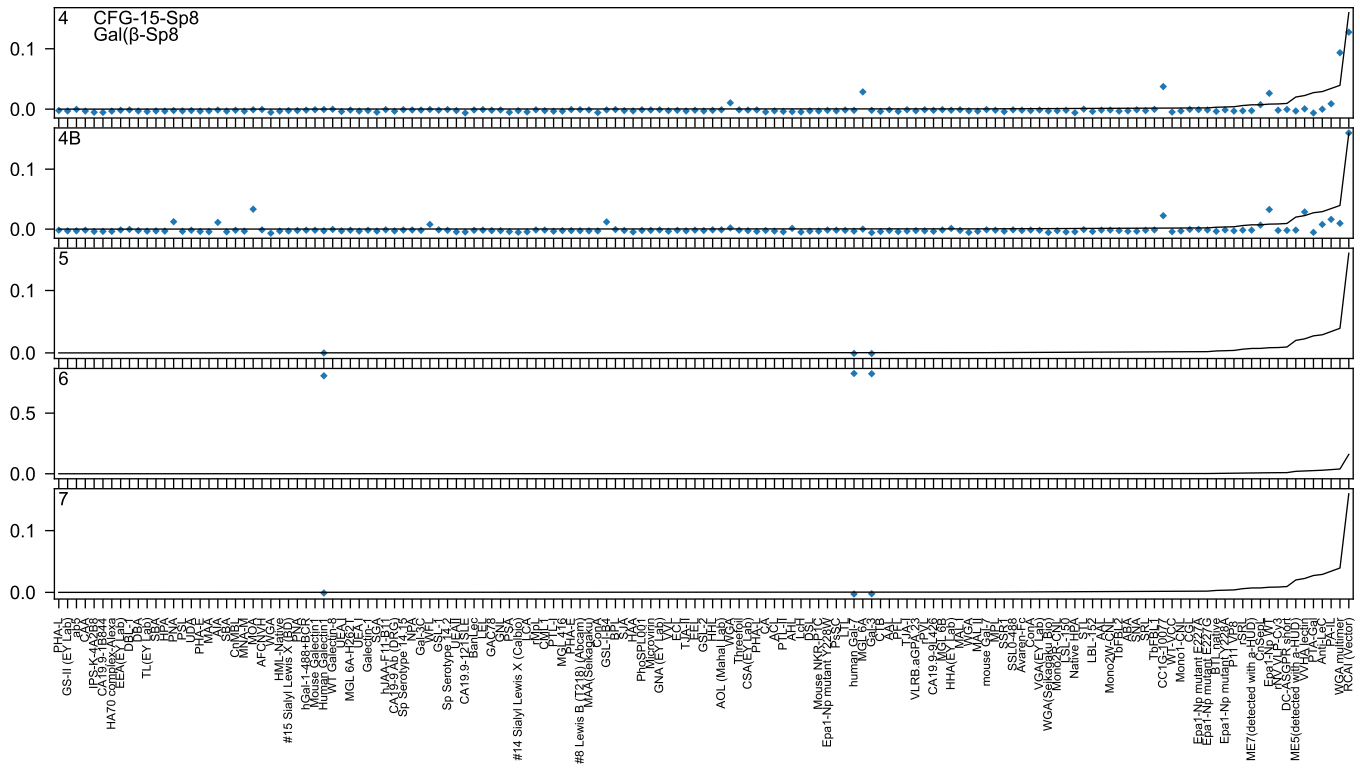
4
CFG-11-Sp8
Fuc(α-Sp8
4B
5
6
7
0.5
0.0
UDA
UEA
HPA
HPA
CSA(EY Lab)
LEA
Gal-7
mouse Gal-7
Gal-3
MALL
MAL
PNA
MAA
MAA(Seikagaku)
CA19.9-1(SLE
MAL
PSL
Con
PTA
PTA-I
PBL-I
RCAI (Vector
PNA
SBA
CnSeA
SJA
SJA
WGA(Seikagaku Biq)
TL(EY Lab)
DBA
DBA
Galectin-1
SSL(Calbiochem)
Con
PCA
NiGal-1488-1506
Epa1-Np mutant Y229A
MAA-M
WGA
SBA
PNA
Thy-1
IPS-K-14-2588
PHA-L
AAL
LHA(EY Lab)
Con(EY Lab)
Galectin-2
Mono2W-CNL
CeaA
CeaA
GSL-2
GNL
AVL
AVL
SVA
SVA
CA19.9-1-418
MGL 418
PEL
#15 Sialyl Lewis X (Novo
LWT-Nanovo
VLRB aPCR 23
APCR 23
Epa1-Np mutant Y229A
Sp Serotype 1&4
WT Galectin-8
CA19-9 Ab (Novo
SBA
Mono1-SBA
human Gal-7
Microvirin
Epa1-Np WT
Gal-8
BSL
#8 Lewis B (T218) (Abcam)
Avaren-Fc
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y229G
PSSC
CC1G-1D1
GAC78
PVL
KSRL
SRL
CON
PhoSPL
PTA-I
PTA-I
MGL 6A-H2B4
MP
Epa1-Np mutant E224A
EEA
EEA
VVHA lectin
AEL
AEL
MGL-6B
HA70 complex Eur-H
rNV VLP-Cy3
NPA
NPA
CNA(EY Lab)
VGA(EY Lab)
abs
CA19.9-1B244
FAUL
ME5(detected with a-HUD)
WGA
Mouse NER-B1C
NAA
EEA(EY Lab)
TBL-1B2
Sp Serotype 14-15
GSL-I-B4
LSL-I-B4
P11
Vac
Native MP
ME7(detected with a-HUD)
WGA multimer
Mouse Galectin-9
Amphi-K
TBPBL2
UEA
UEA
CTB
CTB
DC-ASGPR short
Human Galectin-9
UEA
AOL (Maturation)
AAL

4
CFG-11-Sp9
Fuc(α-Sp9
4B
5
6
7
0.5
0.0
SNA
SNA
NEL
#8 Lewis B (T218) (Abcam)
PHA-E
MAA(Seikagaku)
WAL II
MAA-M
PTL-I
PWGA
SBA
TJA-I
SNA
UDA
PAL
WGA(Seikagaku, Bio)
PHA-L
EEA(EY Lab)
Moro2-CNB
VVLB
#14 Sialyl Lewis X (BD)
CA19-9 Ab (BD)
hGal-1-488+BCR
GAL8
GAL9
Epa1-Np
CoA
Eto
Mouse Galectin-1
PhoSP (UD)
CA19-9 Ab (DRG)
Galectin-1
Mono1-CNB
Mono2R-CNB
mouse Gal-7
CEA
rSR
Sap
CnSP
VP8
Epa1-Np mutant Y228V
CGN
HPA
Sp Serotype 14-2
Sp Serotype 9-2
#15 Sialyl Lewis Y (BD)
APC
LEAI
WEL
rNSL
rNSL
Bauhinia
human Gal-1
Galectin-7
CC1G-1(Vector)
DSL
CC1G-1(Vector)
Thrombo
Epa1-Np mutant Y228V
CSA(EY Lab)
PNA
Epa1-Np mutant E227A
SBA
ABO
HIT
Micromyt
Avarep-EC
HX
HA70 complex-Alexa
Epa1-Np mutant E227A
GSA
CA19-9-488
MGL 6A-H226A
CA19-9-488
HAA
CA19-9-12-1SLVE
HIML
P-SSC
Epa1-Np mutant E227G
GS-IV
BEL
BEL
AIL
VGA(EY Lab)
RCAI (Vector)
Mouse NKR-P1C
Sp Serotype 14-13
TL(EY Lab)
ABA
CTA
WT Galectin-8
XAA
MGL
MGL
Native HPA
TJA-I
PHA-E
HHA(EY Lab)
HAA(EY Lab)
GNA (EY Lab)
PHA-L
PHA-Gal
GS-II
MGL Lab)
Gal-3
Gal-3
VLRB al
P11 Vp8
WGA mutant
SSL-1488
SSL-1488
WT-VCC
LSL-VCC
LSL(MBP)
Anti-LBC
ME7(detected with a-HUD)
UEA
BTL
ME5(detected with a-HUD)
rNV VLP-CTB
Human Galectin1
DC-ASGPR
TEXI
MGL 416
AOL (Mabtech)
AAL

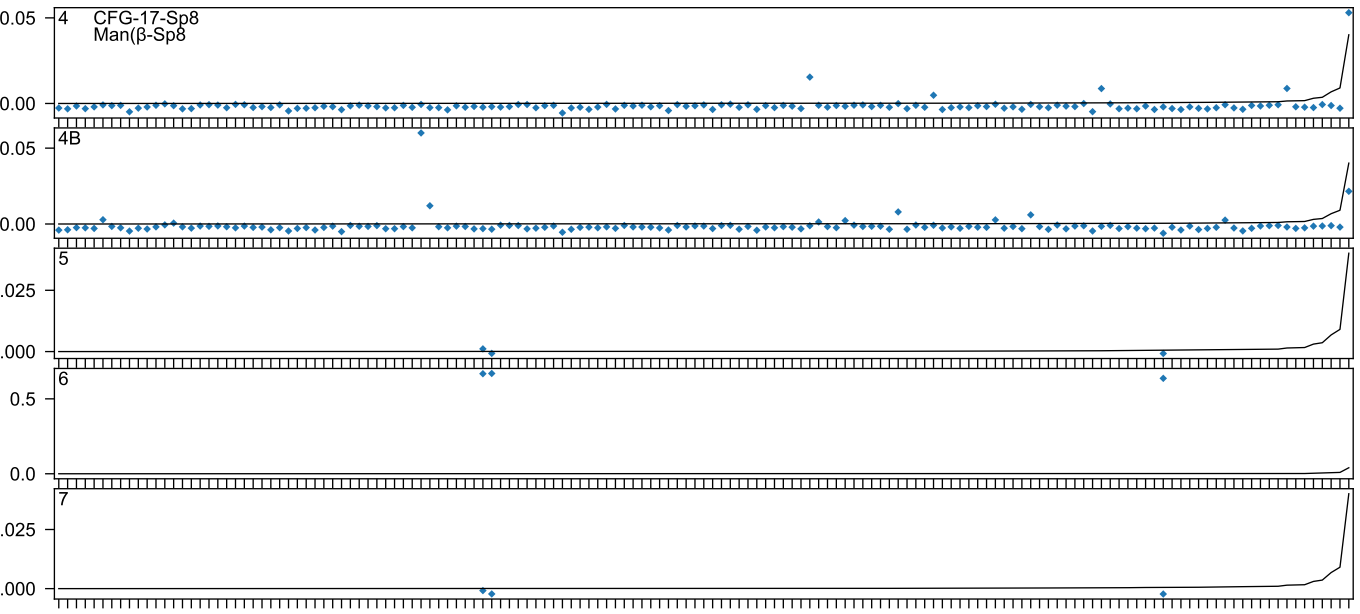

4
CFG-13-Sp8
Neu5Ac(α-Sp8
4B
5
6
7
0.01
0.00
0.5
0.0
SNA
PNA
CSA(EY Lab)
IPS-K-4-2B8
mouse Gal-7
human NPA
MALI
MAA
Gal-1
MPA
PHA-E
PTA-Gal
VVHA-Tri-1
WGA multimer
SBA
SSA
STL
HA70 complex-Biotin
DBA
UEA
UEA-I
MGL-68
CC1G-B7
PHA-L
PNA
LEA
LEL
CNBL
CCL
ConA
Epa1-No mutant E2576
Mouse Galectin-1
WT Galectin-3
WGA
PE
Galectin-1
Threegin
PSA
WGA(Seikagaku,Bio)
GSL2
MOA
CAA
DC-ASGPR short
MGL 418
MGL 4-18
Mono2-CNL
Mono1-CNL
MNA
MAA(Seikagaku)
MGL 6A
GnSep1
Sp Serotype CGC
MGL 6A-H262
SYA
Epa1-No mutant E2576
Sp Serotype 14-1-3
AFG 805
Epa1-No WT
Epa1-No mutant E2576
Human Galectin-1
Micromonas
HHL
AAL
Epa1-No mutant V2583
CA19.9-Neu5Ac
HML Neu5Ac
CA19.9-9H-Neu5Ac
hGal-1-488+BCB
CA19.9-12H-Neu5Ac
PTL-I
PTL-II
SSA1
SSA2
rNV VLP-Sa3
#14 Sialyl Lewis X (Calbio)
Avarol-LC
#8 Lewis B (T218) (Abcam)
MPL
WFL
PHA-E
PHA-L
PNL
DBL
DBP
VLRB.aGPC.A2
PNA-1
GS-I
LG7
hJAA-F11-B1
PA-IL
RCA I
Mouse NKR-P1C
EEL
TJ(EY Lab)
CA19.9-18H-Neu5Ac
EEA(EY Lab)
HPA
CA
TVA
GNA (EY Lab)
GSL-I-B4
GSL-I(EY Lab)
AOL (Makhai Lab)
HHA(EY Lab)
Mono2w-CNL
Native WGA
LBL-II
#15 Sialyl Lewis X (Calbio)
SJL (Calbio)
DSA
PSA
WGA
ME7(detected with p1-HUB)
ME5(detected with p3-HUB)
WT VCG
Anti-LEC

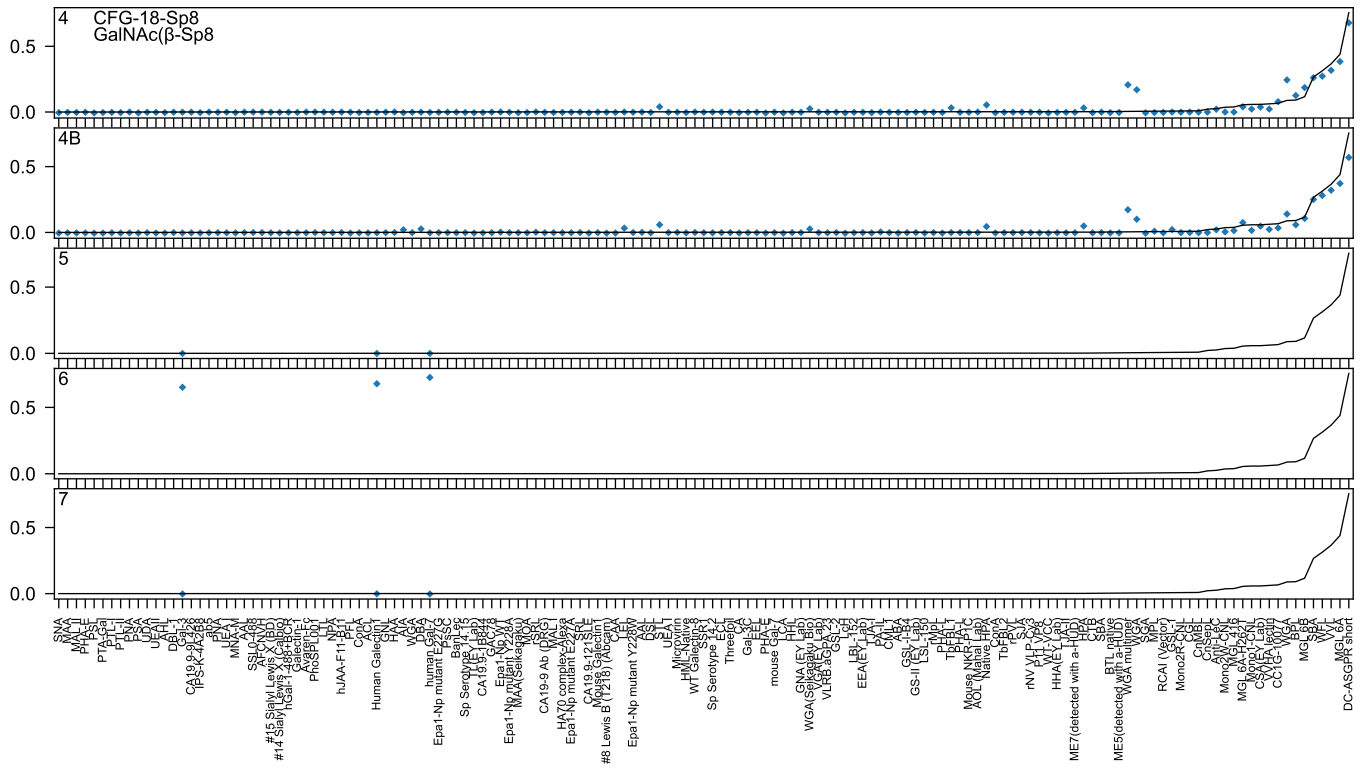

4
CFG-13-Sp11
Neu5Ac(α-Sp11
.025
.000
4B
0.01
0.00
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
VVL
WGA multivalent
CCIG-10077
SGA
PhoSPL 001
WGA(Seikagaku) (EY Lab)
VEA (EY Lab)
VVHA (EY Lab)
DBA
TJA-II
SBA
PNA
PTL-I
PTA
PTA-Gal
PHA-E
TL(E-Y Lab)
CA19.9-125
hGal-1 (488+BCR)
PTL (palva)
nVP1 (palva)
Sp Serotype 14-13
SBB
MOA
mouse Gal-2
PSA
SBA
Galectin-1
Avarelin-C
CnSecL
CA19.9 Ab (CBER)
IPS-K-4A288
MAA(Seikagaku)
MGL 416
GSL-I
PHA-L
AAA
AAL
Gal-3C
DBA
HHL
HPA
CA
WFA
GSL-I-B4
Mouse Galectin1
Human Galectin1
ECA
LEL
UEA-1
CrvMBL
CSA(EY Lab)
SSA
MGL 6A-H2B5
Epa1-Np mutant Y228W
#8 Lewis B (T218) (Abcam)
CA19.9 (HMI-Kistler)
HML-1 (Kistler)
PA-IL
Epa1-Np mutant Y228A
STL
DSL
Bandeiraea-S
WT Galectin-8
MGL 1G8
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
Sp Serotype 14-2
Epa1-Np WT
Human Galectin-7
GAC-78
VLRB aPCRV-01
Epa1-Np mutant E227A
Mono-1-PBLT
bPBLT
VGA (Everlectin)
#15 Sialyl Lewis X (BD)
MOA-M
Microvirin
GNA (EY Lab)
Mouse NKR-P1C
CA19.9-9-125
ME5(detected with a-AuD)
HA(10 complex-type)
CD22A
PSA-3
MPL
abp
GSL-I-2
TQL
LAA
BPL
hJAA-F11-B1
ME7(detected with a-AuD)
#14 Sialyl Lewis X (R-AuD)
Mono2R
GS-II (EY Lab)
AOL (Mahal Lab)
RCA I (Vector)
MOR2 (EY Lab)
DC-ASGPR sngl
LBL-1B3
Native HPA
SNA-I
PsSC
SSL1 (Vector)
WT-VCC
DBL-1
SNA

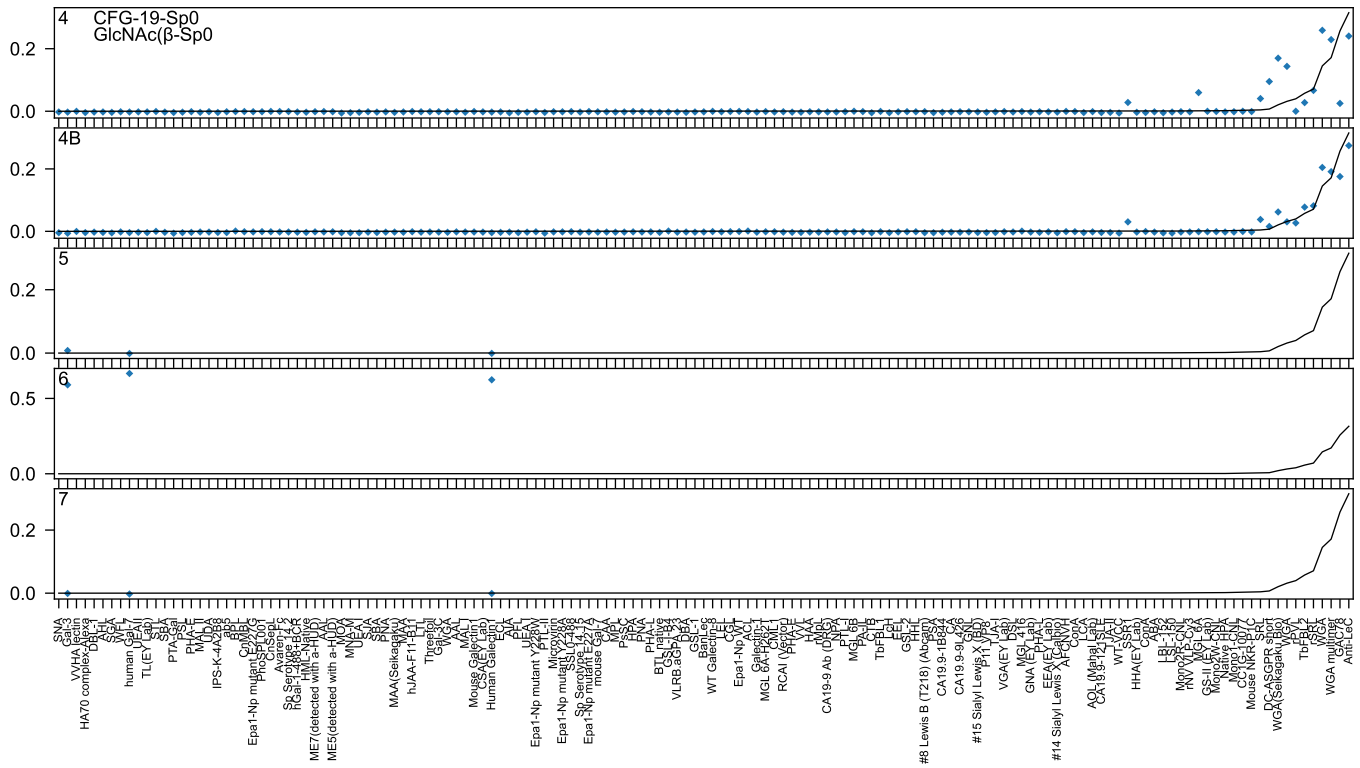

4
CFG-14-Sp8
Neu5Ac(β-Sp8
0.05
0.00
4B
.025
.000
5
.025
.000
6
0.5
0.0
7
.025
.000
Galectin1
SJA
TL(EY Lab)
UEA
SBA
PNA
PTL-I
VGA(EY Lab)
MOA
PHA-E
MAL1
MAA(Seikagaku)
WGA
CA19.9 (Vector)
Epa1-Np mutant E227G
WGA(Seikagaku Bio)
PSA
Microvin
Gal3
AOL (Matsal Lab)
PhoSL-LBA
HA70 complex-Alexa
DSL
Bip
SCC(E-10077
GS-II (EY Lab)
Mpb
PHA-L
PHA-E
PNA
SJA
PSA
MAA
PMA
WT Galectin-8
PCA
MAL1
Avarem-TX
ACL
Gal-3C
Mouse Galectin1
Human Galectin1
EUL
CgnA
CnMB
CnA
Epa1-Np WT
SSA
CoSepi
nNV VLP-CX3
LCA
GSL-I-B4
HMA
PHA
#14 Sialyl Lewis X (Calbiochem)
CA19.9-9-1426
#15 Sialyl Lewis X (Calbiochem)
DBA
DSL
GNL
Ban-Lec
Sp Serotype 14-15
Epa1-Np mutant Y228A
RCA(Vector)
Sp Serotype 14-15
Mouse NKR-P1C
MGL-2-3E
Epa1-Np mutant E227G
VVA
VLRB aGAL-28
TcFBL1
CA19.9-1B-844
SSL
SNA
WGA
PHA-L
PVL
#8 Lewis B (T218) (Abcam)
CSA(EY Lab)
GSL-I-A4
UEA
CML1
AFCM
MPL
MGL 6A-HPC
Threpeci
HHA
CA19.9 Ab (DRG)
TcFBL2
LSL-150
MGL-1B
FEA(EY Lab)
Morgan-CNL
hGal-1488-pBC3
hum001-pBC3
GNA(EY Lab)
Epa1-Np mutant Y228N
Mono1-CTB
NPA
WT Galectin-7
mouse Galectin-7
SNA
MGL-1B2
Mono2W-CNL
Native HPA
hJAC-F11-Fab
ME7(detected with a-HUD)
WGA
Anti-Lec
ME5(detected with a-HUD)
DC-ASGPR short
BTL native

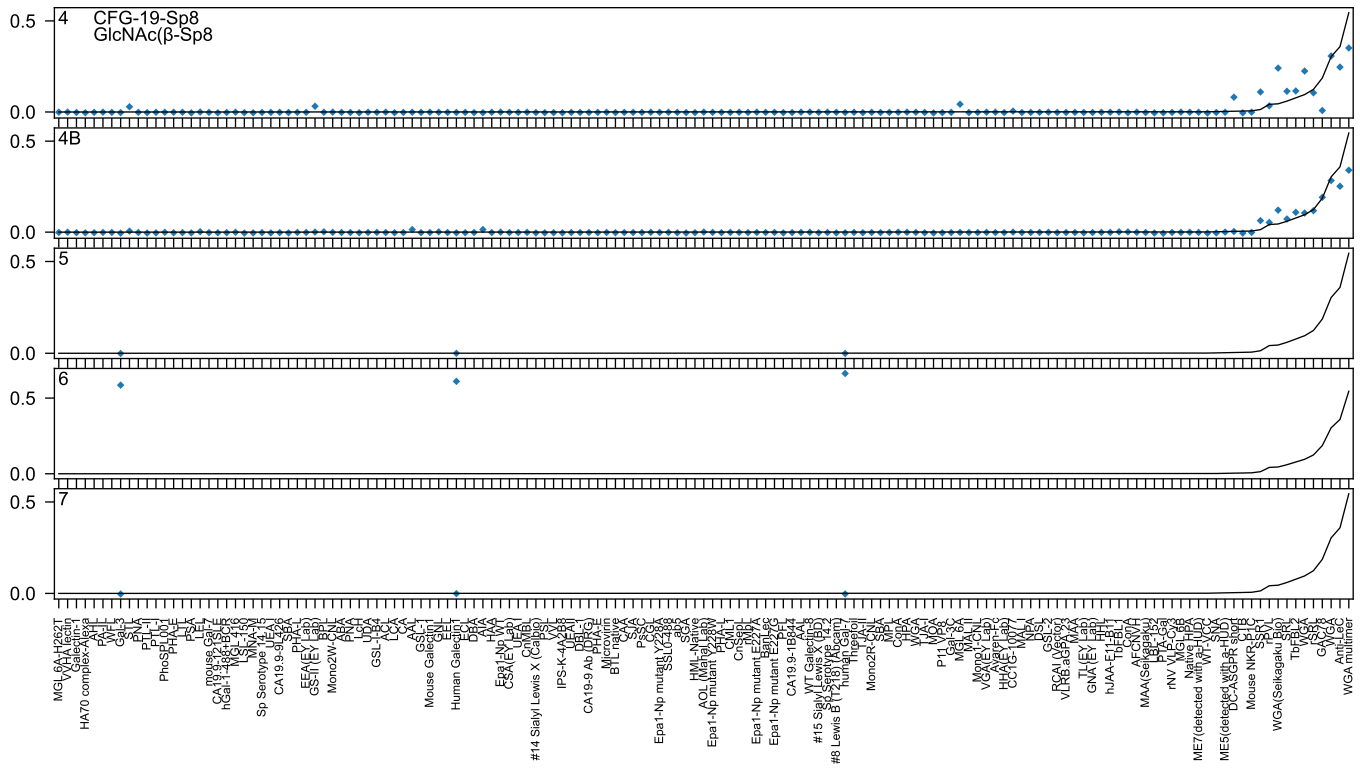

4
CFG-15-Sp8
Gal(β-Sp8
4B
5
6
7
0.0
0.1
0.5
PHA-L
GS-II (EY Lab)
ab3
IPS-K-14-288
CA19.9-1B644
HA70 (EY Lab)
PEPX (EY Lab)
DBA
TL(EY Lab)
SBA
PNA
UEA
PHA-E
AIA
WGA
MNA-M
AFCNYA
HML-NGA
#15 Sialyl Lewis X (BD)
hGal-1-488+EDR
Mouse Galectin
Human Galectin-8
MGL 6A-1
UEA1
Galectin-4
IgMAA-F11-B11
CA19.9-1A-19
Sp Serotype 14
NPA
GNA
GSL-I
Sp Serotype 1
CA19.9-B
Lectin
GNA
PSA
#14 Sialyl Lewis X (Calbio)
MPL
CPL-1
MPL-1
MPL-LE
#8 Lewis B (T218) (Abcam)
MAA(Seikagaku)
CanA
GSL-I-B4
SVA
PhoSPL (DAK)
Microvirin
GNA(EY Lab)
AJL
ECL
TEL
GSL-I-A4
AOL (Mahal Lab)
Thrombin
CSA(EY Lab)
PHA-P
CA
PALI
AHL
DSL
Mouse NKR-P1C
Epa1-Np mutant E227A
human Gal-1
WGA
Gal-8
AAL
AAL
TJA-I
VLRB.aGPA.23
CA19.9-U-428
HHA(EY Lab)
MAL
MAL-I
mouse Gal-7
SSL1
SSL0-488
Avidin-FITC
ConA
VGA(EY Lab)
WGA(Seikagaku)
Monoclonal
Native-HPA
STL
LBL
AAL
Mono2W-CNI
Tb-CNI
ABA
SNA
TxRL
CC1-CNI
WT-VVCC
Mono1-CNI
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
Epa1-Np mutant Y228G
PHA-P
GSL
MET7(detected with β-HUD)
Epa1-Np WT
DC-ASGPR-CY3
ME5(detected with β-HUD)
VVA
HA (Leadi)
Anti-LSC
RCA (Vector)
WGA multimer
RCA (Vector)

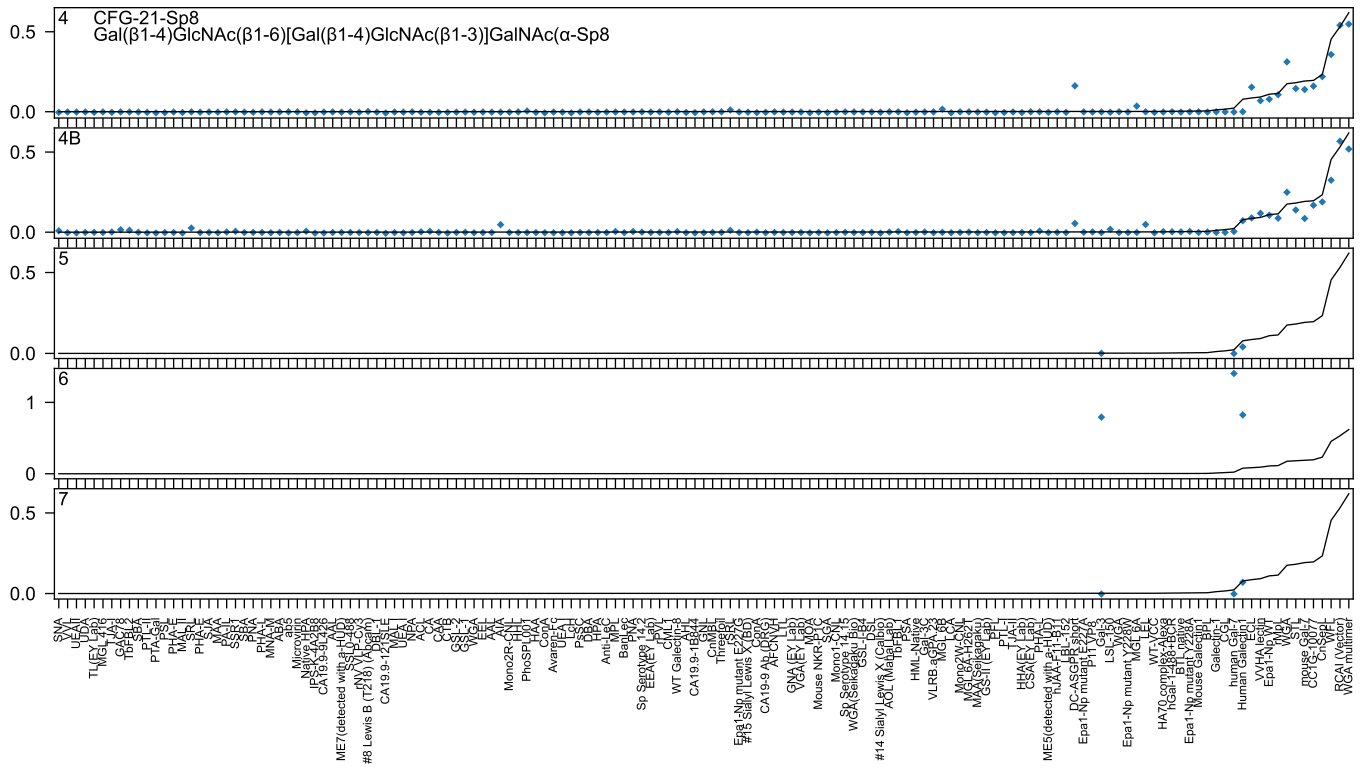
4
CFG-16-Sp8
Glc(β-Sp8
4B
5
6
7
0.1
0.5
0.0
SNA
SNA
MAA
MAA(Seikagaku)
BSII
TL(EY Lab)
UEA
AAL
DSA
Jacalin
CA19-9-PE28
IPS-K-4A2B8
PNA
PNA
MNA-M
MNA-M
SSL(CNV)
Mo88
AP-CNV/H
#8 Lewis B (T2-HBC)
HNA
Native
#15 Sialyl Lewis X (BD)
Lewis X (BD)
Sp Serotype 14 v2
Sp Serotype 14 v2
Epa1-Np 1 v1.2
LEL
hJAA-F11
BS-1
EEL
WGA
Human Galectin1
PA
PEA
Galectin-3C
CTB
CTB
UEA-I
CA19-12-PE14
human Gal-7
CA19-9-XG (ORG)
hGal-1-488+CGB
#14 Sialyl Lewis X (Calbio)
CA19-9-PE44
WGA multimer
Microvirin
GSL-I-B4
STL
PSA
PBP
MGL-418
SBA
SBA
MAL-I
CC1G
Galectin-1
VLRB.aGPA.v2
HA70 complex-Alexa
Epa1-Np mutant Y228A
Barley lectin
TJ-PBLT
SAO-78
MGL 6A-H2B2
Thrombin
Epa1-Np mutant E227G
PHA-L
PHAX
Epa1-Np mutant E227A
ACA
Mouse NKR-P1C
CSA(EY Lab)
GSL-I
CSA
PhoSL
DBA
UEA
UEA
VVA
WT Galectin-8
Epa1-Np mutant Y228A
MGL-V56
rNV VLP-CD3
PSA
PSA
SNA
WGA(Seikagaku Bio)
MPL
MPL
AAL
AAL
PHA-E
PHA-E
VVHA lectin
Vicia villosa
AOL (Marine Lab)
JAC
MGL-V56
SSB1
CGA
SRL
Mouse Galectin-9
BPA
PNA
HHA(EY Lab)
SBA
Native-PNA
GSL-II (EY Lab)
EEA(EY Lab)
LEL
Mono28-CNL
LSL-CNL
VGL-1-Fc2
GNA (EY Lab)
PHA-L
Mono28-CNL
DC-2-Fc (Sino)
RCA (Vector)
VGA(EY Lab)
ABA
DBA
ME7(detected with a-MUD)
ME5(detected with a-MUD)
MAL-I
P1-VPB2
Anti-LeC

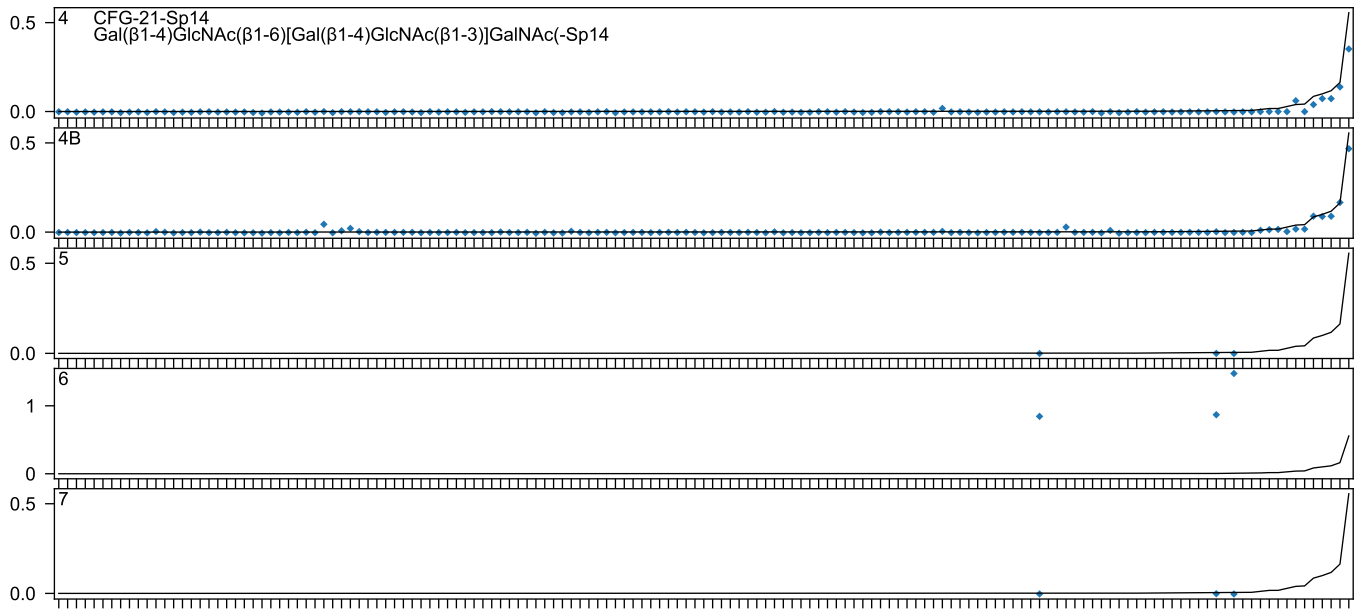

4
CFG-17-Sp8
Man(β-Sp8
4B
5
6
7
0.05
0.00
.025
.000
0.5
0.0
SNA
PSA
PNA
SBA
STA
UEA
WFL
WGA(Seikagaku Bio)
ACL
MPL
PNL
VVHA lectin
Ban lec
PS-K-47A256
ABP
PhoSPL001
CA19.9-Ab(BTG)
Sp Serotype 14
MGAC78
hGal-1-488-BCR
PSL
VGA
UEA
SBA
STA
PHA
PHA-L
ACL
MPL
PNL
hJAA-F11-B11
Thrombin
HAA
GSL-I
CAA
AIA
DBA
UDA
Mouse Galectin1
GNA
BPL
Human Galectin1
human serum
CML
CML1
HML
HML-Native
PlaA-E
Microvirin
MVA-N
Mouse 68kD
CRM197
#14 Siaqui Lewis X (Calbio)
Epa1-Np mutant E2F7A
HPL
Sp Serotype 14
HPA
#8 Lewis B (T218) (Abcam)
ACONYB
Epa1-Np mutant V228W
Mouse NKR-P1C
Avaren-Fc
WT Galectin-1
CnSepL
HA70 complex
MGL BA-H2629
CnMoA
CA19.9-G228
PAS
MOA
GS-II (EY Lab)
SSL-28
SSL-DEB
MGL-B8
Epa1-Np mutant E2F5F
CTB
TdPL-1
DSL-1
Galectin-1
Epa1-Np WT
SSA
TVL
MAA(Seikagaku)
Epa1-Np mutant
#13 Siaqui Lewis X (BD)
AOL (Bial-Vet)
nVV VLP-Q3
CorA
SGA
SNA
NPA
MAL
MAL-I
CC1G-10077
MGL-6A
HHA(EY Lab)
Ala-Ala
VLRB.aGPA-23
CSA(EY Lab)
BTL native
BPL3
TdPL3
TKA(EY Lab)
EEA(EY Lab)
LBL-182
Mono2-CNL
GNA(EY Lab)
ISL-150
RCA(Vector)
Mono2(Vector)
ME7(detected with
WGA
ABA
DSA-ASGPR-HUD
WGA mutmer
VGA(EY Lab)
ME5(detected with
KALI
Anti-LeC

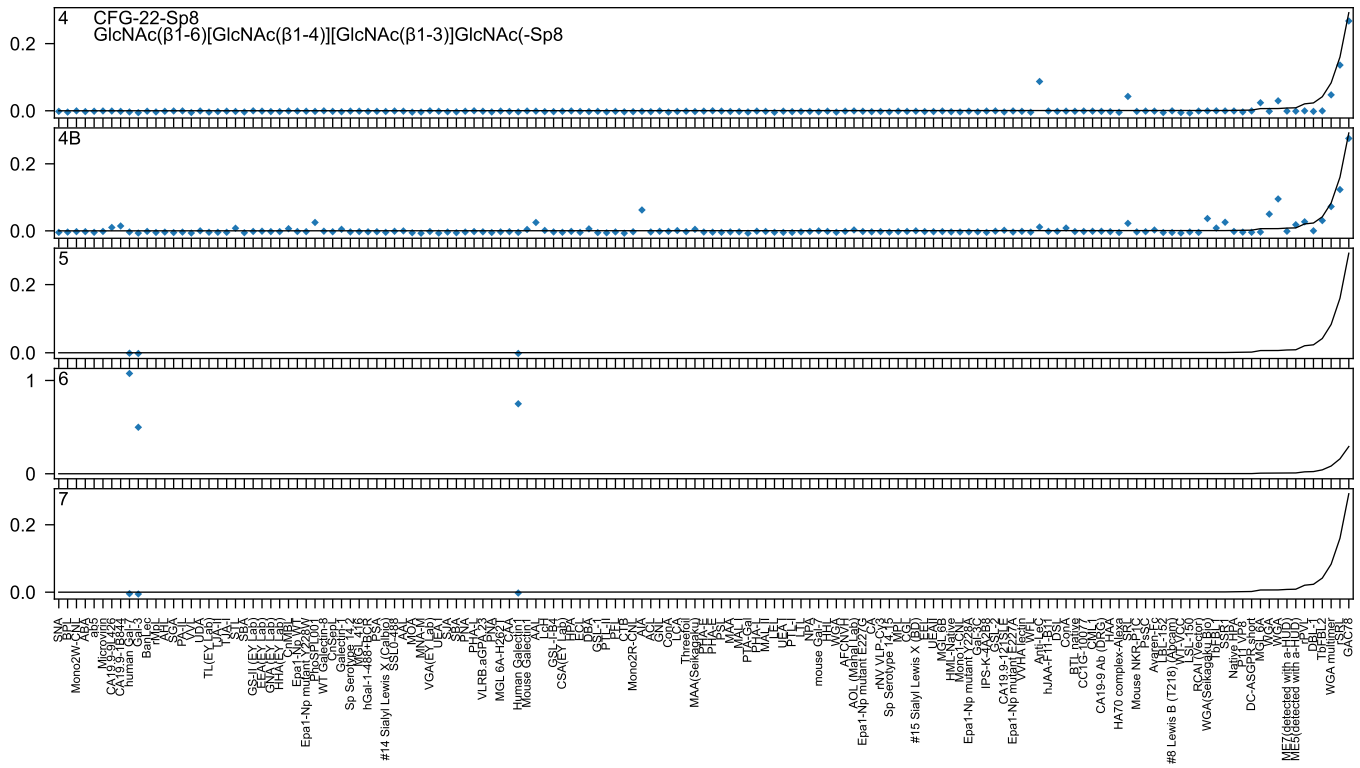

4
CFG-18-Sp8
GalNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SNA
MAL II
PHA-L
BSL
PTA-Gal
PTL-I
PSA
UEA
UEA
ECA
DBA
DBL-1
CA19-9-Lewis X
IPS-K-4A2B8
PNA
PNA
MNA-M
SSL0-A08
APCN03
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Abcam)
hGal-1 488+BGK
Galectin-1
WGA
PhoSPLDc1
NPA
hJAA-F11-B11
CrpA
ACL
Human Galectin-7
GNL
HHA
PAA
VGA
GSL2
human Gal-2
Epa1-Np mutant E225G
Bap1-95
Sp Serotype 14-15
CA19-9 (BBI)
Epa1-Np mutant Y228A
MAA(Seikagaku)
MOA
CSL3
CA19-9 Ab (DSHB)
MALI
HA70 complex
Epa1-Np mutant E225A
mouse Gal-1
CA19-9-21
SSL
Mouse Galectin-1
#8 Lewis B (T218) (Abcam)
LEL
Epa1-Np mutant Y228W
DSL
UEA1
Microvirin
HM-Agglutinin
wt Galectin-8
SSA
Sp Serotype 6
ECL
Threepenny
Gal-3C
PHA-E
mouse Gal-7
HIL
WGA(EY Lab)
SBA(EY Lab)
VGA(EY Lab)
VLRB.aGSL2
EEA(EY Lab)
LBL-1(EY Lab)
PAL
CML1
GSL-4B4
GS-II (EY Lab)
LSL(EY Lab)
MPL
TJA-I
PHA-L
BPL
Mouse NKT cell
AOL(EY Lab)
Naive HPA
TbPBP2
FVIA
FVIX
rNV VLP Sv3
rNV VLP
HHA(EY Lab)
ME7(detected with a-HUD)
HPA
SBA
ME5(detected with a-HUD)
BTL-mutu
WGA multimer
VGA
MPL
RCAI (Vector)
Mono2R-CNL
CnMBL
CnSepc
Mono2N-CNL
MGL6A-12-21B
Mono1-CNL
CNHA (BBD)
CCTG-1-WGA
BPL
MGL6A
WFL
MGL6A
DC-ASGPR short

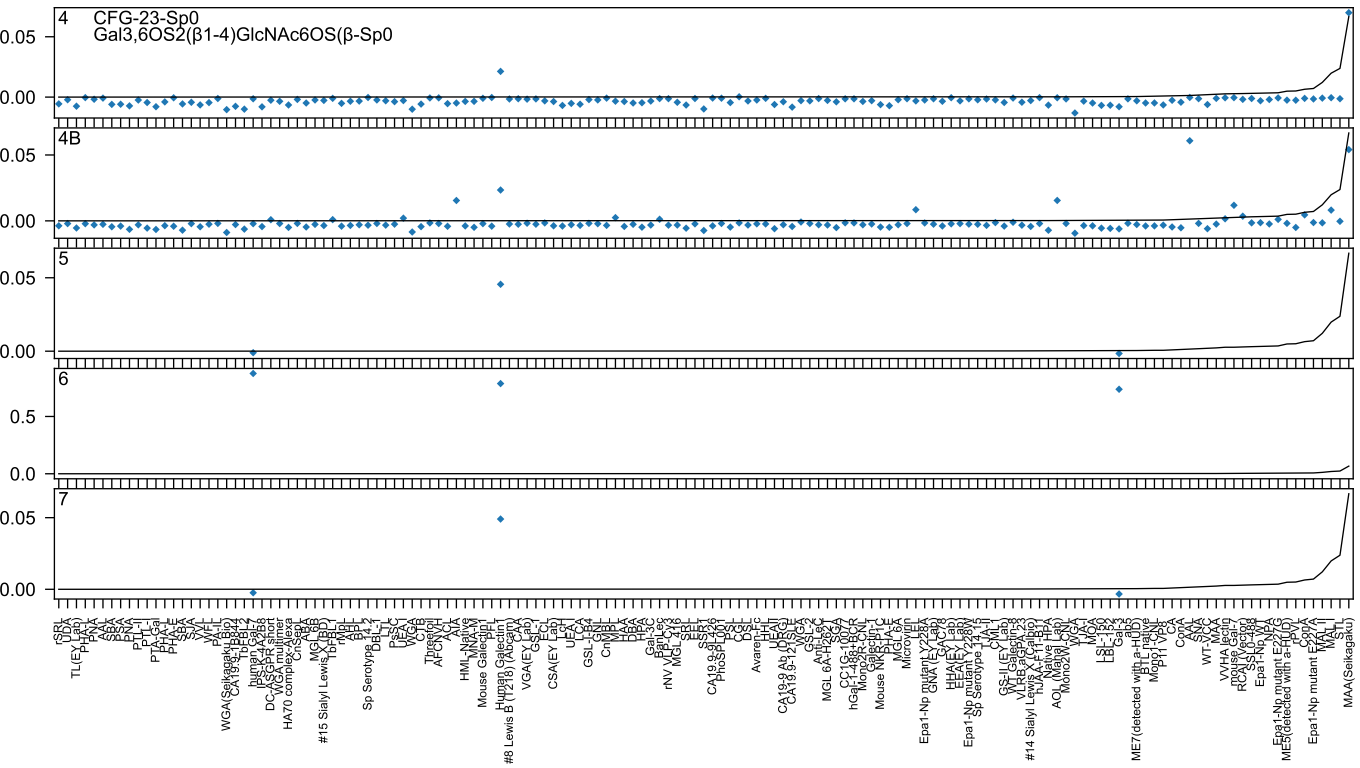

4
CFG-19-Sp0
GlcNAc(β-Sp0
4B
5
6
7
0.0
0.2
0.5
SNA
Gal3
Galectin
VVHA
HA70 complex
DBA
ACL
AGL
WFL
human Gal-1
TL(EY Lab)
SBA
STA
PTA-Gal
PHA-E
MOD1
IPS-K-4A268
ABP
Epa1-Np mutant
CONBR
ProSPLOOT
GnSep
Arcmont
Sa Serotype 14-2
RGal1-18-Tb0.5
HPA
ME7(detected with a-HUD)
ME5(detected with a-HUD)
MOA
MOR
UEA
SSA
SNA
PNA
MAA(Seikagaku)
AAL
hJAA-F11-B11
Threefold
GNA
VVA
AAL
MVAL1
Mouse Gal-9
CSA(EY Lab)
Human Galectin
EPL
AIA
UEA1
Epa1-Np mutant
PZH
PNA
Microvirin
Epa1-Np mutant
BSL(Z488)
Sa Serotype 14-2
Epa1-Np mutant
mouse Gal-2
MOA
PSA
PSA
PHA-L
BTL
GSL-I-B4
VLRB.aCPA
ACA
GSL-I
Banlec
WT Galectin-9
LEL
Epa1-Np
VOA
ACL
Galectin-1
MGL 6A
CNLL
RCA(EY Lab)
PPA
VVA
VVA
MPA
CA19-9 Ab (DSB)
NPA
PTL
MGL
PAGE
TbPBTB
LCA
GSL-I
HHL
#8 Lewis B (T218) (Abcam)
PSA
CA19.9-18B24
PSA
CA19.9-9.426
#15 Sialyl Lewis X (Abcam)
PTL
P11
VPB
VGA(EY Lab)
DSL
GNA(EY Lab)
MGL(EY Lab)
EEA(EY Lab)
#14 Sialyl Lewis X (Abcam)
APA
CoPA
LCA
AOL(Matrix Lab)
CA19.9-12-SFE
wt-VCT
SSB1
HHA(EY Lab)
ABA
ABA
LBL-180
Monoclonal CN1
rNV
MGL-6A
Gc-uP
Mouse Gal-1
Native HPA
CNOC-10074
Mouse NKR-P1C
DC-ASGPR short
WGA(Seikagaku)
PEA
PNA
TbPBT
PNA
WGA
WGA
WGA mutant
WGA
Anti-LeC

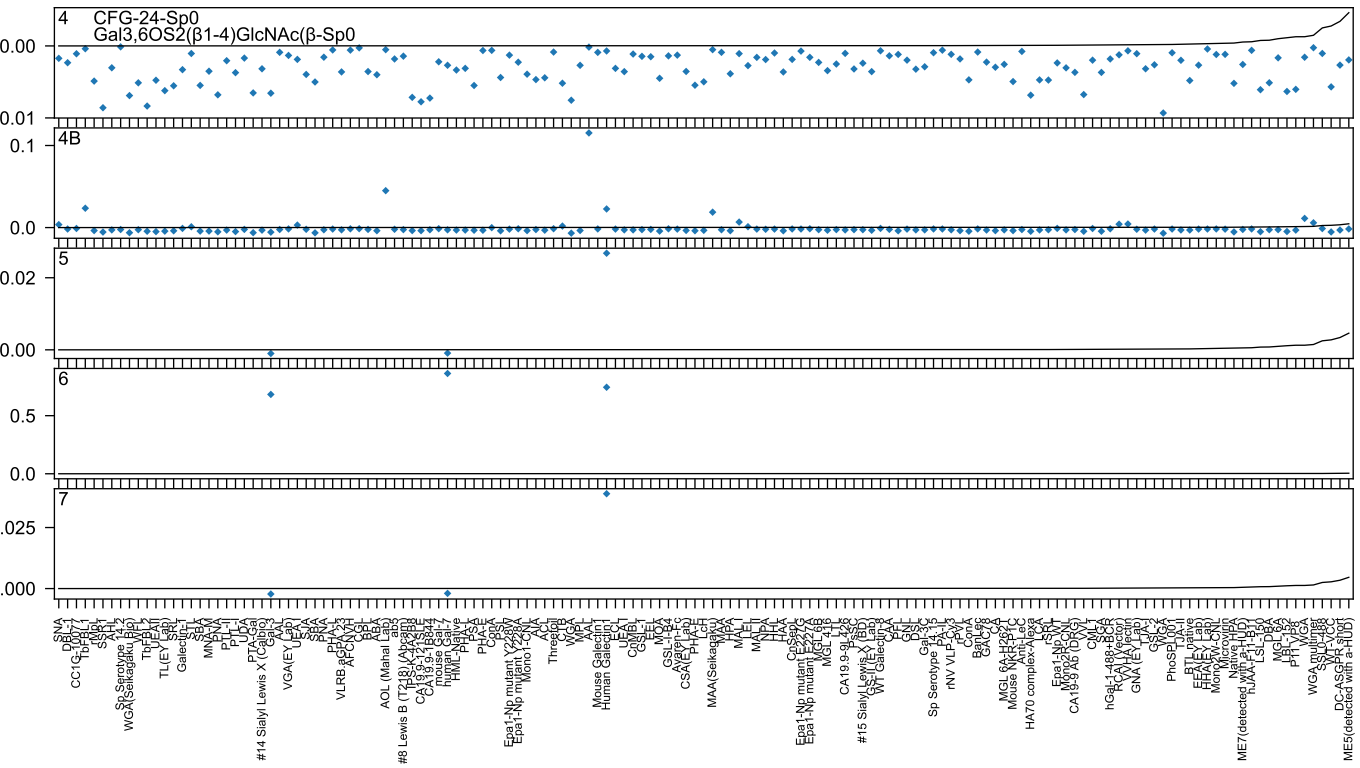

4
CFG-19-Sp8
GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
MGL
6A
1
2
3
7
Galectin-1
HA70 complex-Alexa
PAA
Gal-3
SUL
PTL-I
PhoSP-Lac
PHA-E
FSA
GAL
mouse Gal-7
CA19-9-2
hGal-1-488
hGal-8
LSL-1
Sp Serotype 14-15
CA19.9-Sp
EEA
SBA
PTA
EEA(EY Lab)
GSL-I(EY Lab)
Mono2W-Sp
ENL
ABA
LCH
UDA
ACL
LCA
AAL
Mouse Galectin-1
GNL
Human Galectin-1
DSA
AIA
WA
Epa1-Np
CSA(EY Lab)
CrvMBL
#14 Sialyl Lewis X (Calbiochem)
VVL
IPS-K-40
DBL
DBL-1
CA19-9 Ab
PHA-E
Microvirin
B1L mature
CAA
SNA
PSA
CGG
Epa1-Np mutant Y
SSL(Z488)
aBG
SSA
HML-Native
AOL (Marta Lab)
Epa1-Np mutant (Lab)
PHA-L
CVN
Cnl1
Epa1-Np mutant E
Epa1-Np mutant E2
CA19.9-1B244
ACA
WT Galectin-1
#15 Sialyl Lewis X (BD)
#8 Lewis B (Calbiochem)
human Gal-7
Tim-2
Vaa1
Mono2R-Sp
ENL
MPA
CHA
HPA
VGA
MGA
P11
VSA
Mal-6A
MCN
Mono2L
VGA(EY Lab)
HHA(EY Lab)
CCTG-10077
NPA
GSL-I
GSL-II
RCA(Vector)
vLRB.aGP
MAA
TJ-I(EY Lab)
GNA(EY Lab)
LPA
hJAA-E1-B11
DSA
MAA(Seikagaku)
AfcGNA
LBL-I-B2
LBL-I-Ca
nV VLP-Ca
Nal
MGnA-B6
ME7(detected with a-HUD)
WT-SOX
ME5(detected with a-HUD)
DC-ASGPR-SOB
Mouse NKR-P1C
SBL
BOL
WGA(Seikagaku Bio)
TbFBL2
VSA
GAC
GAC78
Anti-LeC
WGA multimer

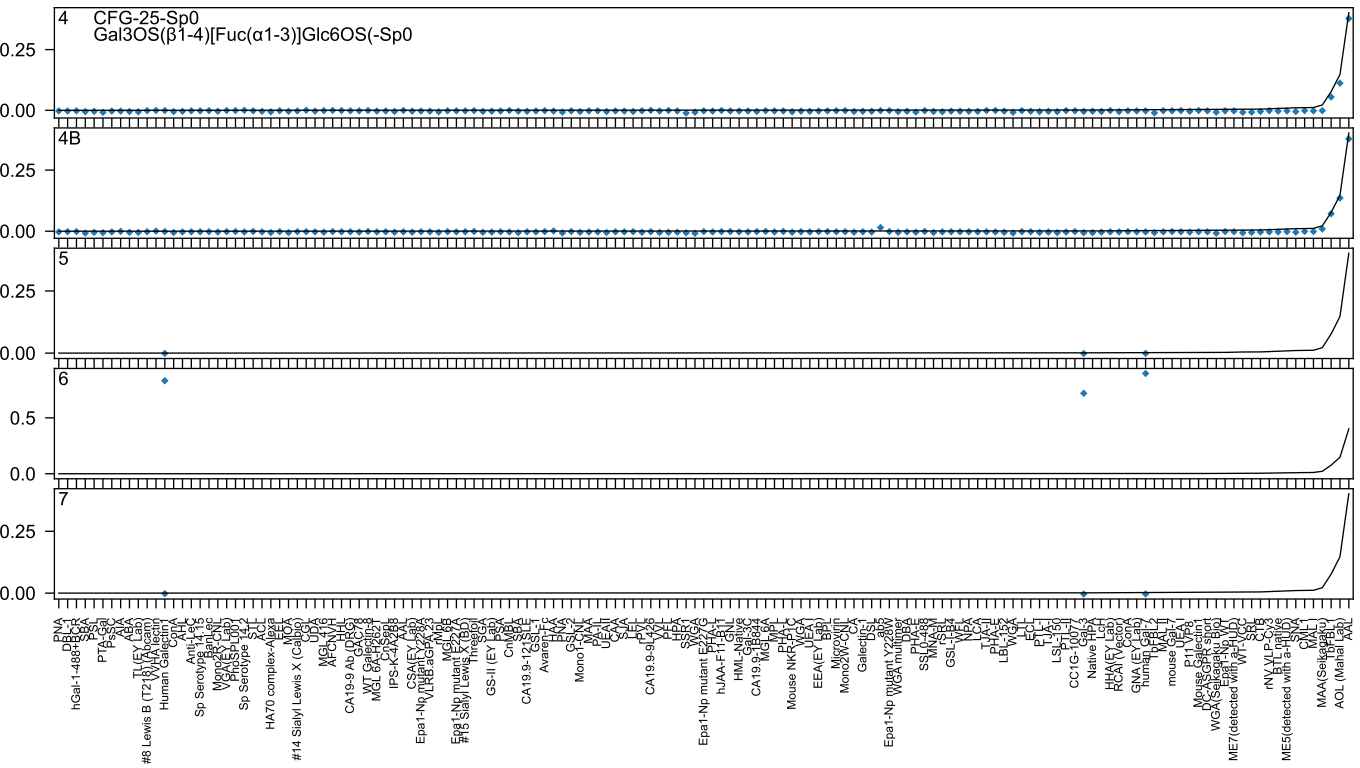

4
CFG-21-Sp8
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SVA
UEA1
UEA1
TL(EY Lab)
MGL 476
GAL3
GAL3
TBP-2
PTL-II
PTA-Lab
PHA-E
MSL
PHA-E
MAA
SSA1
SBA
SNA
PHA
MNA
ABA
abs
Microvirin
NPL(EY Lab)
PSA-4A288
CA19.9-9A248
CA19.9-1116-99
ME7(detected with a HUD)
CA19.9-1116-15
#8 Lewis B (T218) (Abram)
CA19.9-1116-15
CA19.9-1116-15
CA19.9-1116-15

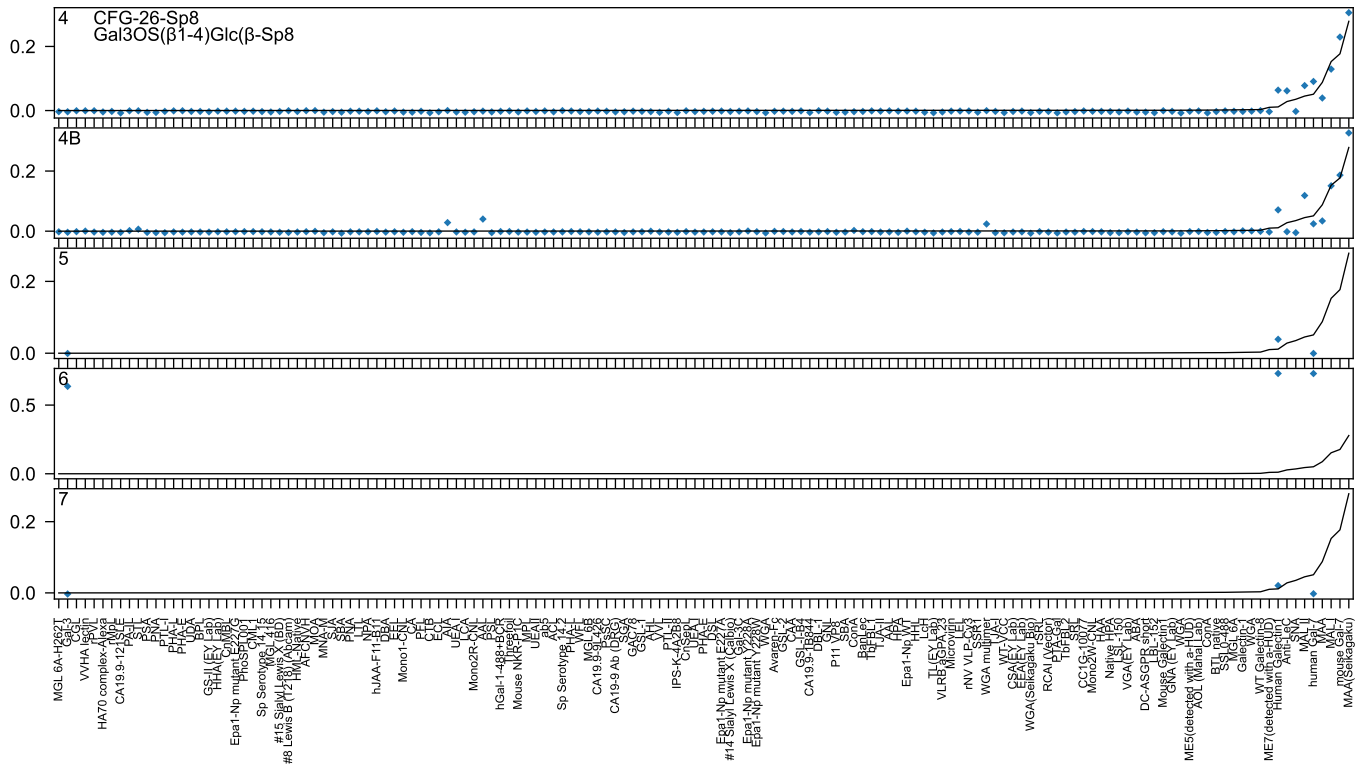

4
CFG-21-Sp14
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)]GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
GSL-I-B4
HPA
PNA
ACA
GS-II (EY Lab)
WGA
MAA(Seikagaku)
PHA-E
MAA(II)
PSL
IPS-K-4A288
SBA
TJA-I
CA19-9 Ab (DRG)
ME5(detected with a-LUD)
CA19.9-9-4228
WGA
PTA-Gal
HMA-Native
#14 Sialyl Lewis X (Calbiochem)
PNA
SBA
Thrombospondin
ACL
Mono1-CNA
WGA
WGA multimer
AAL
VGA(EY Lab)
Mouse Galectin-1
CA
PHA-L
CNA
CAA
CC001
PhoSP
GNA
MEY Lab)
Mouse NK1 (BD)
#15 Sialyl Lewis X (BD)
VLRB.aGPA 23
Sp Serotype 1 475
NEA
EEA(EY Lab)
WGA
AFG
CA19.9-1-2
SLE
PHA-E
DBL-1
HHA
Sp Serotype 14
CSA(EY Lab)
GNA
CGN
SNA
SSL0-488
GSL-I
hGal-1-488
LTA
UEAI
#8 Lewis B (T218) (A EY Lab)
HA70 complex-Cy3
PHA-L
Mono2-CCN
UEA-I
Tb-WGA
ANA-LectC
UEA
hJAA-F11-B11
MOR
CONA
ACA
MGL-1
LCH
PNA
WT Galectin-3
ABA
Epa1-Np mutant Y228A
Epa1-Np mutant 1-157
PHA-E
Epa1-Np mutant 1-160
AOL (Matahari Lab)
Epa1-Np mutant Y228A
Epa1-Np mutant 1-164
CA19.9-1-16844
rNVAgerF5
Epa1-Np mutant E227A
Mono2-VCCN
HHA(EY Lab)
GalA3
BPL
ME7(detected with a-LUD)
SSA
SSR1
Galectin-1
Native HPA
WGA(Seikagaku) Mp
LBL-152
WT-CTB
PT-CTB
MOR-PT3
SRL
PAL
MGL
Human Galectin-1
BTL native
human Gal-7
PVL
mouse Gal-7
DC-ASGPR short
Epa1-Np WT
VVHA ECL
CC1G-10077
Cnn-CVNH
RCAI (Vector)

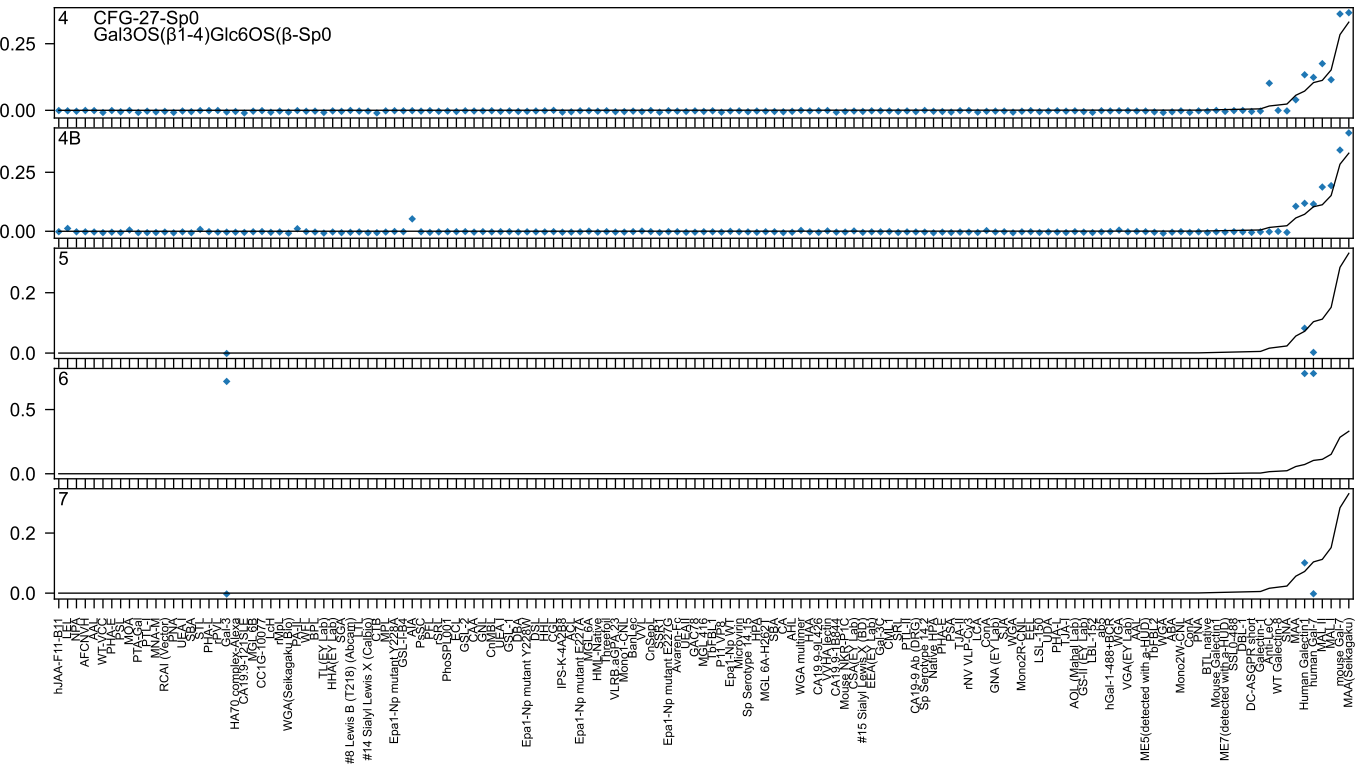

4
CFG-22-Sp8
GlcNAc(β1-6)[GlcNAc(β1-4)][GlcNAc(β1-3)]GlcNAc(-Sp8
4B
5
6
7
0.0
0.2
1
SNA
SNL
Mono2W-CNX
ABA
abs5
Microvirin
CA19.9-1B844
CA19.9-1B842
human Gal-3
Bap1-lec
WAI
SLA
PNA
VVL
TL(EY Lab)
DSA
LCA
PSA
SSA
SBA
GSII(EY Lab)
PEA(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
Epa1-Np mutant 2-2-NV
Epa1-Np mutant 2-2-NV
PhoSPLD01
WT Galectin-8
Galectin-1
Sp Serotype 14
WGA 416
hGal-1-488+BCA
hGal-1-488+BCA
SSLO-488
#14 Sialyl Lewis X (Calbiochem)
MOA
MNA
VGA(EY Lab)
UEA-I
SBA
SNA
PHA-L
VLRB.aGPA123
MGL 6A-H293A
Human Galectin1
Mouse Galectin1
CAA
AAL
GSL-I-B4
CSA(EY Lab)
LBA
ECL
GSL-I
PSA
PE-1
CTB
Mono2R-CNX
ACL
GNA
LCA
Thrombin
MAAA(Seikagaku)
PHA-E
PHA-L
PST
MAL
MAL-I
PTA-Gal
MAL II
UEA-I
PTL-I
NPA
mouse Gal-7
VGA
VGA
AFC(NOV)
AOL (Mabtech)
Epa1-Np mutant 2-2-NV
rNV VLP-C4
Sp Serotype 14-13
MGL
#15 Sialyl Lewis X (BD)
UEA-I
MGL
HMM-Galectin
Mono1-CNX
Epa1-Np mutant 2-2-NV
Epa1-Np mutant 2-2-NV
IPS-K-42-B8
CA19.9-1-2SL-E
Epa1-Np mutant E227A
WGA (Wheat)
VHA (Wheat)
WGA
hJAA-F1-B1
Anti-B1
DSL
Conva
BTL
BTL mutant
CCTG-10077
CCTG-10077
CA19-9 Ab (DRG)
HA70 complex-A-HAA
SRL
Mouse NKP-2-SJC
Ayapin-Eq
#8 Lewis B (T218) (Abcam)
MAL-VEC
WGA(Vector)
RCA(Vector)
WGA(Seikagaku)
SSA
SSB1
Native VPA
DC-ASGPR snot
Mouse VPA
MOA
WGA
MEZ(detected with a-HUD)
ME5(detected with a-HUD)
DBL1
DBL2
TcPBL2
WGA multiSP
GAC78

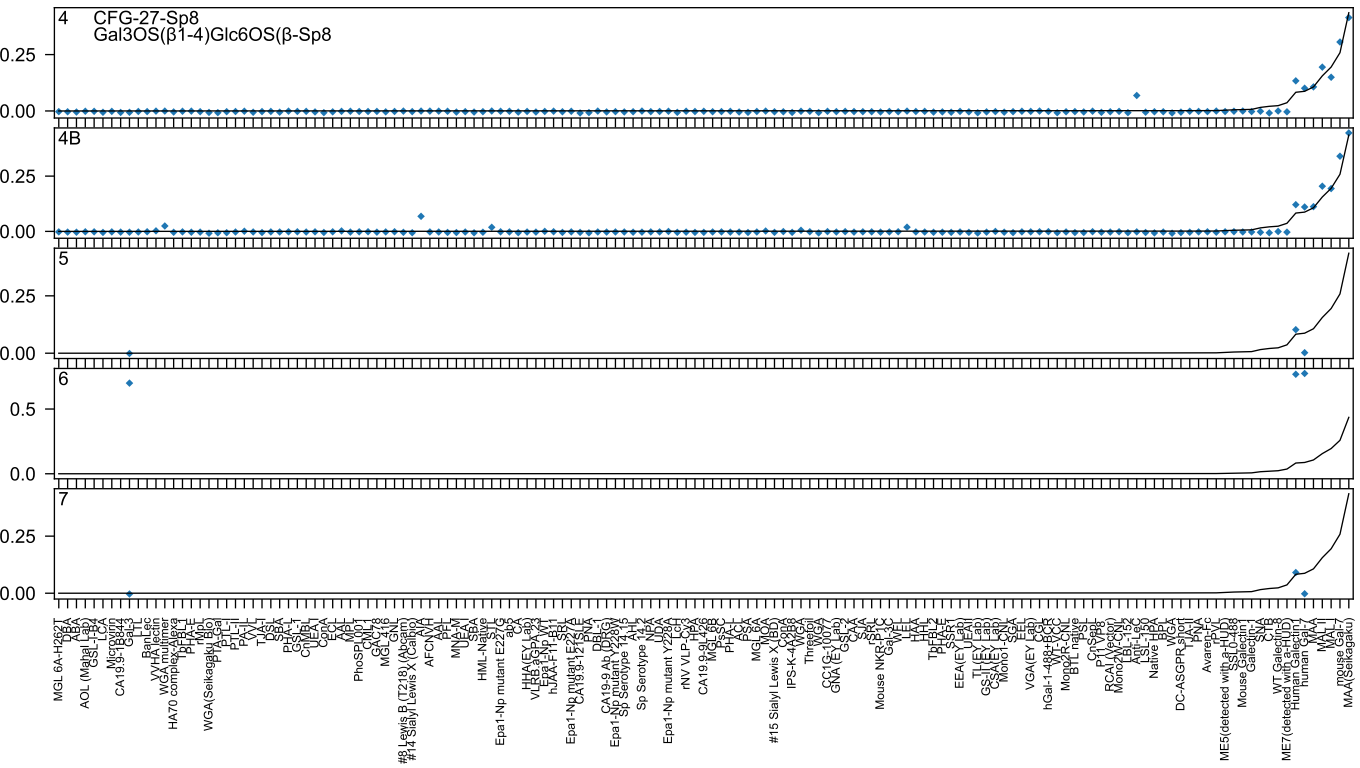

4
CFG-23-Sp0
Gal3,6OS2(β1-4)GlcNAc6OS(β-Sp0
4B
5
6
7
0.05
0.00
0.5
0.0
#8 Lewis B (T218) (Abcam)
Human Galectin-1
Mouse Galectin-1
#15 Sialyl Lewis b (BD)
Sp Serotype 14
Epa1-Np mutant Y218F
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant 2249V
Epa1-Np mutant E249A
MAA(Seikagaku)

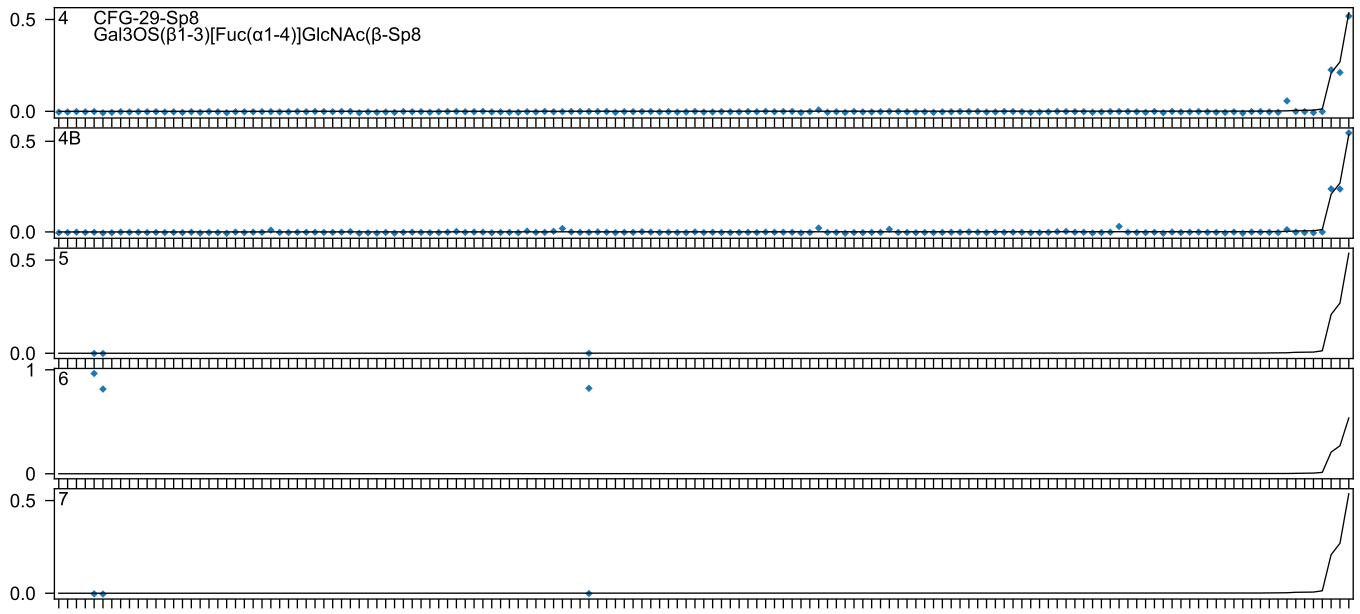

4
CFG-24-Sp0
Gal3,6OS2(β1-4)GlcNAc(β-Sp0
0.00
-0.01
4B
0.1
0.0
5
0.02
0.00
6
0.5
0.0
7
.025
.000
SNA
DBA
CC1G-10077
Tn(pol)
SSA
Sp Serotype 14-2
WGA(Seikagaku) (Bip)
Tn(BL)
TL(EY Lab)
SRL
Galectin-1
SBA
MNA
PNA
PTL-I
UDA
PTA
#14 Sialyl Lewis X (Calbiochem)
Gal-3
VGA(EY Lab)
UEA
SBA
SNA
PHA-L
VLRB aggr
APOA-23
OGL
RCA
AOL (Mahal Lab)
abs
#8 Lewis B (T218) (Abcam)
abs
PSG-K (A2238)
CA19-9 (18044)
mouse Gal-7
human Galectin-7
HMC Native
PHA-E
PHA-L
PSA
CAA
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
Mono1-2C8
AIA
Threspin
VCA
VCB
MPL
AAL
Mouse Galectin-1
Human Galectin-1
UEA
Cathepsin L
TEL
WGA
GSL-I-B4
AVIDIN-Fc
CsA(EY Lab)
PHA-P
PHA-E
MAA(Seikagaku)
MAA
MAL
MAL-I
MOA
NPA
HAA
CoSepa
Epa1-Np mutant E227G
Epa1-Np mutant E227G
MGL-68
MGL-1B
CA19-9 (4-428)
#15 Sialyl Lewis X (BD)
GSL-I (EY Lab)
WT Galectin-10
CAA
GNL
DSL
Gal-1
Sp Serotype 14-15
rNV VLP-A-1
rNV VLP
ConA
Banana
GAC78
MGL 6A-H2824
Mouse NKR-P1C
HA70 complex-Alexa
SSA
Epa1-Np WT
Epa1-Np WT
CA19-9 Ab (TORG)
WT
CBA
hGal-1-488+BCR
Human Galectin-1
VVL(Vector)
GNA (EY Lab)
GSL-2
PhoSL(001)
TJA-II
BTL
EEA(EY Lab)
EEA(EY Lab)
MAL(EY Lab)
Microvigin native (HUD)
hJAA-F11-B31
LSL-1-69
DBA
MGL-6A
PTL-I
VVA
WGA multimer
WGA
SSA-488
SNA
DC-ASGPR 9107
ME5(detected with a-HUD)
ME7(detected with a-HUD)

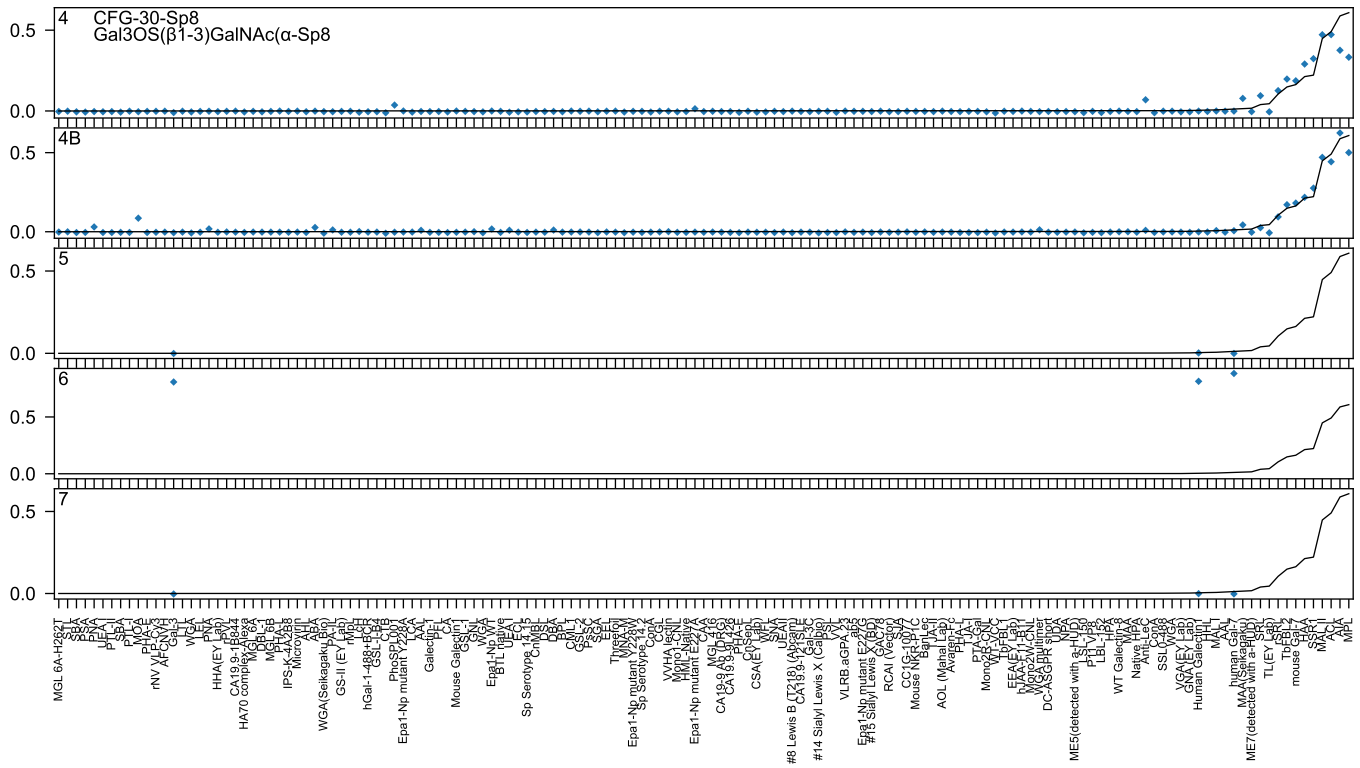

4
CFG-25-Sp0
Gal3OS(β1-4)[Fuc(α1-3)]Glc6OS(-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
PNA
DBA
UCA
hGal-1-488+BCR
PSA
PTA-Gal
PHA
AOA
LEA
TL(EY Lab)
#8 Lewis B (T21)(Abcam)
Human Galectin1
CpHA
Anti-LeC
Sp Serotype 14-15
Mono2R-CNI
Galectin-3
Sp Serotype 14-2
ACL
HA70 complex-Alexa
MOA
#14 Sialyl Lewis X (Calbiochem)
UDA
MGL-1(V)
AIA-(V)
CA19-9 Ab (DBL)
GAC-2
MGL Galectin3
Cnsera
IPS-K4-488
CSA(EY Lab)
Epa1-Np mutant E227A
VVA-biotin
MGL
Epa1-Np mutant E227A
#15 Sialyl Lewis X (TBD)
GS-II (EY Lab)
SGA
CnMBL
CA19.9-123SLE
GSLF
Avarem
HAA
GSL-I
Mono1-CNI
PAA
PAA
UEA1
SJA
SJA
PCL
CA19.9-L428
PCL
HPA
SBA
WGA
Epa1-Np mutant E227G
hJAA-F11-B11
HML-NGNB
CA19.9 Gal3G
MGL-GalNAc
MPL
PHA-L
Mouse NKR-P1C
UEA1
EEA(EY Lab)
Microgen
Mono2W-CNI
Galectin-1
DSL
Epa1-Np mutant Y228W
WGA multiple
PHA-E
SSA(MAH)
MAH
GSL-IV-B4
WFL
NCA
PNA
JAC-II
PNA
LBL-155
WGA
ECL
PHA-L
LSL-160
CC1G-10017
Native Gal3
HUA(EY Lab)
RCA-Cor4
GNA(EY Lab)
human Galectin7
hFBL2
mouse Gal-7
P11
UEA
Mouse Galectin1
WGA(Sigma Epot)
Epa1-Np WT
ME7(detected with a-Epa1)
VVA-HG
SBA
rNV VLP-CV3
BTL multiple
ME5(detected with a-Epa1)
SNA
MAL-I
MAA(Seikagaku)
AOL (Mahal Lab)
AAL

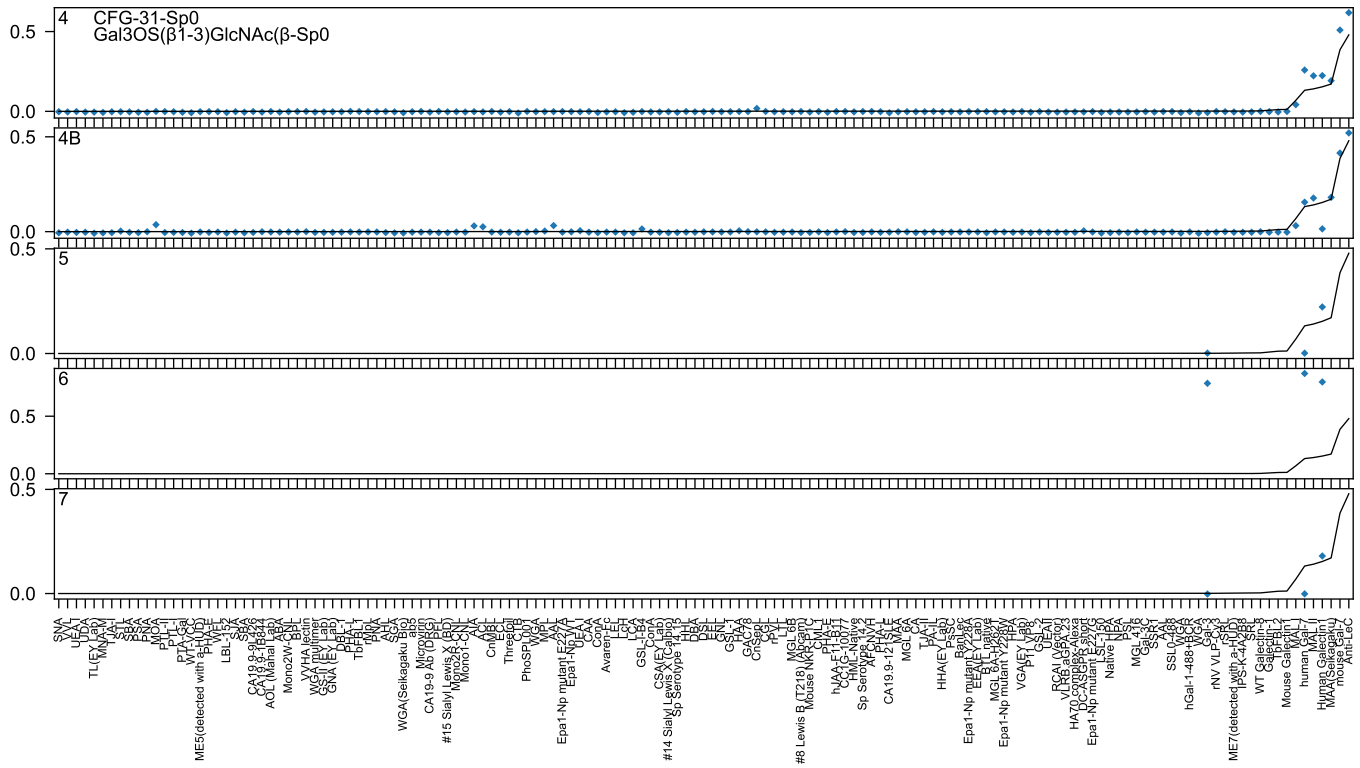

4
CFG-26-Sp8
Gal3OS(β1-4)Glc(β-Sp8
4B
5
6
7
0.0
0.2
0.5
MGL 6A-Hex
Lac-3
CGL
VVHA
PSVII
HA70 complex-Alexa
CA19.9-12
PSTI
BSA
PNA
PHA-L
PHA-E
UDA
BP
GSII(EY Lab)
HHA(EY Lab)
Epa1-Np mutant Y228G
PhoSPLD1
Sp Serotype 14
WGA 416
#15 Sialyl Lewis X
#8 Lewis B (Y1-218)(Abcam)
HMC-CRIVS
AC-CRIVS
MOA
MMSA
SNA
SBA
LCA
LTA
hJAA-F11
NPA
DBA
Mono1-CSF
PA
CTB
EOL
UEA1
Mono2R-CXA
AAL
hGal-1-488+DSR
Mouse NKR-P1
MPL
UEA1
ACL
Sp Serotype 14
HAA
WFL
CA19.9-488
MGL-488
CA19.9-Ab (BioSS)
SSA
GSL-I B4
GNL
PTL
IPS-K-A2B8
CD4(EY Lab)
PHA-E
Epa1-Np mutant E227A
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant Y228A
Epa1-Np mutant Y228G
WGA
Avaegrin-F
GSL-I
CAA
CA19.9-B644
DBL-1
P11
VP8
SBA
Con A
Banlec
TuBCL1
TKA
APA
Epa1-Np WT
HHL
TL(EY Lab)
VLRB (GPA 23)
Microvillin
LEL
nNV VLP-SA1
WGA multimer
WT-VCC
CAA(EY Lab)
WGA(Seikagaku Biol)
SSL
RCA (Vector Lab)
PTA-Gal
ToxB
CC15
Mono2W-1007
HPA
Naliva HPA
VGA
VGA(EY Lab)
DC-ASGPR
ABA
Mouse LBL-162
GNA (EY Lab)
ME5(detected with a-HUD)
AOL (Makai Lab)
BTL
Coma
SSL-488
Galectin-8
WT Galectin
ME7(detected with a-HUD)
Human Galectin
Ann V
SNA
MGL-1
human MGL
MAA
mouse Gal-7
MAA(Seikagaku)

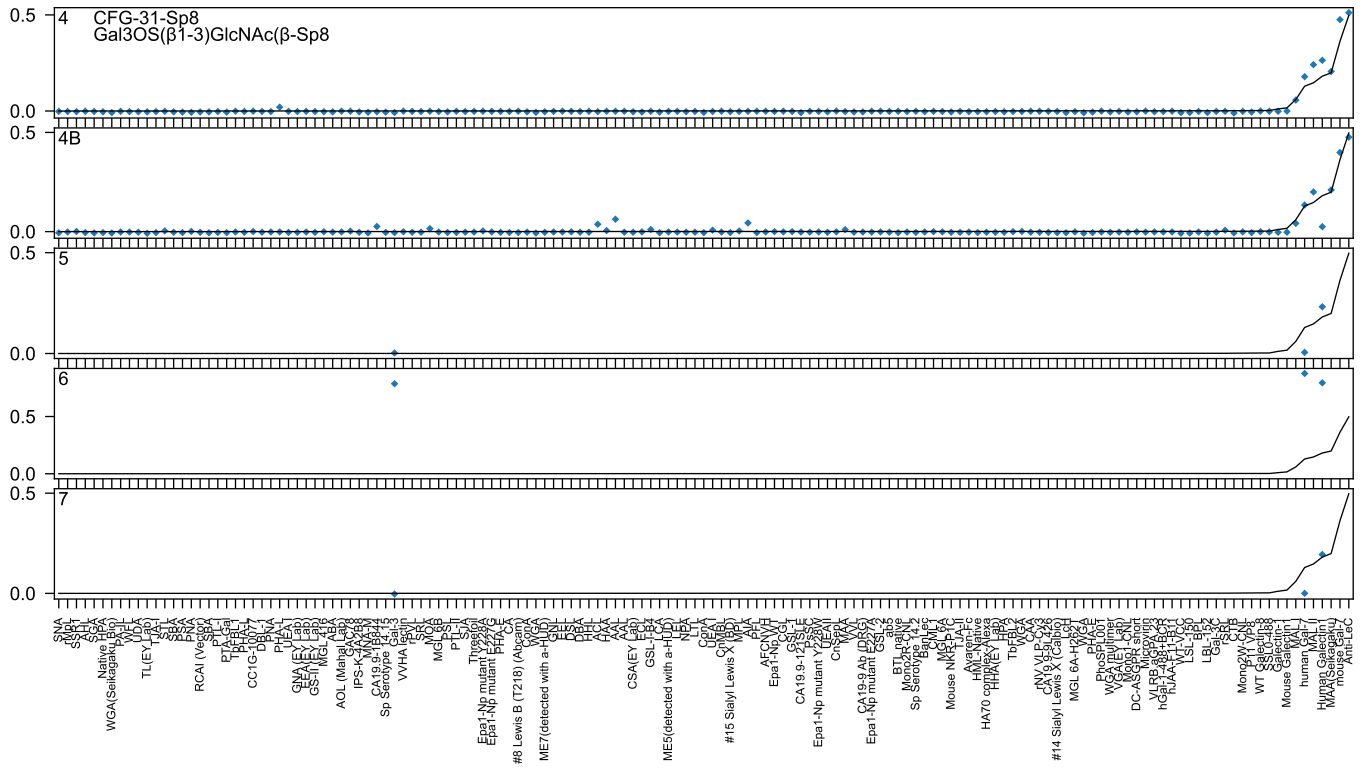

4
CFG-27-Sp0
Gal3OS(β1-4)Glc6OS(β-Sp0
4B
5
6
7
0.25
0.2
0.5
0.0
hJAA-F11-B11
NPA
AFCA
AAA
WFL-CCE
PHA-E
PSL
MOA
PTA-L
BPL-L
MAA-M
PNA
RCA I (Vector)
UEA
SBA
PHA-L
BS-I
PVL
Galectin-3
HA70 complex-A/H3
CA19-9-T2SLE
CC1(GP100-02)
rIgG
rIgM
WGA(Seikagaku)
BPL(Bio)
PWM
WFL
BF
SGA
TL(EY Lab)
HHA(EY Lab)
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
MPL
Epa1-Np mutant Y228A
GSL-I-B4
AAL
PSA
PEL
PhoSPL(Sigma)
LCA
GS-I-A4
GNL
ConA
ULA-1
GSL-I
Epa1-Np mutant Y228W
PSL
DSL
CGL
IPS-K-4A-288
Epa1-Np mutant E227A
Epa1-Np mutant E227G
HWL(Native)
VLRB aggregin
Mongo1-ONL
BanLec
ChSeA
Epa1-Np mutant E227C
AvaE
GAL7
MGL-816
P11-VPA
Epa1-Np WT
Sp Serotype 14-PS
MGL 6A-H262
SBA
AHL
WGA multimer
CA19-9-L426
CA19-9-L8341
CA19-9-L8341
Mouse NK6-PTC
#15 Sialyl Lewis X (BD)
EEA(EY Lab)
CML1
SPL
CA19-9 Ab (DRG)
Sp Serotype 14-PS
Native HPA
PTA-E
TJA-I
nNV VLP
LCA
ConA
GNA (EY Lab)
WGA
Mono2R
EEL
LSL-LEX
PHA-L
AOL(Malpa Lab)
GS-II(EY Lab)
LBL-aGS
hGal-1-488+BCR
VGA(EY Lab)
ME5(detected with a-hUD)
hPBL2
ABA
Mono2W
CNL
PNA
BTL(Native)
Mouse Galectin-1
ME7(detected with a-hUD)
SSL-I
DSL-I
DC-ASGPR short
Anti-LeC
WT Galectin-8
MAA
Human Galectin-1
human Galectin-7
VAL-II
mouse Gal-7
MAA(Seikagaku)

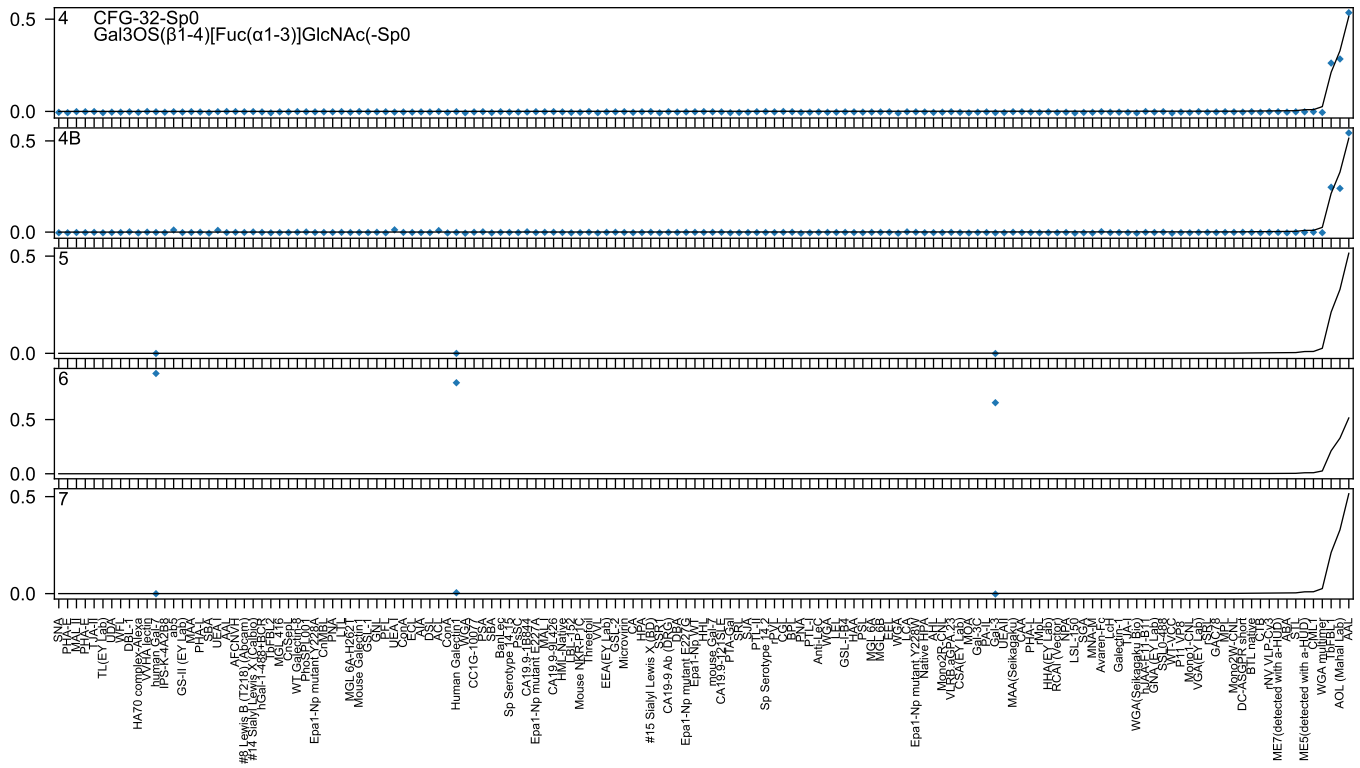

4
CFG-27-Sp8
Gal3OS(β1-4)Glc6OS(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
MGL 6A-H(Sigma)
ABA
ABA
AOL (Matsu Lab)
Gal1 Lab)
LCA
Microcin
CA19.9-18844
Gal-3
BanLec
VVA
WGA mutant
HA70 complex-Alexa
TPA
PTA-E
Man
WGA(Seikagaku)
PHA-Gal
PTL-I
PAL
TJA-I
TJA-II
DSL
PSA
PHA-L
GNA
GNL
UEA-I
CPA
CPA
ACA
ACA
PhoSPA 001
GNA
MGL 418
GNL
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
AFCN
VVA
ACA
ACA
MNA-M
UEA
HML-Native
Epa1-Np mutant E227/G
aDG
CA
HHA(EY Lab)
VLP-GII.4
EBA aggV
hJAA-F11-B11
Epa1-Np mutant E227/L
CA19.9-1218/LE
DBA
CA19.9 Ab (JPRG)
Epa1-Np mutant E227/G
Sp Serotype 14-15
Sp Serotype 14-15
AIA
Epa1-Np mutant Y228A
rNV VLP
HPA
CA19.9-1116
MGL 428
PSSC
PHAC
FSA
MGL
MOA
#15 Sialyl Lewis X (BD)
IPS-K-4A288
Thrombo
WGA
WGA
CC1G (EY Lab)
GNA (EY Lab)
GSL-X
SNA
SNA
Mouse NKR-P1C
Gal-1C
WFL
HAA
HAA
TBFB2
PSAET
PSAET
EEA(EY Lab)
TL(EY Lab)
GSL-I(EY Lab)
Galectin-1
WGA(EY Lab)
SGA
VGA(EY Lab)
hGal-1-488-EGFP
WT-CCC
MoBP native
BMP native
PSI
CrCVP8
P11-VP8
RCA (Vector)
Monoclonal
EBL-152
ASL-165
Native HPA
WGA
DC-ASGPR short
PNA
PNA
Avarep-Fc
ME5(detected with a-HUD)
Mouse Galectin-8
Galectin-1
STB
WT Galectin-3
ME7(detected with a-HUD)
Human Galectin-1
human Gal-1
MAA-I
MAL I
mouse Gal-7
MAA(Seikagaku)

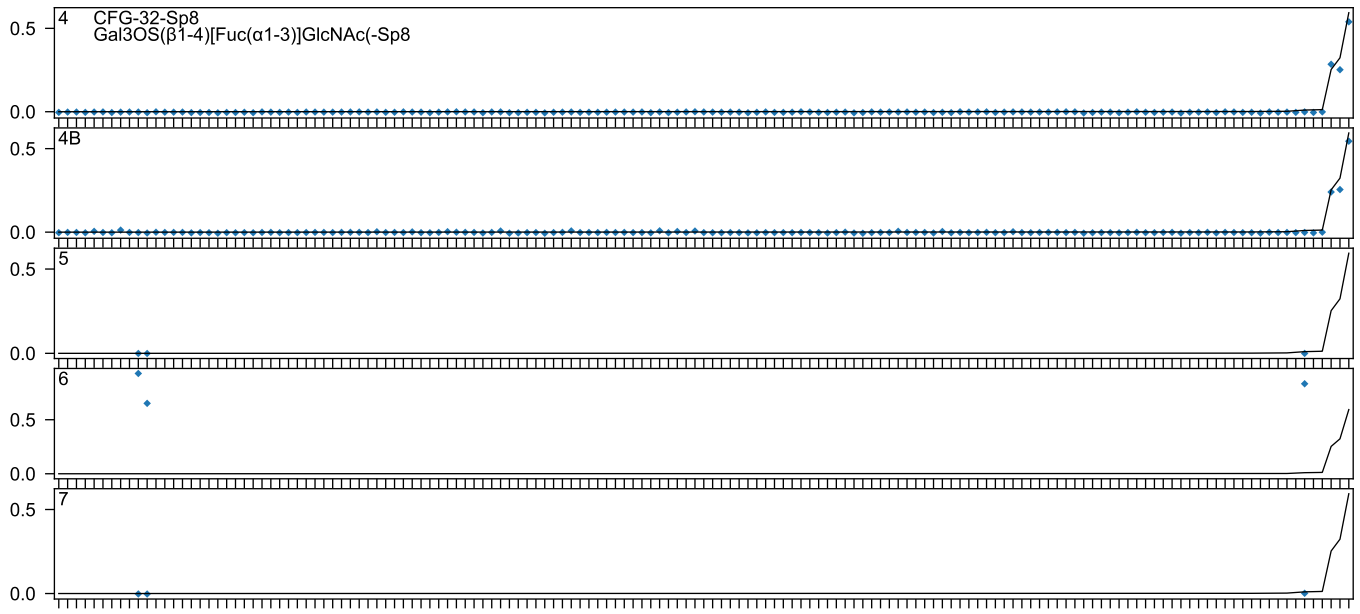

4
CFG-29-Sp8
Gal3OS(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SMA
XBA
ABG
ABC
IPS-K-44
human Gal-2
Gal-3
HA70 complex
DBL-4
Mono2
WGA
SGA
UEA II
UDA
TL(EY Lab)
PNA
PTL-I
WGA(Seikagaku)
BPL
GSL I (EY Lab)
EEA(EY Lab)
PhoSPLDD1
Galectin-1
Sp Serotype 14.2
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (Calbiochem)
ME5(detected with a-HUD)
WFL
WGA
MNA
SJA
PSA
BRA
PHA-L
GNA (EY Lab)
PHA-E
MAA(Seikagaku)
Galectin-3
Mouse Galectin1
Human Galectin-2
PHA-E
LCA
MAA
UEA
LEL
EC
CA19-9 Ab (CORG)
MGSA
PVA
Native HPA
CAA
MGL-4-7
mouse Gal-7
CCTG-10077
Microvilin
XVL
CA19.9-1B44
Sp Serotype 1.43
WGA
Epa1-Np mutant E225G
PSA
MGL 6A-H26
CA19.9-9.428
HAA(EY Lab)
CSA(EY Lab)
GNA
WFL
VLRB.aGV (EY Lab)
VGA(EY Lab)
Mouse NKR-P1C
rNV VLP-C48
Galectin-8
PNL
WGA
PSA
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E225G
PHA-L
CA19.9-Barnes
Epa1-Np mutant Y228W
RCAI (Vector)
ME7(detected with a-HUD)
VVHA (eqn)
Epa1-NP-B7
Epa1-Np mutant 268A
DC-ASGPR
LBL-182
LSL-250
LSL-488
SSD
Avare AHL
WGA multimer
AAL
UEA I
CTB
Gal-1
Tal-1
AOL (Mahal Lab)
AAL

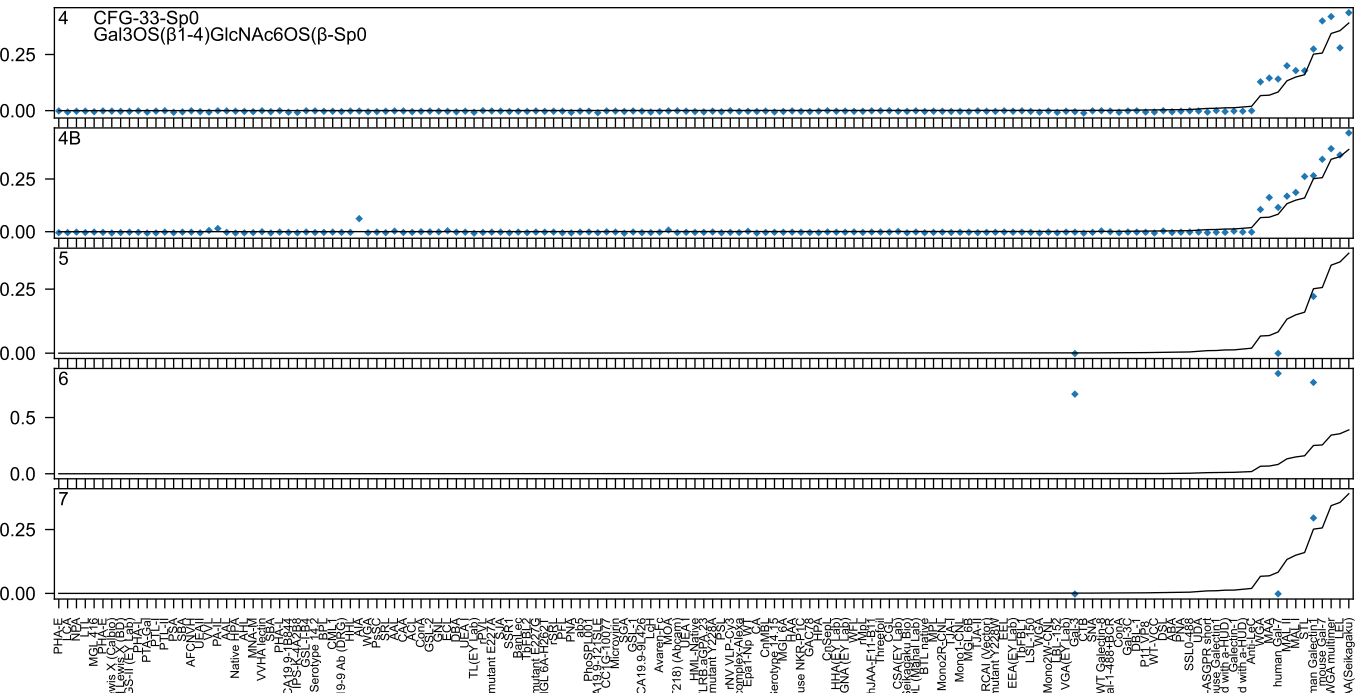

4
CFG-30-Sp8
Gal3OS(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
MGL 6A-H2627
SBA
SNA
PNA
UEA
PSA
RCA
PHA-E
PHA-L
rNV VP1
AFCONV3
Gal-3
WGA
PNA
HHA(EY Lab)
CA19.9-1B44
HA70 complex
Alexa
MGL 6B
DBL-1
MGL 6C
IPS-K-4A288
Microvillin
ABA
WGA(Seikagaku)
PNA
GS-II (EY Lab)
WGA
hGal-1-488-BG3
GSL-CTB
Epa1-Np mutant 2229A
LCA
Galectin-1
PE
Mouse Galectin1
GNL
WGA
Epa1-Np
B11 (Native)
UEA
Sp Serotype 14-15
CnMBL
DBA
PNA
CMBL
GSL-2
PSA
SGA
EET
Thrombin
NNA-W
Epa1-Np mutant 2234W
Sp serotype 2-CpsA
VVHA lectin
Mono-CNL
Epa1-Np mutant E2297A
MGL 6A
CAA
CA19.9 (DRG)
CA19.9-PHA-E
CSA(EY Lab)
CnSecl
WFL
UEA
LEN
#8 Lewis B (CT218) (Abcam)
CA19.9-GSL-2
#14 Sialyl Lewis X (Calbio)
VSL
VLRB.aGPA.23
Epa1-Np mutant E2296G
#15 Sialyl Lewis X (BIG)
RCAI (Vector)
CC1G-10A7
Mouse NK-B1-C
BanLec
AOL (Nanal Lab)
AleuPA
PHA-L
PTA
Mono2B-CNL
Tp-PBLY
EEA(EY Lab)
HHA(EY Lab)
Mono2W-CNL
DC-ASGPR trimer
OAA
ME5(detected with a-HUD)
PSL-VRB
LBL-162
HPA
WT Galectin-9
WAA
Native HPA
Ann-B-C
CcaA
SSL-CGB
WGA
VGA(EY Lab)
GNA(EY Lab)
Human Galectin1
MALL
AAL
MAA
human Galectin7
ME7(detected with a-HUD)
TL(EY Lab)
Tp-PBLR
mouse Galectin7
SSA
MALI
AIA
MPL

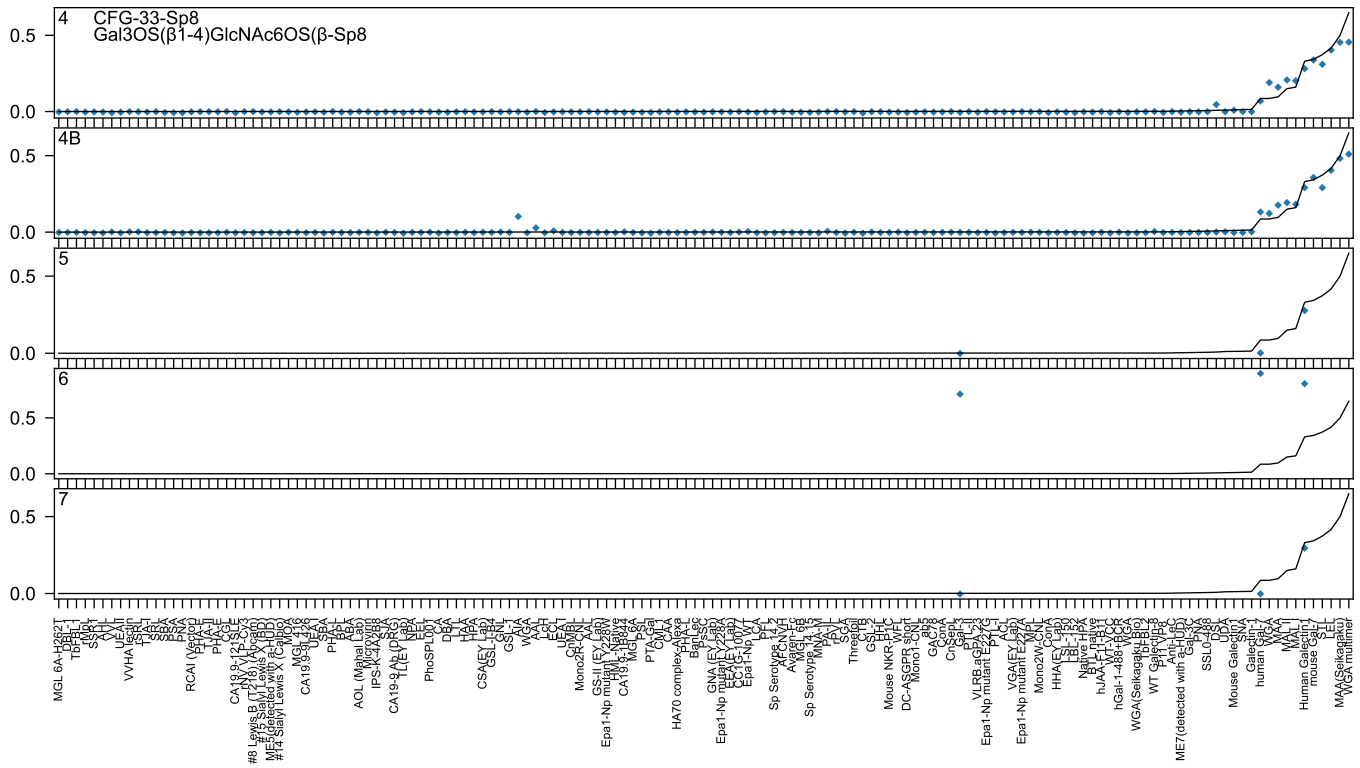

4
CFG-31-Sp0
Gal3OS(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SVA
SVA
UEA1
UEA1
TL(EY Lab)
MNA(EY Lab)
MNA(EY Lab)
SJA
SJA
BSA
BSA
PNA
PNA
PNA
PHA-L
PHA-L
PTA-L
PTA-L
WT1-Gal
WT1-Gal
HAD1
HAD1
WFE
WFE
LBL-1
LBL-1
SBA
SBA
CA19-9-9
CA19-9-9
CA19-9-18844
CA19-9-18844
AOL (Mahal Lab)
AOL (Mahal Lab)
Mono2W-CNL
Mono2W-CNL
Bou
VVHA lectin
WGA multimer
WGA multimer
GNA (EY Lab)
GNA (EY Lab)
DBL-1
DBL-1
TbFBL-1
TbFBL-1
PAA
PAA
AJL
AJL
WGA(Seikagaku Bio)
WGA(Seikagaku Bio)
aOS
aOS
Mpa
Mpa
CA19-9 Ab (PRIGI)
CA19-9 Ab (PRIGI)
#15 Sialyl Lewis X
#15 Sialyl Lewis X
BPL
BPL
Mono2R-CNL
Mono2R-CNL
Mono1-CNL
Mono1-CNL
AAL
AAL
ACL
ACL
CnuEC
CnuEC
MPL
MPL
Threspin
Threspin
PhoSPLD1
PhoSPLD1
WGA
WGA
AAL
AAL
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Epa1-Np mutant E227A
UEA1
UEA1
CorA
CorA
Avaren-Fc
Avaren-Fc
LCH
LCH
GSL-I-B4
GSL-I-B4
CSA(TCaleb)
CSA(TCaleb)
CorA
CorA
#14 Sialyl Lewis X(TCaleb)
#14 Sialyl Lewis X(TCaleb)
Sp Serotype 14-15
Sp Serotype 14-15
HPA
HPA
DBA
DBA
PSL
PSL
GNL
GNL
GSL-I-A4
GSL-I-A4
GAC78
GAC78
CnuEC
CnuEC
PSL
PSL
rPVL
rPVL
#8 Lewis B (T218)
#8 Lewis B (T218)
MGL-6B
MGL-6B
Mouse NK-Fc-Fc
Mouse NK-Fc-Fc
CML1
CML1
hUAA-E11-B-T
hUAA-E11-B-T
CAC-N0077
CAC-N0077
Sp Serotype 14-23
Sp Serotype 14-23
AF-PNA1
AF-PNA1
CA19-9-121
CA19-9-121
SLE
SLE
MGL-6A
MGL-6A
CA
CA
TAL1
TAL1
HHA(EY Lab)
HHA(EY Lab)
Bou
Bou
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
BTL
BTL
MGL-6C
MGL-6C
Epa1-Np mutant S229A
Epa1-Np mutant S229A
VGA(EY Lab)
VGA(EY Lab)
HPA
HPA
PT1
PT1
VRA
VRA
GEA-2
GEA-2
RCA I (Vector)
RCA I (Vector)
VRA (Lectin Tech)
VRA (Lectin Tech)
HA70 (Alexis)
HA70 (Alexis)
DC-ASGPR spot
DC-ASGPR spot
Epa1-Np mutant S229A
Epa1-Np mutant S229A
Native HPA
Native HPA
HPA
HPA
PSL
PSL
MGL-4-1C
MGL-4-1C
SSA1
SSA1
SSL0-488
SSL0-488
VGA
VGA
hGal-1-488
hGal-1-488
WGA
WGA
rNV VLP-Sp-3
rNV VLP-Sp-3
SRL
SRL
ME7(detected with Ab (Alexis))
ME7(detected with Ab (Alexis))
ME5(detected with Ab (Alexis))
ME5(detected with Ab (Alexis))
SRL
SRL
WT Galectin-1
WT Galectin-1
Galectin-3
Galectin-3
Mouse Galectin-1
Mouse Galectin-1
TbFBL-2
TbFBL-2
MAL1
MAL1
human Galectin-1
human Galectin-1
Human Galectin-1
Human Galectin-1
MAgalectin-4
MAgalectin-4
mouse Gal-4
mouse Gal-4
Anti-LeC

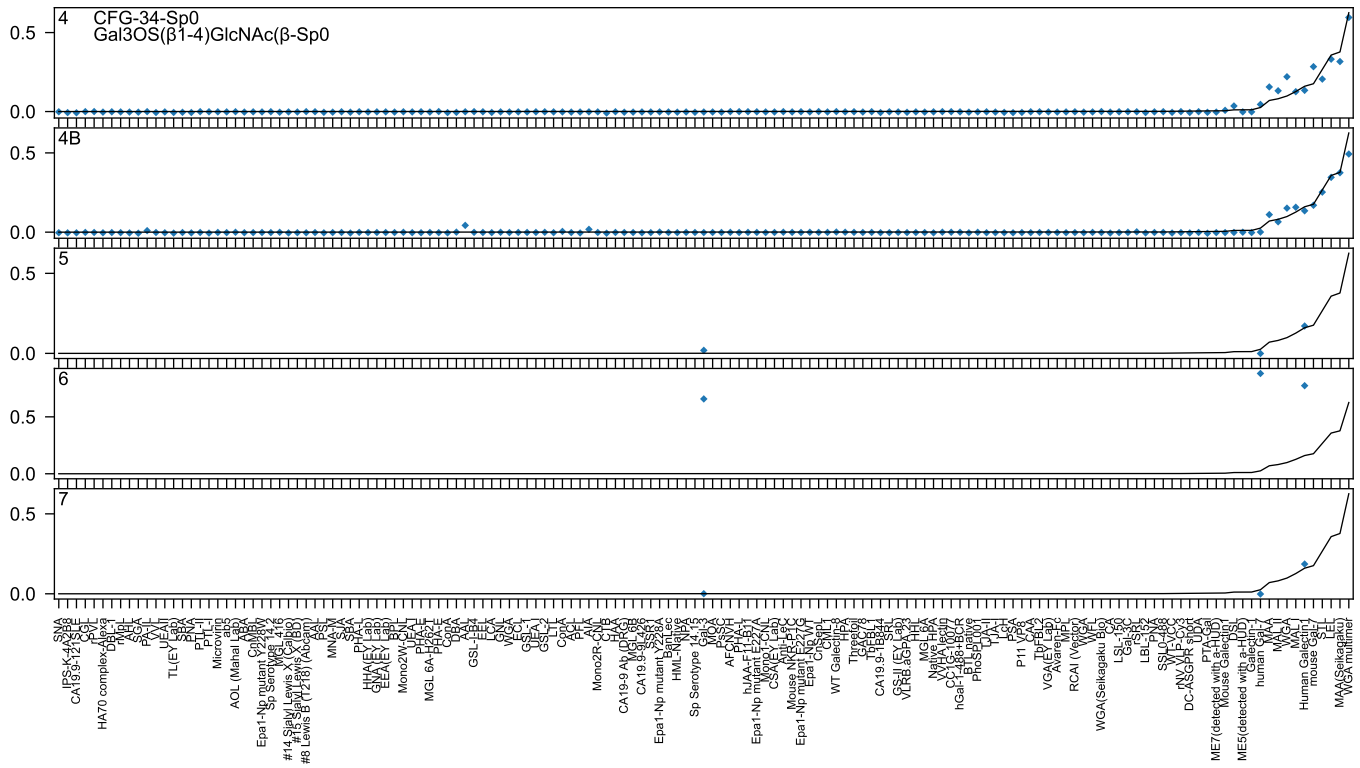

4
CFG-31-Sp8
Gal3OS(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
DSA
SSA
SGA
Native HPA
WGA(Seikagaku)
ACL
VICA
TL(EY Lab)
UEA1
SBA
PNA
RCA
RCAI (Vector)
PTL-I
PTL-II(Bait)
PHA-L
CC1G
DBA
DBA(T)
PNA
VEA1
GNA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
MGL
ABA
AOL (Malta Lab)
IPS-K-42/88
CA19.9(MBAA)
Sp Serotype 14.15
Gal-3
VVHA
PSL
NGA
MGP-BB
PT-I
PT-II
SJA
Thy-1
Epa1-Np mutant Y228A
Epa1-Np mutant F224A
CA
#8 Lewis B (T218) (Abcam)
ConA
WGA
ME7(detected with a-HUD)
GNL
EEL
DBA
ACL
AAL
CSA(EY Lab)
GSL-I B4
ME5(detected with a-HUD)
NEL
LTA
CgA
CgA(A)
CD68
#15 Sialyl Lewis X (Kato)
AIA
AFCNVH
Epa1-Np-001
GSL-1
CA19.9-1-2SSE
Epa1-Np mutant Y228W
CrSPA
CgA(N)
NGA
CA19-9 Ab (DRG)
Epa1-Np mutant E221A
abs
BTL
Mon2W-CNB
Sp Serotype 14.2
BanLec
Mouse NKG2D
MGP-PA
LaA
Avelumab
HA70 conjugate-Alexa
HHA(EY Lab)
HPA
TpF-L2
CAA
CNV V-B-203
CNV V-B-208
#14 Sialyl Lewis X (Calbiochem)
MGL 6A-H2821
WGA
PhoSPL00T
WGA (Polymer)
Mono1-CNB
DC-ASGPR short
VLRB.aGPA.23
hCD4-B11-B17
hIAA-B11-B17
WT-VEGF
LSL-1
BPL
Lac-1-32
Gnl-1
PSA
Mon2W-CNB
B11 VP8
WT SEA-VP8
SSL8-488
Mouse Galectin-1
MAL1
human Vaf r
Human Galectin1
MAA(Sigma)
Mouse Gal-4
Anti-LeC

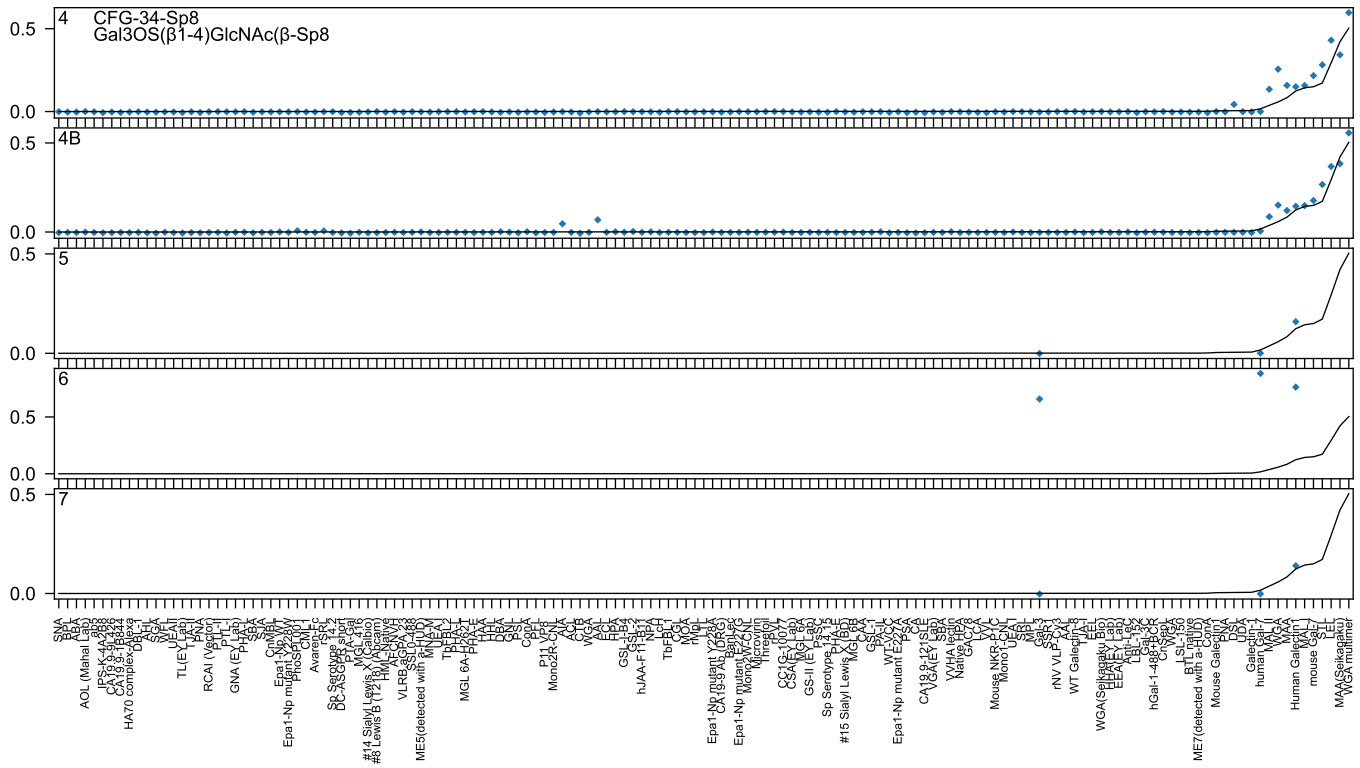

4
CFG-32-Sp0
Gal3OS(β1-4)[Fuc(α1-3)]GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
SNA
PNA
MAL II
PHA-E
PHA-L
TL(EY Lab)
WFL
DSL
Dolic-1
HA70 complex
VVHA
VVHA specific
IPS-PR4 X2B6
abs
GS-II (EY Lab)
MAA
PHA-P
PHA-L
UEA-I
AFCVH
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Abcam)
Human Galectin-8
MGL 6A-H2-1
Mouse Galectin1
GSL-I
BPL
UEA-I
ECL
DSA
ACL
Human Galectin1
CC1G-10074
BSA
Bap1
Sp Serotype 14-35
CA19.9-16834
Epa1-Np mutant E2017
CA19.9-9426
HMGB1
Mouse NR-P7C
Thrombin
EEA(EY Lab)
GS-II
Microvirin
HPA
#15 Sialyl Lewis X (BD)
CA19-9 Ab (DSRC)
Epa1-Np mutant E2016
Epa1-Np (CVR)
mouse Gal-7
CA19.9-2
PSL-E
PTA-RA
SJA
SUA
Sp Serotype 14-1
PNA
BPL
PHA-P
Anti-LeX
VVA
UEA
GSL-I-B4
PSA
MGL 6B
MGL 6A
EEL
WGA
Epa1-Np mutant Y228A
Native ATL
Mono2B-Ch1
VVA(EY Lab)
CSA(EY Lab)
MGL
Gal-1
PA-IL
UEA-I
MAA(Seikagaku)
PHA-L
PHA-E
HHA(EY Lab)
RCA(Vector)
LSL-150
MNSGA
Avarer-Fc
UCH
Galectin-1
WGA(Seikagaku)
HA-1
GNA(EY Lab)
SVA-V88
P11-V88
VGA(EY Lab)
GSL-I-B4
Mono2W
MPL
DC-ASGPR short
BTL native
rNV VLP-CV3
ME7(detected with a-FMD)
STL
ME5(detected with a-FMD)
WGA multimer
AOL (Mahal Lab)
AAL

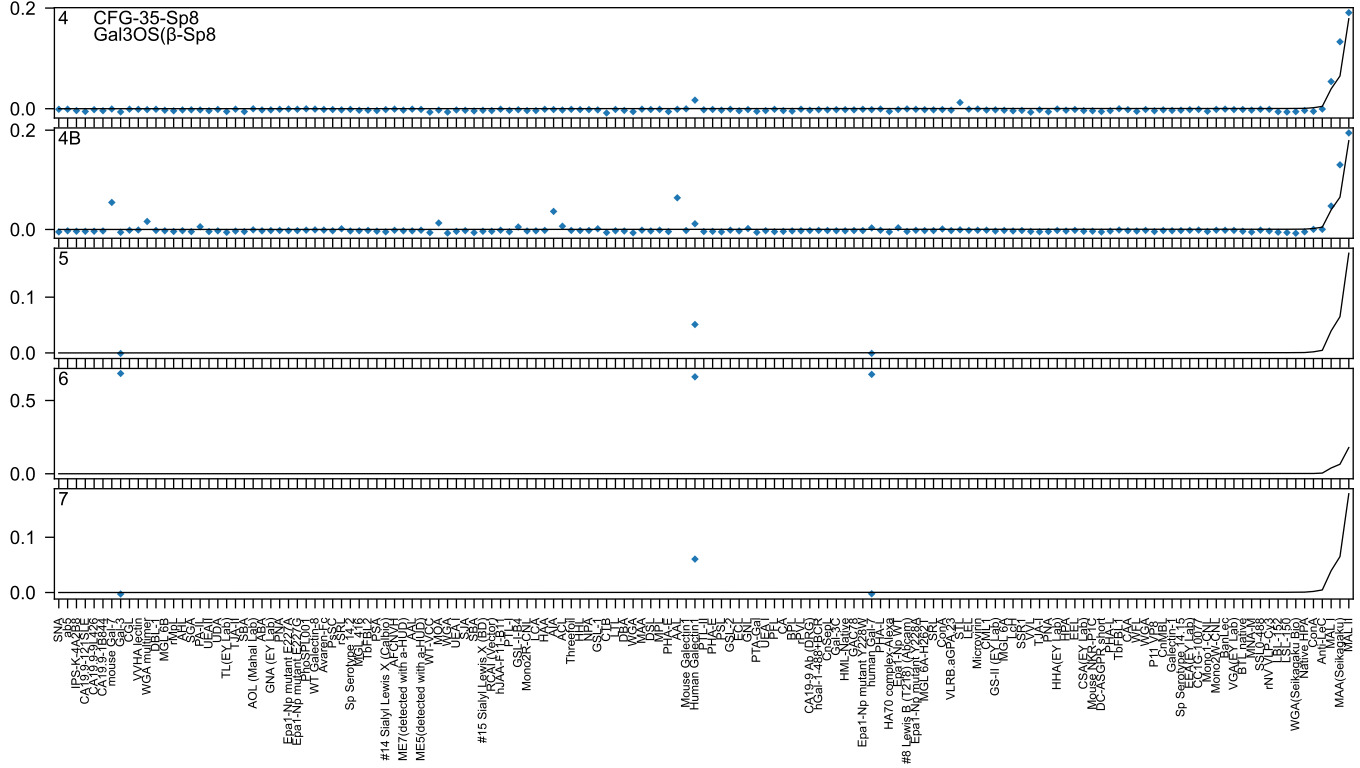

4
CFG-32-Sp8
Gal3OS(β1-4)[Fuc(α1-3)]GlcNAc(-Sp8
4B
5
6
7
0.5
0.0
SIA
SIA
CNL
ABS
ABS
Mono2W-CNL
Mono2W-CNL
ABS
ABS
Microvillin
IPS-1-18844
CA19.9-18844
mouse Gal-7
human Gal-7
Gal-3
VVA
VVA
Man-6
Man-6
DBL-7
CC1G-1-100
NGF
ASA
WGA(Seikagaku, Bip)
UEA1
UDA
TL(EY Lab)
PHA-L
PHA-L
PNA
PNA
SNA
Control
Epa1-Np WT
Epa1-Np mutant E226A
Epa1-Np mutant Y228W
Epa1-Np mutant S228W
CA19-9 Ab (DRG)
Agrocepe
Galectin-1
Sp1
Sp Serotype 14
BYL-naive
MGFB-12
MGFB-12
#14 Sialy(hGal-1 488-BCS
#15 Sialy(hGal-1 X-(BD)
ME7(detected with Mr 9-HUO)
VGA(EY Lab)
VGA
SBA
SBA
MGL 6A-H2829
VGA
VGA
LEL
LEL
PSA
PSA
NPA
NPA
WGA
WGA
ECA
ECA
CorA
CorA
MAL-I
MAL-I
MAA
MAA
CorA
CorA
PHA-E
PHA-E
MEA
MEA
ACL
ACL
PHA-E
PHA-E
PSL
PSL
PHA-L
PHA-L
PTA-Gal
PTA-Gal
PTL-I
PTL-I
RCA(Vector)
RCA(Vector)
Monoz-K
Monoz-K
DSL
DSL
Mouse Galectin
#8 Lewis B(Y2419) (Calbiochem)
Gal-3C
Gal-3C
MPA
MPA
GSL-I-B4
GSL-I-B4
PNA
PNA
Epa1-Np mutant E226A
Epa1-Np mutant E226A
CA19.9-12-BCS
CA19.9-12-BCS
Sp Serotype 14-15
Sp Serotype 14-15
HA70 complex-Alexa
HA70 complex-Alexa
Mono1-CGL
Mono1-CGL
CGL
CGL
PHL
PHL
WT Galectin-8
Mouse NRG1
CA19.9-91-426
CA19.9-91-426
GAC
GAC
VLRB.aGP-51
LTL
LTL
AFG-OVH
CSA(EY Lab)
CSA(EY Lab)
GSL-I
GSL-I
HHA(E Lab)
HHA(E Lab)
HM-Naive
HM-Naive
Natrinetelpa
Natrinetelpa
CA
CA
EEA(EY Lab)
ME5(detected with Mr 9-HUO)
GNA(EY Lab)
GSL-II(EY Lab)
GSL-II(EY Lab)
MAA(Seikagaku)
MAA(Seikagaku)
hJAA-P11-831
hJAA-P11-831
SGL
SGL
P-11
P-11
VCS
VCS
SSL0-468
SSL0-468
DC-ASGPR sugar
DC-ASGPR sugar
LCA
LCA
WGA multimer
WGA multimer
Human Galectin-8
Human Galectin-8
CNL
CNL
AOL (Matreya)
AOL (Matreya)
AAL
AAL

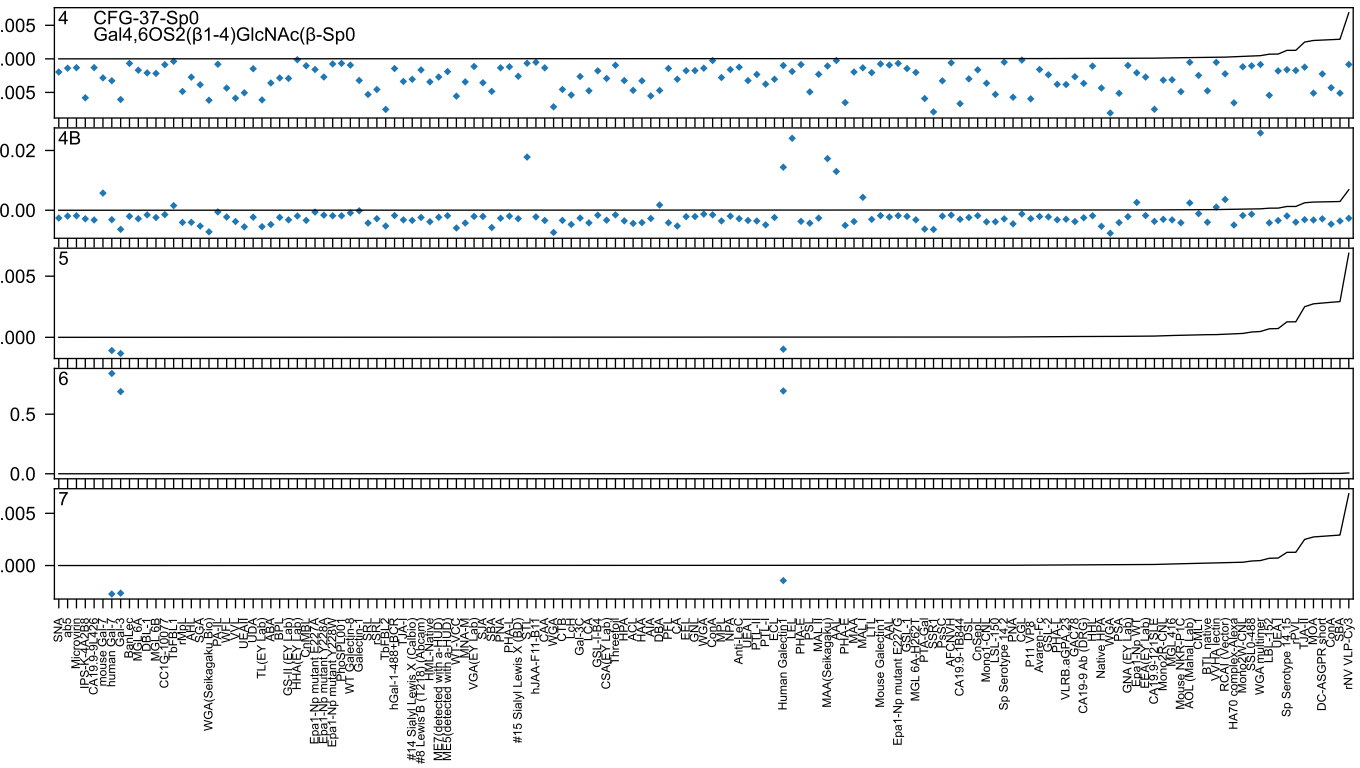

4
CFG-33-Sp0
Gal3OS(β1-4)GlcNAc6OS(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
PHA-E
PHA-L
NPA
ACA
MGL_416
Chitin
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (Lab)
GS-II (E-Lab)
PTA-Gal
PTL-I
ESA
SNA
AFCNM
UEA-I
PAA
PA-IL
Native ABA
MPA
ALA
MAL-II
VVHA lectin
SBA
PNA
CA19-9-18844
IPS-Gal-A288
Gal-1-A288
Sp Serotype 14-2
BPL
CA19-9 Ab (DRG)
CRA
AIA
WGA
PWM
SRL
CAA
ACL
GSII-2
GNL
DBA
UEA
TL(EY Lab)
PVL
Epa1-Np mutant E262A
SSA
SSR1
TJA-II
BEHP2
Epa1-Np mutant E262G
MGL GA-Fr
SSB
PNA
PhoSL 805
PhoSL 806
CA19-9-21SCE
CC-1(G-10077
Microscopia
SGA
CA19.9-SCI-2
LCA
Avarol
MOA
#8 Lewis B (T218) (Abcam)
HML-Native
VVL-B-A-22-A3
Epa1-Np mutant D-A3
rNVL-A-A3
HA70 complex
Epa1-Np WT
CnMB
Sp Serotype 14-13
MGL-1-A
HAA
Mouse NKG2D
CTB
HPA
EVA (Lab)
HHA (EY Lab)
GNA (EY Lab)
Mpl
hJAA-Fr-Bpl
CGL
CSA(EY Lab)
WGA(Seikagaku Lab)
AOL (Nakal Lab)
BTL
Mono2R-CNL
Mono1-CNL
MGL-CB
RCAI (Vector)
Epa1-Np mutant V2-EEV
EEA(EY Lab)
LSL-155
Mono2W-VGA
VGA(EY Lab)-182
VGA(EY Lab)
STB
WT Galectin-3
hGal-1-488-BCR
Gal-3C
DBA
P1-YGC
WT-YGC
ABA
PWA
SSLO
UDA
DC-ASGPR short
Mouse Galectin-9
MET7(detected with a-HUD)
MET5(detected with a-HUD)
Amitucek
MAA
human Gal-7
MAL
Human Galectin-1
Mouse Gal7
WGA mutant
MAA(Seikagaku)

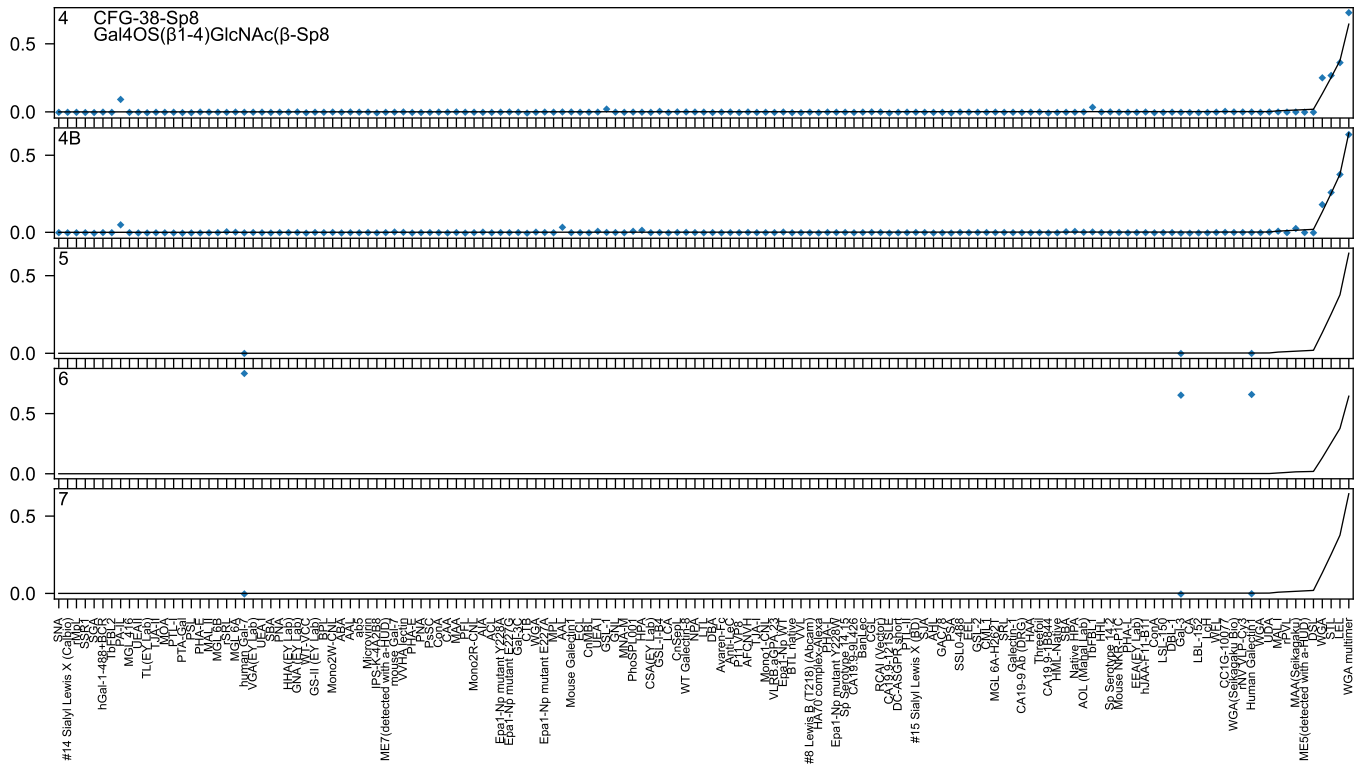

4
CFG-33-Sp8
Gal3OS(β1-4)GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
MGL 6A-H082-1
TcBL-1
TcBL-2
SSA(1)
SSA(2)
UEA-II
VVHA (Isolectin 1)
TJA-I
SBA
PNA
PSA
RCA I (Vector)
PHA-E
PHA-L
CA19-9-12-SCE
CA19-9-12-CY3
#8 Lewis B (Y-Lab)
#15 Sialyl Lewis X (Y-Lab)
#14 Sialyl Lewis X (Y-Lab)
ME5(detected with a2-HUD)
UEA-I
PNA
PSA
BPL
AOL (Mahal Lab)
IPS (KZXW88)
CA19-9-1A (PTG)
TL(EY Lab)
NPA
PhoSPL001
DBA
LTA
HPA
CSA(EY Lab)
GSL-I-B4
GSL-I-A4
wGA
AAL
ECL
UDA
GNA
Mono2R-CNL
GS-II (EY Lab)
Epa1-Np mutant Y228W
CA19-9-18943
MGL-6A
PTA-Gal
CALA
HA70 complex-Alexa
Bap1-Lec
Bap1-Fc
GNA (EY-228A)
Epa1-Np mutant Y228A
CCL2-10097
Epa1-Np WT
PPA
Sp Serotype 14 v2
Sp Serotype 14 v1
Sp Serotype 14 v3
MMA-M
PPL
SGA
Threonine
GRB
GSL-I-B4-Fc
Mouse NKR-P1C
DC-ASGPR wt
Mono1-CNL
GAL8
ConA
Galectin-3
VLRB.aGP1-1
Epa1-Np mutant E227G
PAL-I
ACL
VGA(EY Lab)
Epa1-Np mutant E227A
MIA
Mono2W-CNL
HHA(EY Lab)
LSL-I-B4
Native HPA
hJAX-1-18B11
hGal-1-4B1-XCS
WGA(Seikagaku)
WGA(Seikagaku)(LB12)
WT Galectin-8
Anti-Lec
ME7(detected with a2-HUD)
Galectin-7
PNA
SSL0488
UDA
Mouse Galectin-9
SNA
Galectin-1
human wGA
WGA
MAA
MAL
Human Galectin-1
mouse Galectin-1
STL
MAA(Seikagaku)
WGA multimer

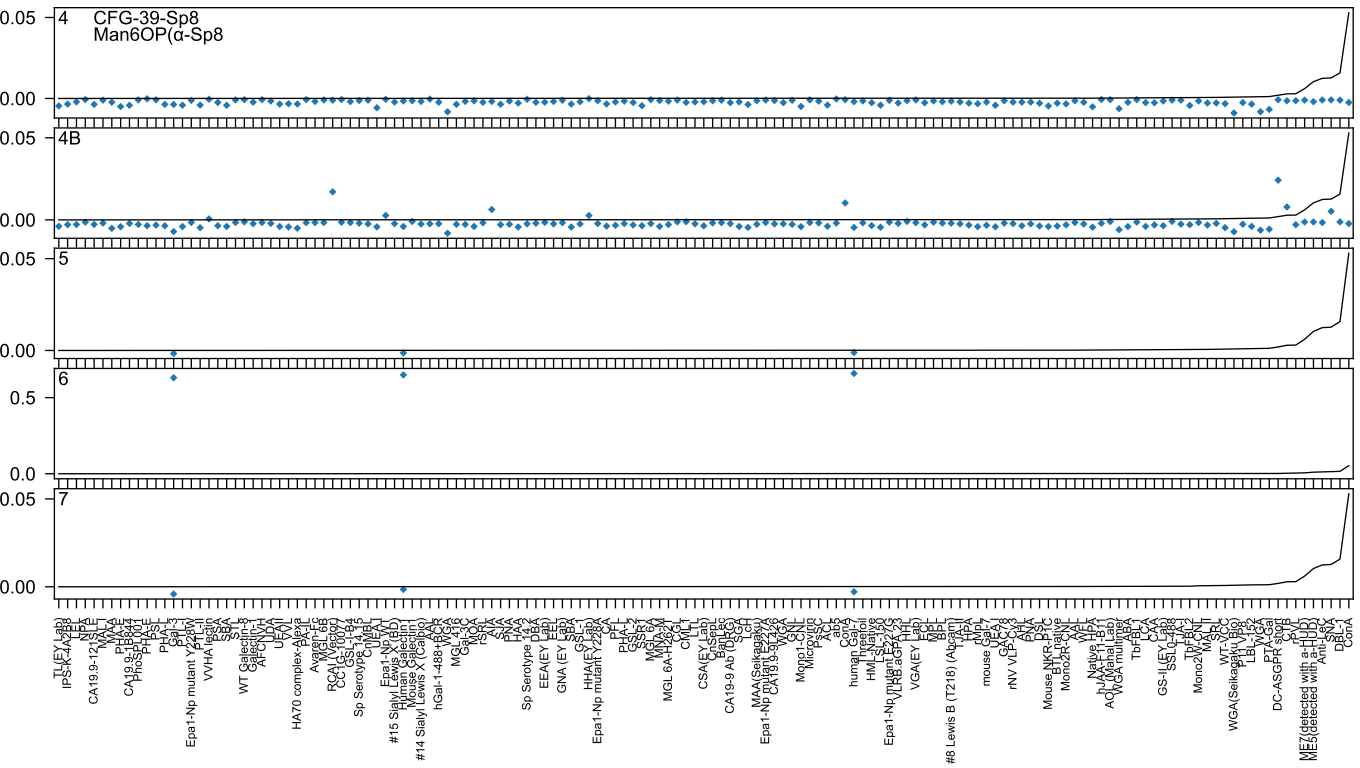

4
CFG-34-Sp0
Gal3OS(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SMA
SNA
CA19-9-12
SLE
PGI
HA70 complex-Alexa
DNgal
SGL
PA-I
VEAII
TL(EY Lab)
PNA
PTL-I
Microvirin
ab5
AOL (Mahal Lab)
ABA
Epa1-Np mutant V228W
Sp Serotype 14-15
#14-Sialyl Lewis X(Calbiochem)
#15-Sialyl Lewis X(IBD)
#8 Lewis B(72-16) (Abcam)
ASA
MNA-N
SSA
PTA-I
HMA(EY Lab)
GMA(EY Lab)
EEA(EY Lab)
Mono2W-PNL
UEA-I
PSA-E
MGL 6A-H262T
PSA-E
GNA
ABA
GSL-I-B4
EEL
GNA
VGA
GSL-I
GSL-II
LTA
LTE
CGA
PHA-E
PHA-L
AIA
Mono2R-CNA
CTB
CTA
CA19-9 Ab (DRG)
CA19.9 Ab (Lab)
Epa1-Np mutant Bazzacchi
HML-Native
Sp Serotype 14-15
Gal-3
PSSC
PSSC
AFP-FITC
hJAA-F (1-B11)
Epa1-Np mutant V228T
Wgn1-CNA
CSA(EY Lab)
Mouse NRE-PTK
Epa1-Np mutant N270G
Epa1-Np mutant N270V
CNSgp1
WT Galectin-3
HPA
Thrombo
GAC76
CA19.9 (TBA)
SRL
CA19-9 (EY Lab)
VRA (ASP Lab)
HPL
MGL
Mouse HPA
Native HPA
CCTA (Acon)
CTA (Acon)
hGal-1-188+BCR
Phos-Sp09
LCA-I
UDA
PNA
P11
CAA
VGA(EY Lab)
VGA(EY Lab)
Avarol-PEC
MPA
RCAI (Vector)
WGA
WGA(Seikagaku Biol)
LSL-1-CA
Gal-3C
LBL-SRS
SSL-CYS
SSL-CYS
DC-ASGPR (CX3
DC-ASGPR (CX3
UDA
P-Ala-Gal
ME7(detected with a-LUD)
P-Ala-Gal
Mouse Galectin-1
ME5(detected with a-LUD)
Galectin-1
human WA
WA
MAL-I
MAL
Human Galectin-1
mouse Galectin-1
STL
MAA(Seikagaku)
WGA multimer


4
CFG-34-Sp8
Gal3OS(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SNA
ABA
ABA
AOL (Mahal Lab)
PFS
PFS K-4A288
CA19.9-18288
CA19.9-18844
HA70 complex-Alexa
DSA
AIL
WGA
VEAI
TL(E.C.Lab)
PNA
PNA
RCAI (Vector)
BPL-I
GNA (E.Y. Lab)
PHA-L
SSA
SSA
Epa1 CnMAL
Epa1-Np mutant Y228W
PhoS CNL1
Avarol-Fc
Sp Serotype 14
Sp Serotype 1
DC-ASGPR short
MGL 478
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (Y2 Ab)
HMA (Native)
VLRB AGA v1
VLRB AGA v3
SSL2-488
ME5(detected with MAb)
MAL
TEL
Tb-PFAC
PhaE
MGL 6A
PRA-E
HAA
DBA
GSI
CoA
CoA
VFF
P11
Mono2R-CNL
AAA
CTB
VAA
AAL
EOT
GSL-I-B4
hJAA-FITC
SJA-I
NPA
TbF-BCT
CGL
MoL
Epa1-Np mutant Y228T
CA19.9 Ab (GRO)
Epa1-Np mutant Epitope
Mono2W-CNL
Mono2-CNL
Threonin
Sp 47
CC1G-16047
CSA (E.Y. Lab)
GS-II (E.Y. Lab)
PSA
Sp Serotype 14-E
#15 Sialyl Lewis X (Bio)
MGL
CAA
GSL-I
WT-XCC
Epa1-Np mutant Epitope
ECA
CA
CA19.9-121
VGA (E.Y. Lab)
SBA
VVHA HPA
Native HPA
GAC78
LYC
Mouse NKR-CNL
Mono1-CNL
UEA
MPL
Sabs3
rNV VLP-Cy3
WT Galectin-8
LJA
WGA(Seikagaku Bio)
EEA (E.Y. Lab)
Agri-Lec
Lgl-1-Lec
hGal-1-488-BCR
CNA
WGA
BTL
BTL-150
ME7(detected with a-PUD)
Con A
Mouse Galectin-1
PNA
DBA
UDA
Galectin-1
human Galectin-1
MAL II
WGA
Human Galectin1
mouse Galectin-1
STL
MAA(Seikagaku)
WGA multimer


4
CFG-35-Sp8
Gal3OS(β-Sp8
4B
5
6
7
0.2
0.1
0.5
0.0
SNA
SNA
IPS-K-4A2B8
CA19-9-3C326
CA19-9-1B844
mouse Gal-7
Gal-3
VVHA Lectin
WGA multimer
MGL
SGA
PNA
UEA-II
UDA
TL(EY Lab)
SBA
ABA
AOL (Mahal Lab)
GNA (EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
WT Galectin-8
Avarol-Sc
PSA
Sp Serotype 14
MGL 416
TBP-2
#14 Sialyl Lewis X (Calbiochem)
ME7(detected with G-HUD)
ME5(detected with a-HUD)
AOL
WGA
VVHA
UEA1
SSA
#15 Sialyl Lewis X (BD)
hNAA-1(1-137)
Mono2R-CNL
GSL-I
PTL-I
HCA
AIA
ACG
Threonin
TBL
GSL-I
CTB
DBA
WFA
DSL
PNA
HAE
AAL
Mouse Galectin-1
Human Galectin-1
PTL-II
PSL
GSL-IV
GNL
PTA
UEA
PEA
PCA
BPL
CA19-9 Ab (OR-1)
hGal-1-488-BGR
Galectin-3
HML-Neuraminidase
Epa1-Np mutant Y228W
human p-Gal-7
HA70 complex-Alexa
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y228H
MGL DA-H2288
VLRB.aGFP
PCA
SJA
SJL
UEA
Micromonospora
CWLT
GS-II (EY Lab)
SSA
SSL1
SVL
PAA
HHA(EY Lab)
EEA
CSA(EY Lab)
Mc-RSGPR short
DC-RSGPR short
TBP-1
CAA
WGA
P11 VAB
Galectin-1
Galectin-1
Sp Serotype 14-15
ECTG-1(1077)
Mono2V-CNL
Mono2R-CNL
BanLec
VGA (EY Lab)
BGA (EY Lab)
MNA-M
SSA
rNV-VLP-C98
LBL-155
LBL-156
WGA(Seikagaku Biol)
Native-PNA
Ani-LEC
MAA(Seikagaku)
MAL II

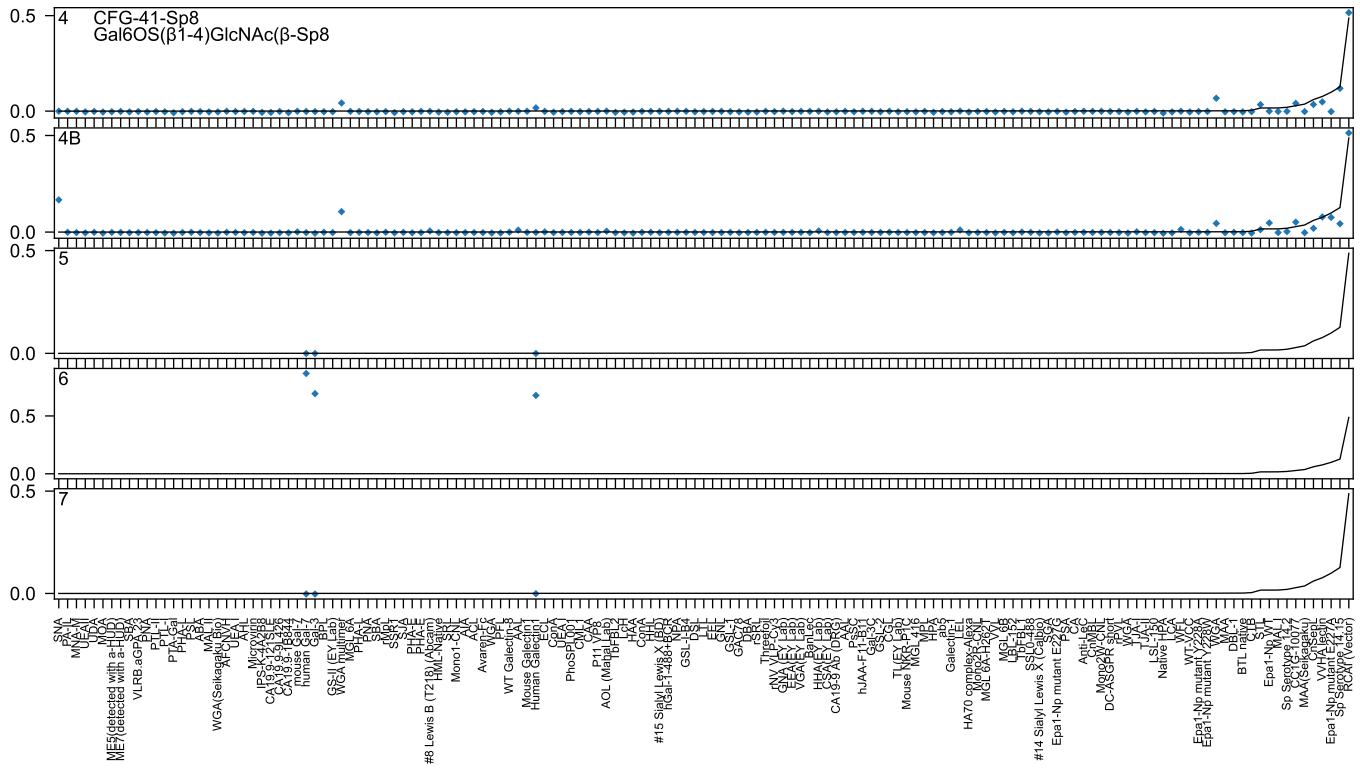

4
CFG-37-Sp0
Gal4,6OS2(β1-4)GlcNAc(β-Sp0
4B
5
6
7
.005
.000
.005
0.02
0.00
.005
.000
0.5
0.0
.005
.000
SNA
SNA
Microvillin
JPS-4-1-4298
CA19-9-4298
mouse Gal-7
human Gal-3
Gal-1
Gal-1
DBL-1
CC1(CY Lab)
TbFBL1
ABL
ABL
WGA(Seikagaku)
SBA
PNA
WVF
WVF
UEA1
UEA1
TL(EY Lab)
ABA
ABA
GSI-II(EY Lab)
HHA(EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
PhoSPL001
WT Galectin-4
Galectin-4
SSL
SSL
TbFBL2
hGal-1-488-PDX1
PDX1
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (12 Mol Name)
MEI(detected with a-HUD)
MEI(detected with a-HUD)
WT-VGA
VGA(EY Lab)
SJA
SJA
BRA
BRA
PTA(EY Lab)
#15 Sialyl Lewis X (Calbio)
PTA
hJAA-F11-B11
WGA
WGA
CTB
CTB
Gal-3C
Gal-3C
GSI-I-B4
CSA(EY Lab)
Threonin
PHA
PHA
ACA
ACA
AIA
AIA
DBA
DBA
EA
EA
GNL
GNL
VGA
VGA
NPA
NPA
Anti-NeA
NeA
pLEA
pLEA
PTL-I
PTL-I
Human Galectin-1
TEL
TEL
PHA-E
PHA-E
MAL
MAA(Seikagaku)
MAL II
MAA(Seikagaku)
PHA-L
PHA-L
MAL
MAL
Mouse Galectin-1
Epa1-Np mutant E227G
AAL
MGL 6A-H2621
PNA
SSA(EY Lab)
AFCS-SSH
CA19-9-18844
Con-A
Con-A
Mono1-CRL
Sp Serotype 1-429
PNA
P11 VP8
Avaren-F-5
PHA-L
PHA-E
VLRB aGC-428
CA19-9 Ab (DRG)
Native
HPA
VGA
VGA
GNA (EY Lab)
EPA(EY Lab)
EPA(EY Lab)
CA19-9-724 STE
Mouse WGL-478
Mouse NKR-P1C
AOL (Marine Lab)
CMEL
P-Ha (Native)
VP-Ha (Native)
RCA (Vector)
Kombucha
HA70 Kombucha
SSL0-488
WGA (BL-1125)
Sp Serotype 1-EA-1
TPV
TPV
MOA
DC-ASGPR short
SBA
SBA
rNV VLP-Cy3

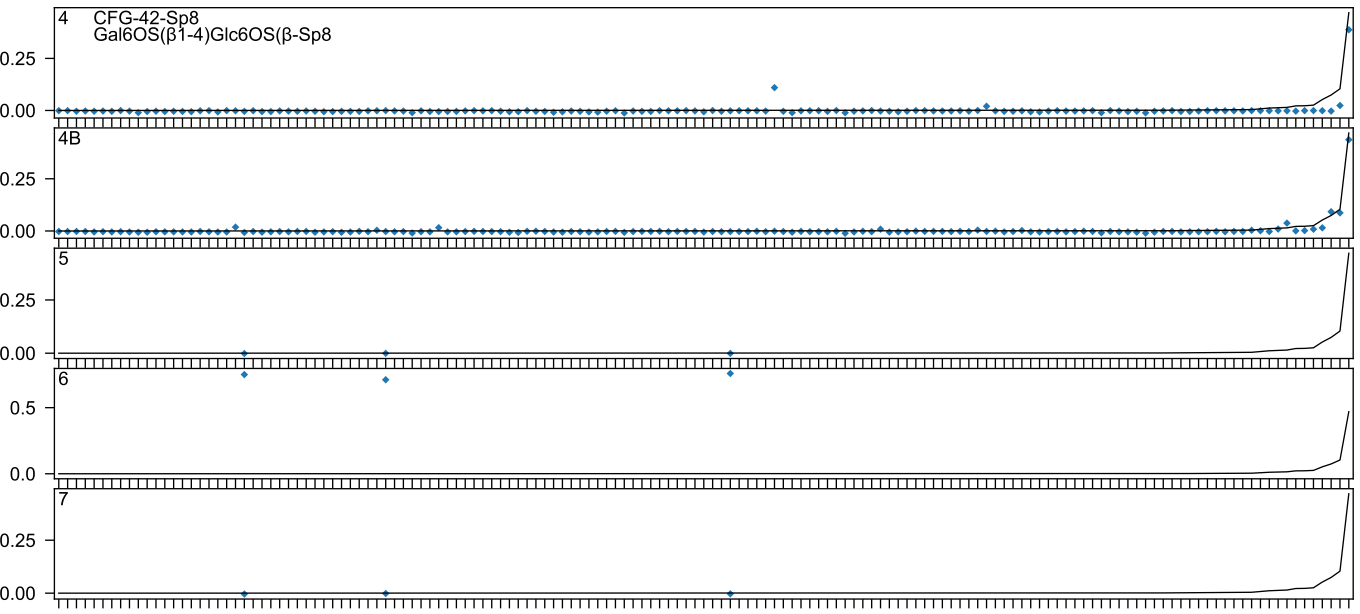

4
CFG-38-Sp8
Gal4OS(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
#14 Sialyl Lewis X (Calbio)
SMA
DMA
SGA
SSA
hGal-1-488+EDS
hGal-1
PNA
MGL-1A
MGL-1B
TL(EY Lab)
MOA
PTL-I
PTA
PSL
PHA-E
PHA-L
MGL-6B
MGL-6A
MGA
Human Gal-7
VGA(EY Lab)
UEA
SBA
LTA
HHA(EY Lab)
GNA (EY Lab)
GS-II (EY Lab)
Mono2W-CNI
BNL
ABA
ACA
abs
IPS Microvesicle
ME7(detected with a-HUD)
TWWA
TWWA Lab
PHA-E Lab
PHA-L Lab
PsSC
CorA
MAA
MAL
Mono2R-CNI
AIA
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
Gal-8
CTB
WGA
Epa1-Np mutant E227A
MPL
Mouse Galectin-1
DAT
TEL
CnBP-1
GSL-I
MNA-M
PhoSPL-M
CSA(EY Lab)
GSL I-B4
CnSep3
WT Galectin-9
NPA
DBA
Avaren-Fc
PNA Lab
AF CNYH
Mono1-CNI
VLEB aGP-A
LEB aGP-A
BTL Helix
#8 Lewis B (T218) (Abcam)
HA70 complex-Alexa
Epa1-Np mutant Y228W
Sp Serotype 14-28
CA19-9 Lab
Banlec
CGL
RCA I (Vector)
CA19-9 (TSTC)
DC-ASGPR
Jacalin
#15 Sialyl Lewis X (BD)
AJA
AHL
GAL-8
SSL0-488
SEL
GNL
GNA-T
MGL 6A-HS
SPL
Galectin-1
CA19-9 Ab (Abcam)
HAA
CA19-9 Thermo
HML-Native
Native HPA
AOL (Malpa Lab)
Tbt-1
HPA
Sp SerNNB 41-2
Mouse NNB 41-2
PHA-L
TEA-E1 (Lab)
hJAA-F1 (Lab)
LcnA
LsCorA
DBL-1
Gal-3
LBL-152
VVL
CC1G-10077
WGA(Seikagaku)
SNA(Vector) Bio
Human Galectin-1
UDA
VGA
MAL
MAA(Seikagaku)
ME5(detected with a-HUD)
WGA
SEL
WGA multimer

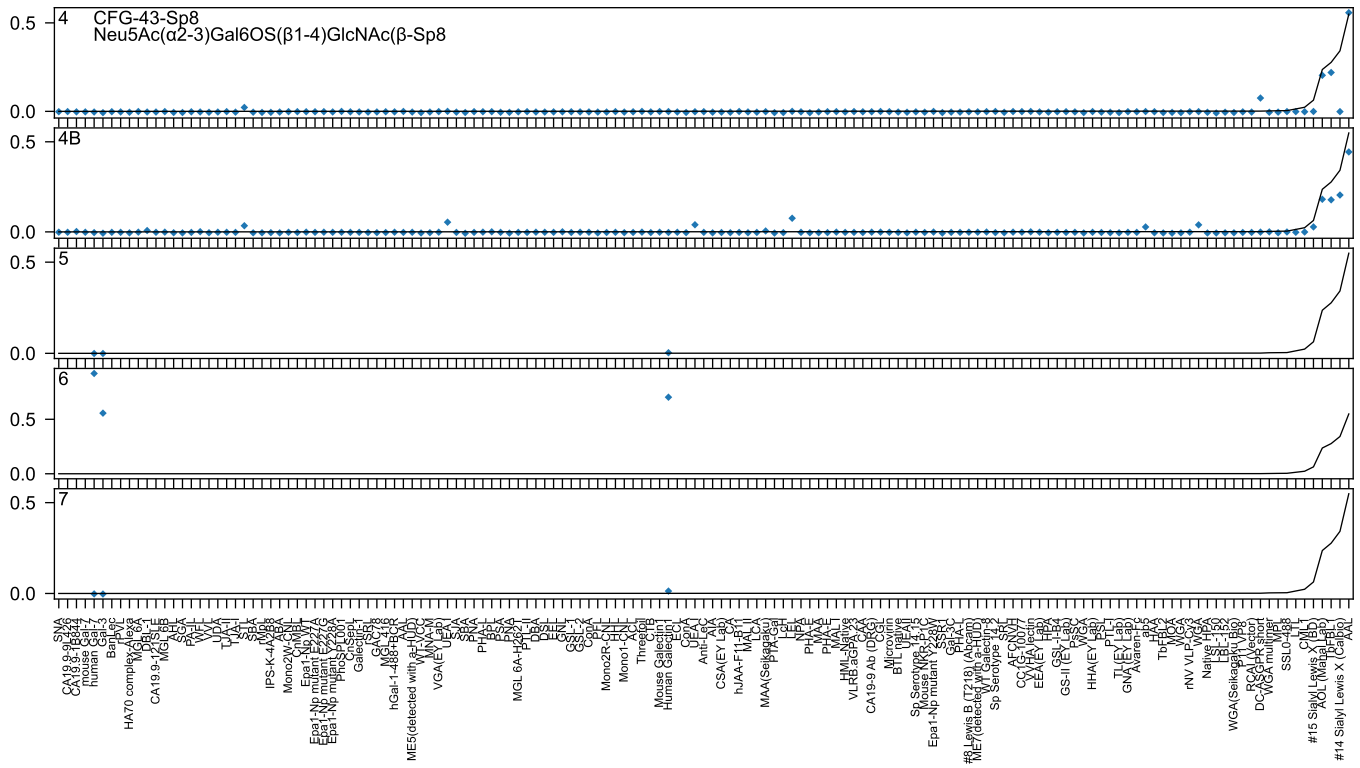

4
CFG-39-Sp8
Man6OP(α-Sp8
4B
5
6
7
0.05
0.00
0.5
0.0
TL(EY Lab)
iPS-KK-A3
NEL
CA19.9-12
SLE
MAL1
PHA-E
PHA-L
CA19.9-1
Phosphatase
PHAE
PHAL
Gal-3
Epa1-Np mutant Y228W
PHL-I
VVHA
PBA
SBA
SNA
WT Galectin-8
Galectin-1
APC(NV)
UEA
UDA
CVN
HA70 complex-Alexa
PHA
Avaren-FC
RCA
Man6OP
CC Gs-10077
Sp Serotype 14-15
ConBr
#15 Sialyl Lewis x (BD)
Epa1-Np WT
Mouse Galectin1
#14 Sialyl Lewis X (Calbio)
hGal-1-488+BCR
MGL-416
Gal-2X
hSR
SIA
PNA
Sp Serotype 14-2
DBA
EEA(EY Lab)
GNA (EY Lab)
LEL
GSL-1
HHA(EY Lab)
Epa1-Np mutant Y228A
PA
PHA-L
GSS-1
MGL-6A
MGL 6A M283A
COGL
LTL
CSA(EY Lab)
Bap-Sec
CA19-9 Ab (SSY)
LCH
MAA(Seikagaku)
Epa1-Np mutant Y227W
CA19.9-SLX-226
WGA
GNL
Mono1-CNL
Mono2-CNL
PSSC
abo
ConA
human Galectin-3
threefoil
HML-Native
Epa1-Np mutant Y227G
VLRB.aGPI
VGA(EY Lab)
TJA-I
MPE
Bjp
#8 Lewis B (T218) (Abcam)
PNA
mouse Gal-7
mouse Gal-1
GVC8
rNV VLP
Gal-3
PNA
Mouse NKR-P1C
B11-Native
Mono2R-CNL
WFL
Native WFL
hAAT-F1-B11
AOL(Mahal Lab)
WGA(mutant)
ABA
TbFBP-A
CAA
GS-II (EY Lab)
SSL-1-488
TJA-I
Mono2W-CNL
MSL
WT-VCC
WGA(Seikagaku)
Bau-B9
LBL-162
PTA-Gal
DC-ASGPR stoff
PVV
MEF(detected with a-HUD)
MEF(detected with a-HUD)
Anti-LEC
DBL-1
ConA

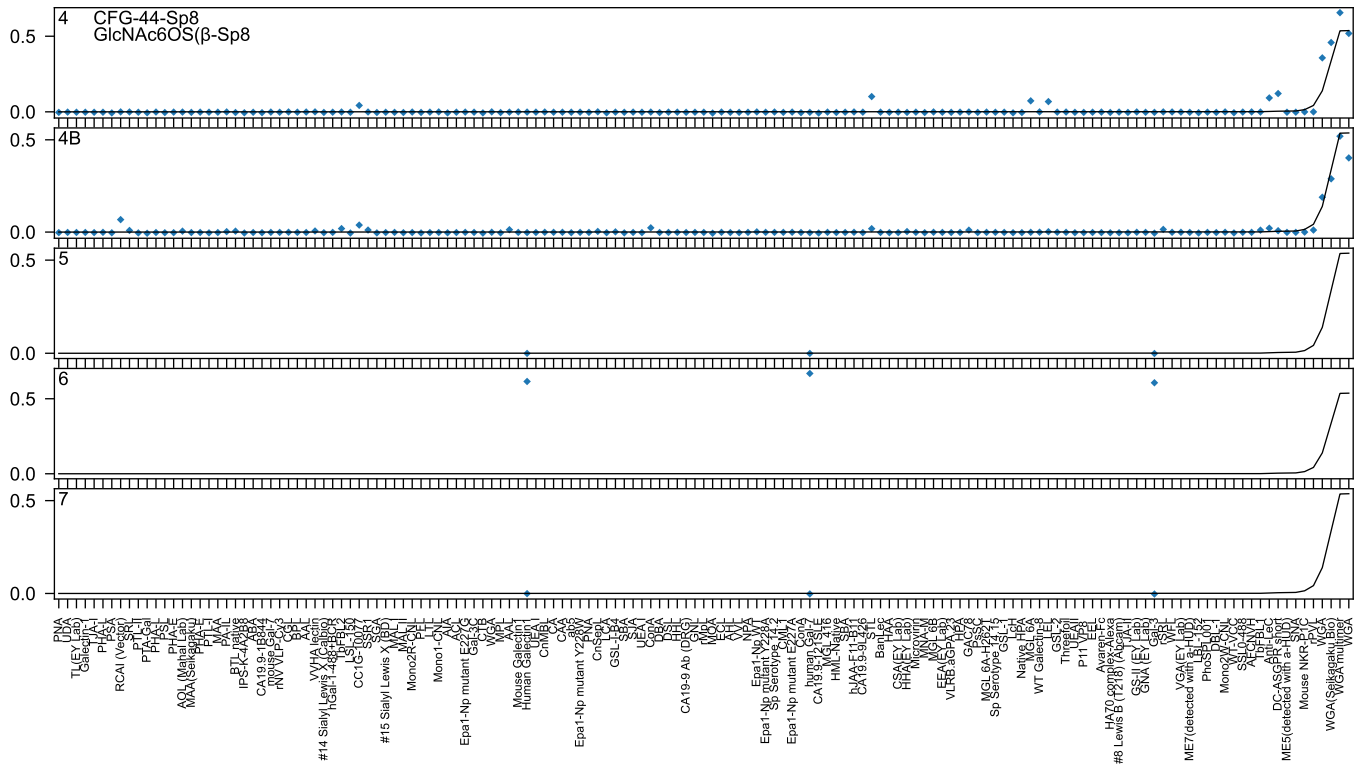
4
CFG-40-Sp0
Gal6OS(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
Gal-1
mouse Gal-3
human Gal-3
Galectin-1
WGA mutant
UEA-I
CA19.9-18844
PNA
PTL-I
PTA
PTL-II
MAL I
MAL II
PSA
CA19.9-21288
IPSP-PBCR
Microvigin
Cnidus
WT Galectin-1
hGal-1 388-PBCR
#14 Sialyl Lewis X
WT-VCC
UEA-I
SNA
PNA
EEA(EY Lab)
GSII(EY Lab)
ABA
MPA
MGL 6A-H2-OA
AAL
P11
VFF
ECL
Mouse Galectin-1
Human Galectin-1
Mono1-CNL
ACL
LCH
Thrombospondin-1
GSII-4
GNL
LEL
UDA
DSA
GSL-IV-B4
WGA
WFL
CTB
WGA
HHA
HHL
#8 Lewis B (T218) (Abcam)
Ben-sec
Ben-sec
CA19.9-1
CA19.9-1 (EY Lab)
VGA(EY Lab)
TL(EY Lab)
LEL
HPA
VLRB.aGPC
PVL
HWM-Native
GNA(EY Lab)
PAA-I
HA70 complex
Tetanus
MGL 6B
PA-IL
MAA(Seikagaku)
Mouse NKG2D-L1
SSA
TbFBL-1
PSL
HHA(EY Lab)
PNA(SP Lab)
Mono2WALL
AAL
#15 Sialyl Lewis X (BD)
Epa1-Np mutant X228A
SSL
THA-I
PHA-E
Galectin-3
CA19-9 Ab
GAL6
CA19-9
CAA
MGL-6A
WGA(Seikagaku)
Galectin-2
MGL 218
SSL0-1B
MNA-M
AOL (Mahal Lab)
SSA
VVL
CGA
CJA-I
DBL-1
Galectin-7
ME5(detected with a-Rib)
CA
LBL-155
TbFBL-2
DC-ASGPR short
Avaren-F5
Mono2R-CNL
ME7(detected with a-Rib)
TNA
Galectin-1
Epa1-Np mutant Y228A
NVVLP-2x3
Epa1-Np mutant
BTL native
AnsSec
Epa1-Np WT
Sp Secretome 0.047
Epa1-Np mutant E227A
Sp Secretome 14.10
Sp Secretome
RCA(Vector)

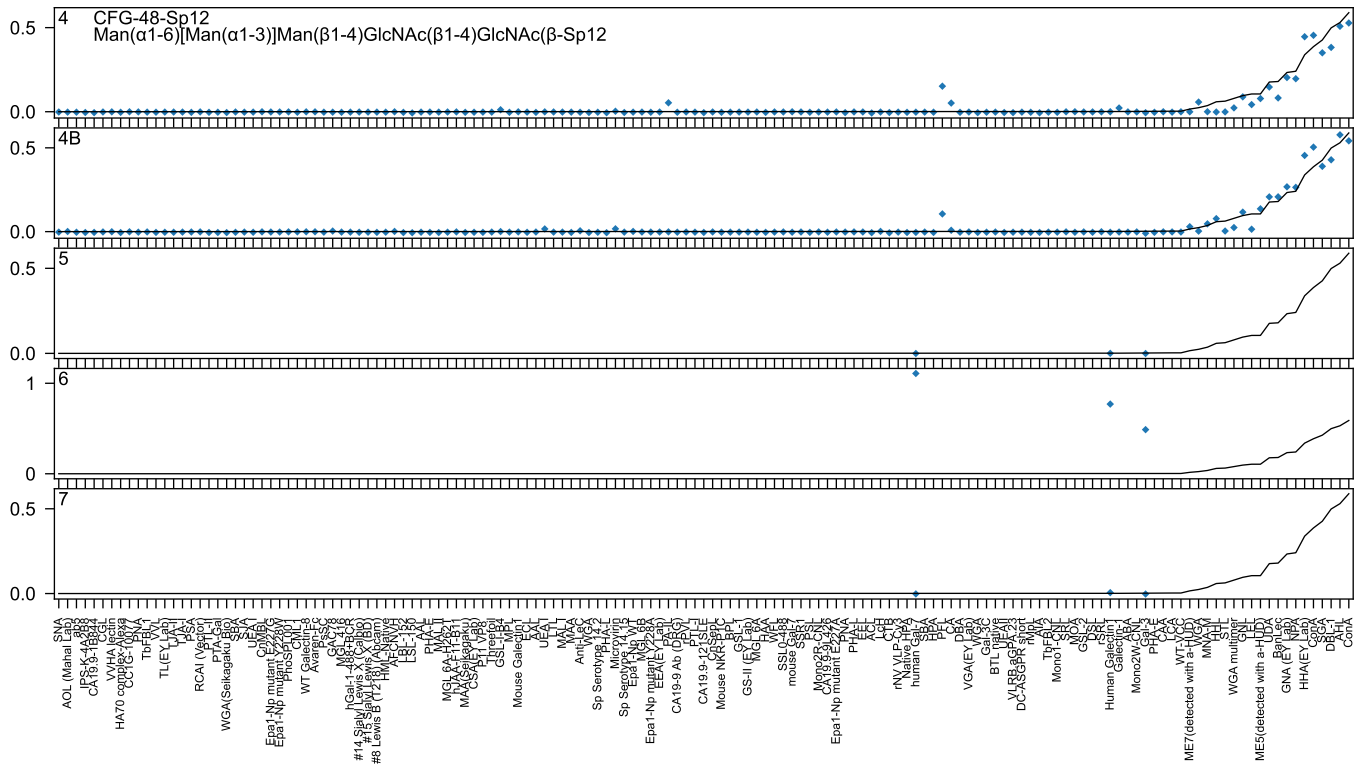
4
CFG-40-Sp8
Gal6OS(β1-4)Glc(β-Sp8
4B
5
6
7
0.5
0.0
SMA
CA19.9-18
M14
mouse Gal-7
human Gal-7
Bauhinia
WGA mutimer
SSA81
IPS-1K-4A
WGA(Seikagaku)
VFL
UEA
SBA
PNA
PTL-I
PSL
MAL II
Microvirin
GorBR
PhoSP
ISR
MGL-C18
hGal-1-C18
#14 Sialyl Lewis X (Calbio)
HML-Nature
SSA
SSL0488
MGL-C18
UEA
SNA
SNA
PNA
HHA(EY Lab)
EEA(EY Lab)
AAL
PAA
MGL 6A-H2B-T
AIA
Gal-3C
ACL
HPL
HHL
PAA
ConA
HPA
Mouse Galectin
LCA
Mono2R-CNI
PSL
LEL
HA70 complex
CA19.9-18
CSA(EY Lab)
UEAI
CSA(EY Lab)
ABA
AFCO
OSL
CA19.9-1483
CA19.9-1283
VLRB-A
Mouse NKR-P1
NPA
MAA
Thrombin
WFA
PHA-L
MPL
EIC
Man
#8 Lewis B (CT218) (Abnova)
CA19.9-12/SCF
WT Galectin-8
DBA
Avarep-Fc
PFL
EEL
VGA(EY Lab)
AOL (Malbal Lab)
MPL
Tulip (ACL)
#15 Sialyl Lewis X
Gal-8
VGA
Mono2L-CNI
GAL-8
MAA(Seikagaku)
GS-II (EY Lab)
Epa1-Np mutant E227G
PVL
Galectin-1
Mono2W-CNI
hJAA-F11-B11
Napinin
TVA-Gal
LSL
PNA
Gal-3
Fab
GNA (EY Lab)
CML1
MGL-6A
TJA-I
ABL
LBL-P32
PJ1
VRA
BTL native
Human Galectin-7
SBA
ConA
DC-ASGPR-2
Epa1-Np mutant K228W
CTB
MET7(detected with a-HuG)
Epa1-Np mutant Y228A
MES(detected with a-HuG)
NW-YP-004
CC1G-10044
Epa1-Np WT
Sp Serotype 14
Epa1-Np mutant E227A
Sp Serotype 19A
RCA(Vector)

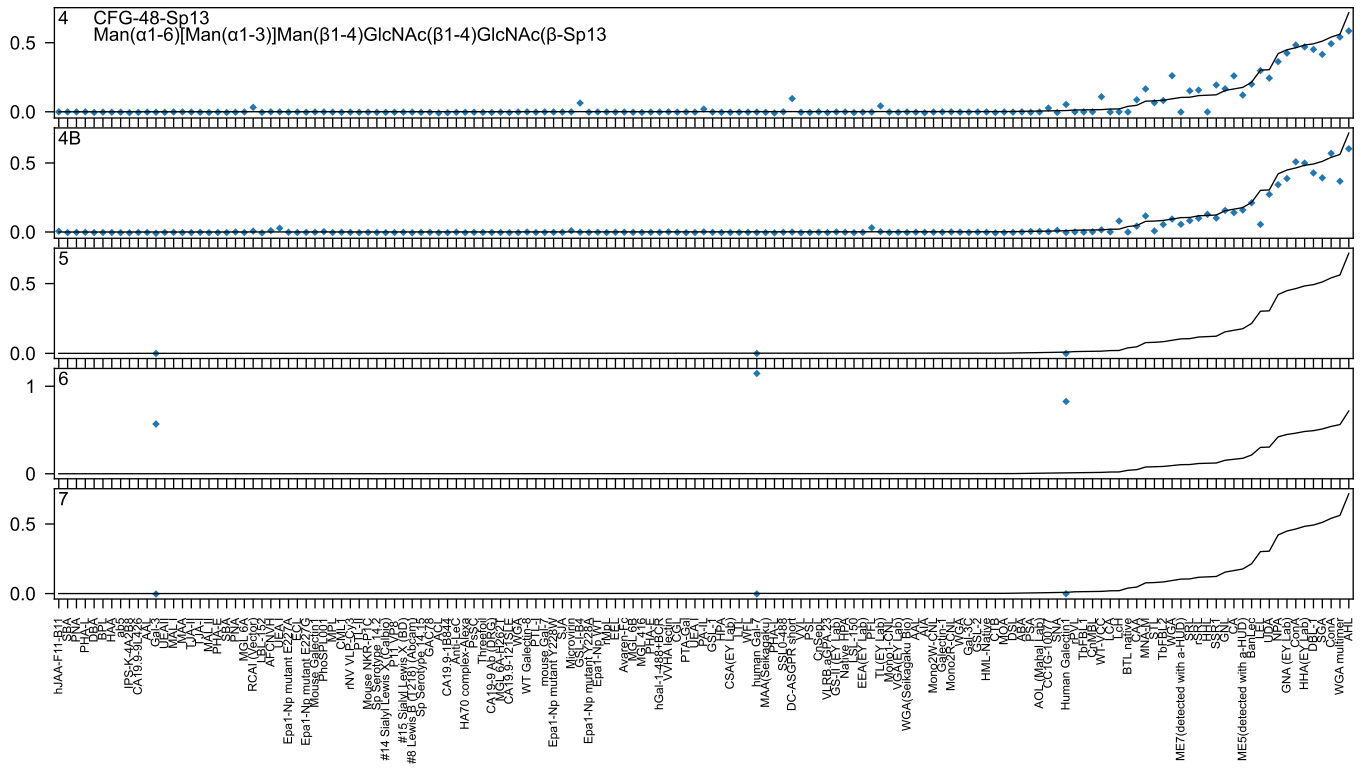

4
CFG-41-Sp8
Gal6OS(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
PNA
MNEM
UEA
MOA
ME5(detected with a-HUD)
ME7(detected with a-HUD)
SBA
VLRB.aGP
PHA
PTL-I
PAL-Gal
PAL-Fuc
FSL
MAL
ABA
WGA(Seikagaku Biol)
APC
LEL
AAL
Mouse IgM
IPS-K-72988
CA19-9 (2) Sp8
CA19-9-18844
mouse Gal-7
human Gal-7
Gal-3
Gal-3 Lab
GS-II (EY Lab)
WGA Nuclmex
PHA-L
SNA
SBA
MOA
SSA
PNA
PHA-E
#8 Lewis B (T218) (Abcam)
HML-Native
Mono1-CNL
AIA
Avarol-LEC
VVL
PEA
WT Galectin-8
Mouse Galectin1
Human Galectin1
CGA
PhoSPL-Fc1
CML1
P11 VP8
AOL (Matal Lab)
Tbt-Lab
DSA
HPA
CTB
#15 Sialyl Lewis X-BGP
Man4-BGP
NPA
GSL-I-B4
DSL
ETL
GNL
GSL-I-A4
OAA
PSA
Thrombo
INV VLP-Cy3
GNA (EY Lab)
EEA (EY Lab)
VGA (EY Lab)
Lentil-Lec
HHA (EY Lab)
CA19-9 Ab (DRG)
ASA
hJAA-F11-B01
Galectin-3
CGL
TL (EY Lab)
Mouse NKR-P1D
MGL 416
HPA
abs
Galectin1
LEL
HA70 complex Alexa
MGL 6A-H-2807
MGL 6A
MGL 98
LBL-F12
SSL0-488
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant E227G
CSA
Anti-HEC
Mono2 (CORL)
DC-ASGPR spot
WGA
TJA-I
LSL-1B3
Native LCA
WFL
WT-Epa1-Np
Epa1-Np mutant Y228A
Epa1-Np mutant Y228V
MAA
DBL
BTL
CTB
Epa1-Np WT
Sp Serotype MAL-1
CCTG-10074
MAA(Seikagaku)
VVHA-lectin
Epa1-Np mutant E417S
Sp Serotype E417S
RCA(Vector)

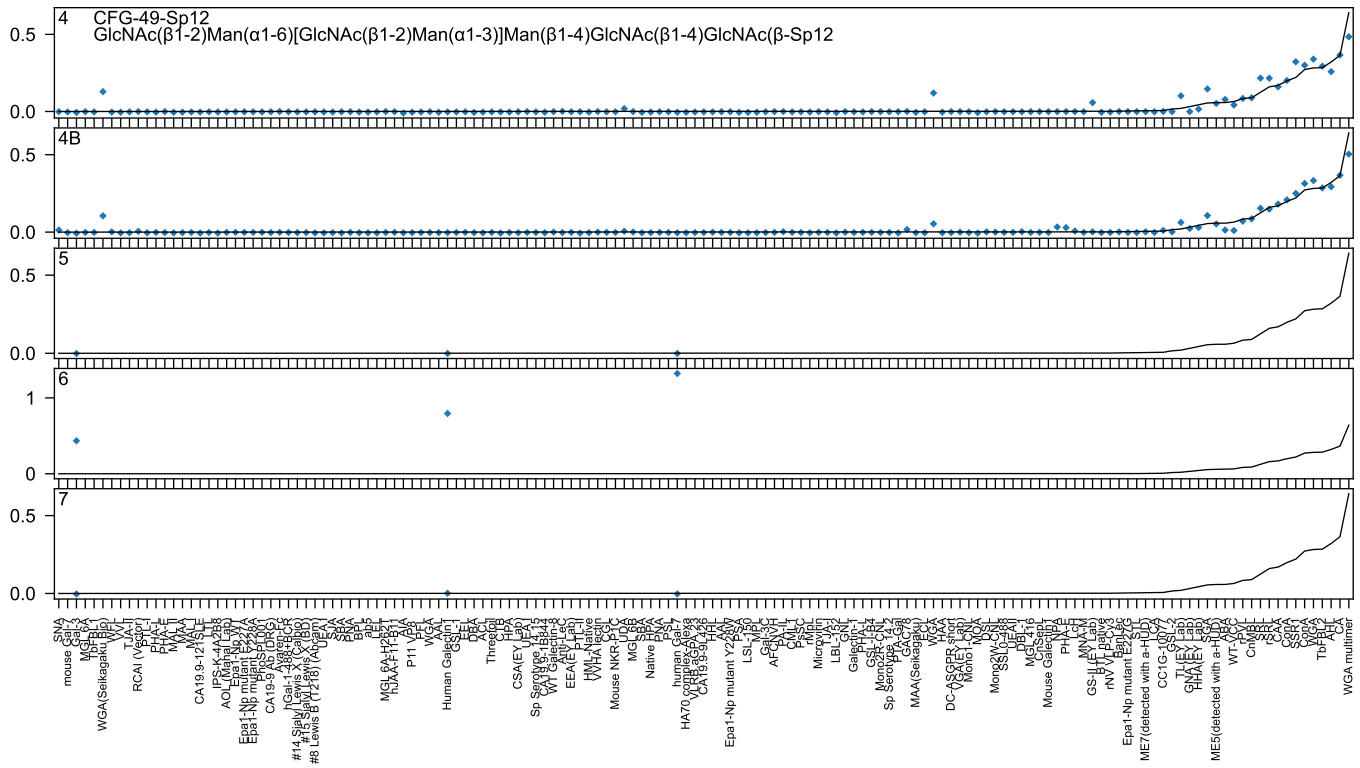

4
CFG-42-Sp8
Gal6OS(β1-4)Glc6OS(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
PSL
NGA
ATL
MAL
MAA
MAA(Seikagaku)
PNA
PFA-E
PTA
ABA
PTL
PVA
ESA
BSA
WGA
MNA
MNA-M
IPS-K-14-288
CA19-9-Ab-29
mouse Gal-3
Gal-3
PhaM
WGA multimer
PHL
SSA
UEA-I
VVL
TL(EY Lab)
SBA
BPL
PhoSP_001
Human Galectin1
#15 Sialyl Lewis X (BD)
WGA
Gal-8
ACL
ANL
Mono1-Ab
HMT-Native
AFCNVA
#8 Lewis B (T218) (Abcam)
CSA
GNL2
HPA
LTA
UEA
SSL
SSL1
VLRB aGP-93
MGL 416
CA19-9-Ab-44
CA19-9-Ab-1
DBL-1
Trimer
SSBP
PNA
Galectin-1
Sp Serotype 14-LC
Arabinogalactan
hGal-1-488-PCR
VGA-Mouse
GSL-I-B4
Mouse NK-Ab-PC
CSA(EY Lab)
human Galectin-1
Microvillin
CA19-9 Ab (PRG)
Sp Serotype 14-13
ThPBL2
MGL-88
ab5
PlPBL1
TcPBL1
WGA(Seikagaku) Bio
CML(1
GNA (EY Lab)
#14 Sialyl Lewis X (Calbio)
HAA (EY Lab)
WT Galectin-8
Mouse Galectin-8
PAA(1
EEA(EY Lab)
Monoclonal
CAA
AOL (Matsal Lab)
HHA(EY Lab)
GS-II (EY Lab)
GSL-I
SSL
rNV VLP-C-5
CgdA
STL
Mon2W-EGL
Native HPA
AOL
CgdA
LBL
WGA
LSL-150
hJAA-F11-B11
BTL-native
P11Type
SNG-88
Epa1-Np mutant Y226A
CTB
DC-ASGPR-Fc
AntiLec
MEZ(detected with a-HUD)
Epa1-Np mutant Y226A
ME5(detected with a-HUD)
CRA-Np047
Epa1-Np mutant E227G
Epa1-Np mutant Fc
RCA(Vector)

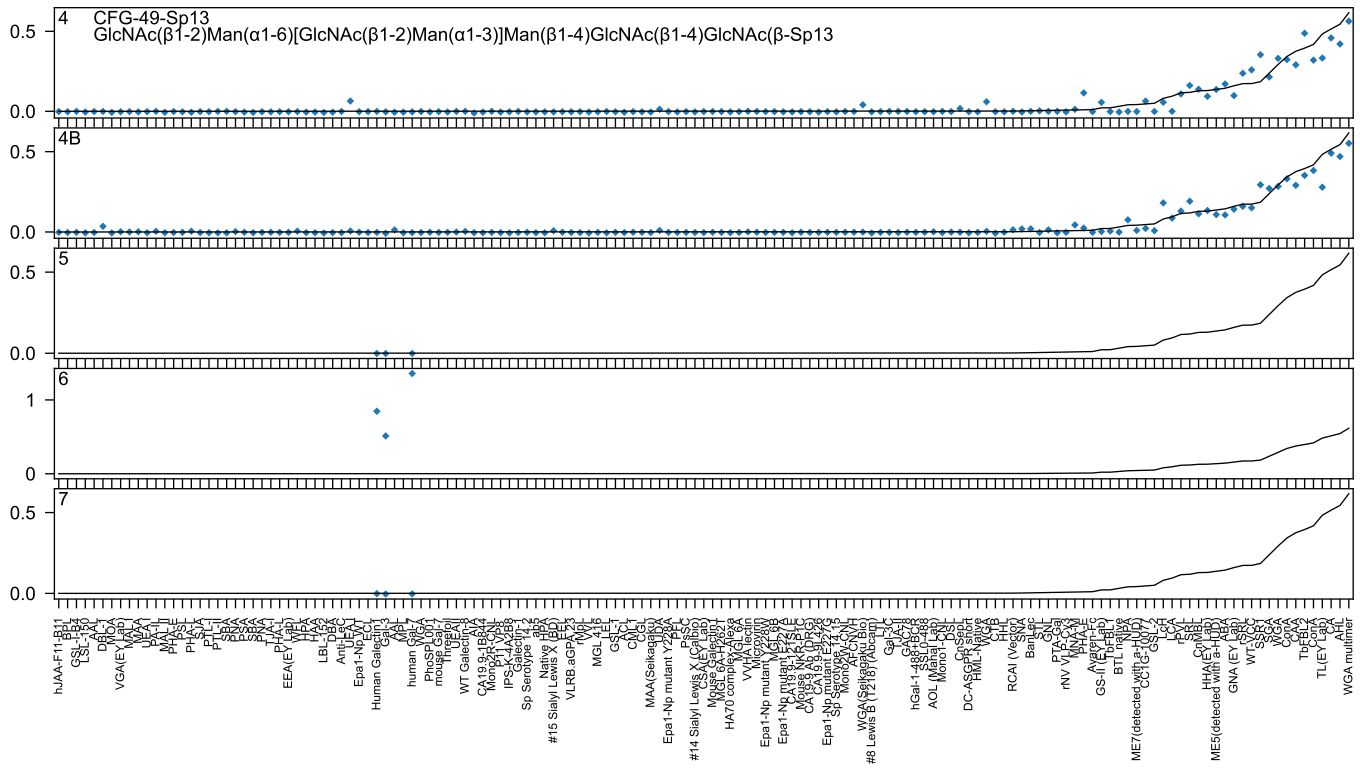

4
CFG-43-Sp8
Neu5Ac(α2-3)Gal6OS(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SVA
CA19.9-9
CA19.9-18
CA19.9-1844
human Gal-7
Gal-1
Gal-3
Bat-F
PVC
HA70 complex
WGA-Alexa
DBL-1
CA19.9 Ab (CSG)
MGAL-55
AGL
ASGA
PAA
WFL
UDA
TJA-I
TJA-II
SJA
MPA
IPS-K-4A2B3
IPS-K-4A2B8
Mono2W-CINT
Epa1-Np mutant E227A
Epa1-Np mutant E226A
Epa1-Np mutant E226Q
PhoS-PC001
GalectinP1
Galectin1
GFP
MGL 4-18
hGal-1-488-PBGR
PNA
ME5(detected with α-1UD)
WFA
MNA-M
VGA(EY Lab)
SSA
SNA
PHA-L
PHA-E
BSA
PWA
MGL 6A-H-2
PHA-P
DBA
EEL
SBA
GSL-2
CBA
PBA
Mono2R-CINT
Mono1-CINT
Aal
Thrombin
CTB
Mouse Galectin1
Human Galectin1
ECA
UEA1
Anti-Lex
CSA(EY Lab)
hJAA-F11-B11
MAL-I
MAA(Seikagaku)
pTAGal
LEL
LCA
PSA
NPL
MAA
PNA
MALT
HMA
VLRB.aGP1
Native
CAA
CA19-9 Ab (DSG)
Microvilin
BTL (IEA)
Sp SeroKnot 14-15
Sp SeroKnot 14-15
Epa1-Np mutant Y228AV
GSSC
PHAC
GSL-I-B4
GS-II (EY Lab)
WGA
HHA(EY Lab)
PTL-I
TL(EY Lab)
GNA(EY Lab)
AVarenin
PSL
HMA
Tho
VVA
rNV VLP
VGA
Native HPA
LBL-1
LBL-2
WGA(Seikagaku)
PAN (Ab)
RSCA
DC-SIGN Ector
VVSA multimer
SSLO
Mgal
LTL
#15 Sialyl Lewis X (BD)
AOL (Matsal Lab)
#14 Sialyl Lewis X (Calbio)
AAL

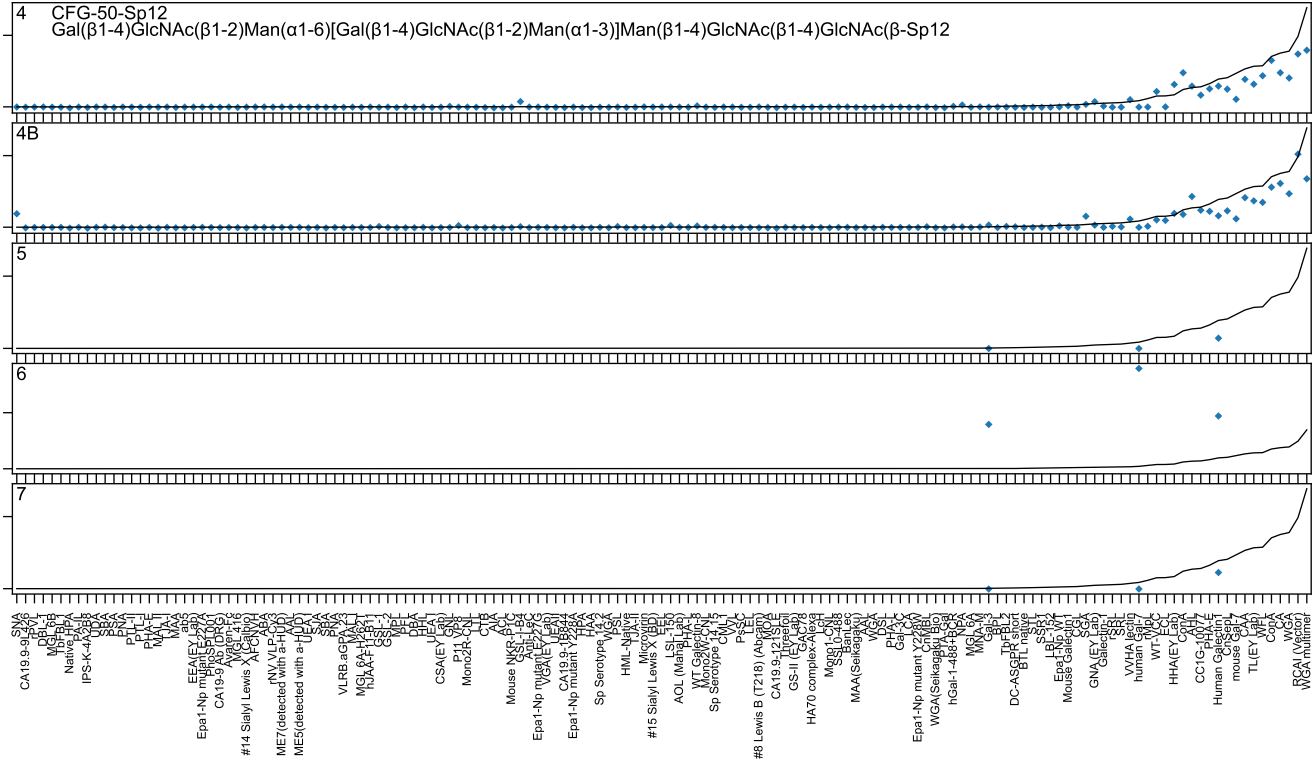

4
CFG-44-Sp8
GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
PNA
UDA
TL(EY Lab)
Galectin-1
PHA-L
PHA-E
RCAI (Vector)
SNA
PTA-Gal
PSL
PTA
PHA-E
AOL (Matreya)
MAA (Seikagaku)
PHA-E
PHA-L
MAA
BTL (Vector)
IPS-K-4A2B8
CA19.9-16B4
rNV VLP-Gal-7
CGB
BAL
VVHA
#14 Sialyl Lewis X (BD)
hSAP1 (488-HBGR)
LBFB2
CC1G-10027
SSSA
#15 Sialyl Lewis X (BD)
MALI
Mono2R-CNL
FLT
Mono1-CNL
ACL
Epa1-Np mutant E227A
CTB
WGA
AAL
Mouse Galectin-1
Human Galectin-1
CrmA
CA
CAA
Epa1-Np mutant Y228W
CnSepA
GSL-I-B4
SBA
UEA-I
CGA
DSA
DBA
CA19-9 Ab (DSHB)
GNL
MPA
ECL
CVL
NPA
Epa1-Np mutant Y228A
Sp Serotype 14-1
Epa1-Np mutant E227A
human Galectin-4
CA19.9-121SLE
HM-Native
hIAA F11-1
hIAA 5-9-1
CA19.9-9-1-226
STL
Barley
HAA
CSA(EY Lab)
HHA
Microvirin
MGL 6B
EEA(EY Lab)
VLRB.aGP1
HPA
GALSO
MGL 6A-H2821
Sp Serotype GSL-I-B
Native HPA
MGL 6A
WT Galectin-8
GSL-I-A
Tim-8(EY Lab)
P11
VEA
Avarep-Fc
HA70 (PR8)-Alexa
#8 Lewis B (12/18) (Abcam)
CGA(EY Lab)
CNA (EY Lab)
Gal-3
VFL
VGA(EY Lab)
ME7(detected with 2F8)(DSHB)
LBT-162
PhoSL
Mono2V-CNL
SSA-488
ACG(NT)
ACG(EY Lab)
Agl-LeC
DC-ASGPR 8(10)
ME5(detected with 2F8)(DSHB)
SNA
Mouse NKR-P1C
WGA(Seikagaku)
WGA(Vector)
WGA(multiplex)
WGA

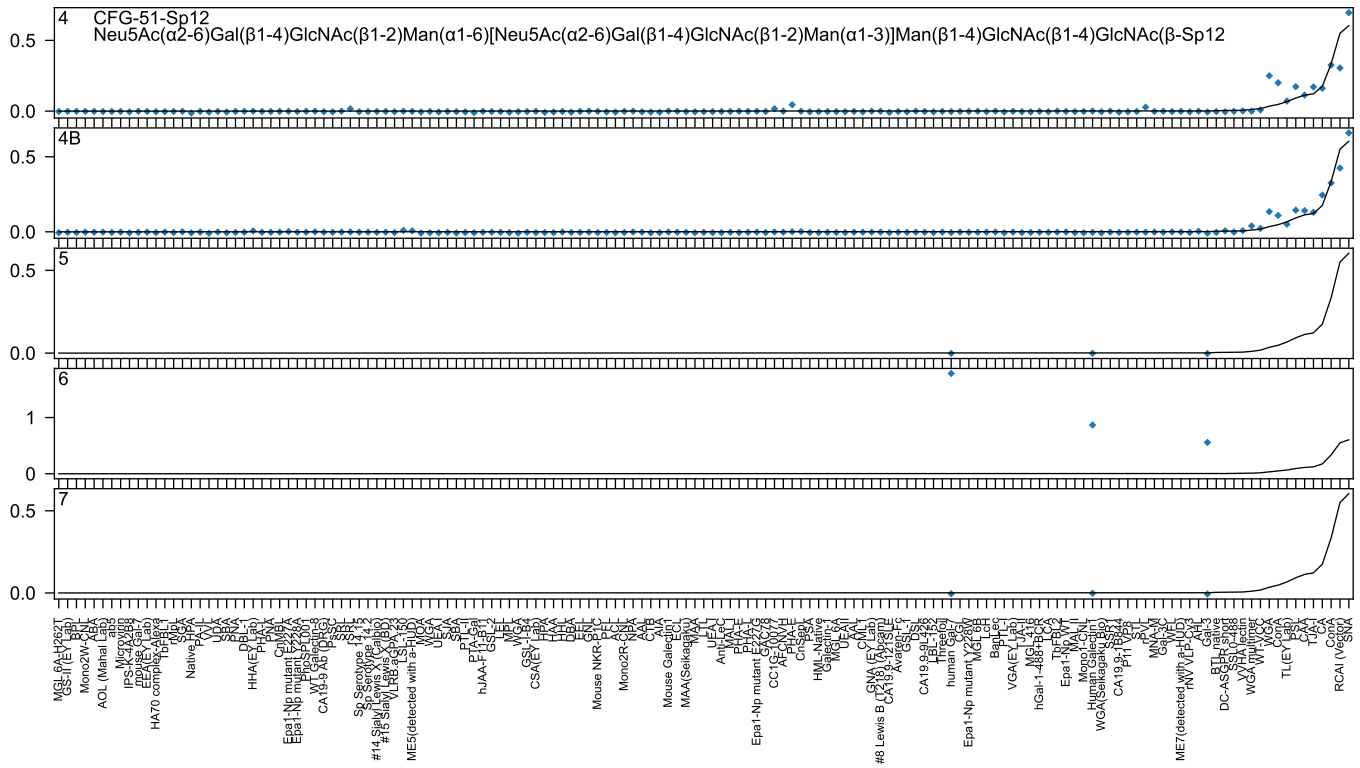

4
CFG-48-Sp12
Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
AOL (Mahal Lab)
SNA
ABA
ABS
JFS-K-44 (Lab)
CA19.9-1B3-2
CA19.9-1B3-4
VVHA (Vector)
ECL
HA70 cocktail-Alexa
CCTG-1D7-Alexa
TbfB-L
TbfB-H
TL(EY Lab)
LcA-I
LcA-II
PSA
RCAI (Vector)
PTA-Gal
WGA(Seikagaku)
BPA
SJA
UDA
Epa1-Np mutant E222G
Epa1-Np mutant E222A
PhoSP-O01
WT Galectin-8
Avarigen-EC
GAL3
hGal-1-418
MGL-418
hGal-1 X (Calbio)
#14 Sialyl Lewis X (TBD)
#15 Sialyl Lewis X (TBD)
#8 Lewis B (72-8 Calbio)
HMC Native
AEG-V2
LSL-180
PIA
IACE
MGL 6A-1
MAb 1
MAA-F11-B1
MAA(Seikagaku)
CSA-1
B11 VP8
GSI (Lab)
MPT
Mouse Galectin-1
UEA-I
LEA
LTL
MAL
MAA
Anti-HeC
Sp Serotype 14-2
PHA-E
Mouse Galectin-7
Sp Serotype 14-18
Epa1-Np WT
Epa1-Np mutant V228A
EEA(E Lab)
CA19-9 Ab (DBG)
PTL-I
CA19.9-121-SLE
Mouse NKR-P1C
SJL-1
GS-I (Lab)
MGL
HA
WGA
SSL(Lab)
mouse Galectin-7
SSL1
Monoclon Ab
Epa1-Np mutant E222A
PNA
PHA-L
EEL
ACG
CTB
rNV VP1-HPA
Native HPA
human Galectin-7
HPA
PFL
VGA(EY Lab)
DBA
Gal-3C
BTL (Lab)
VLRB.aGC.23
DC-ASGPR Anti
Mono1-CNL
TbfB-M
NOA
GSL-2
rSRL
Human Galectin-1
Galectin-3
Mono2W-CNL
PTA-E
LCA
WT-LOG
ME7(detected with a-WGA)
MMA
MMA-M
STL
WGA multimer
PTA-F
ME5(detected with a-HPA)
BoaLec
GNA (EY Lab)
NPA
HHA(EY Lab)
SCA
DSA
AHL
ConA

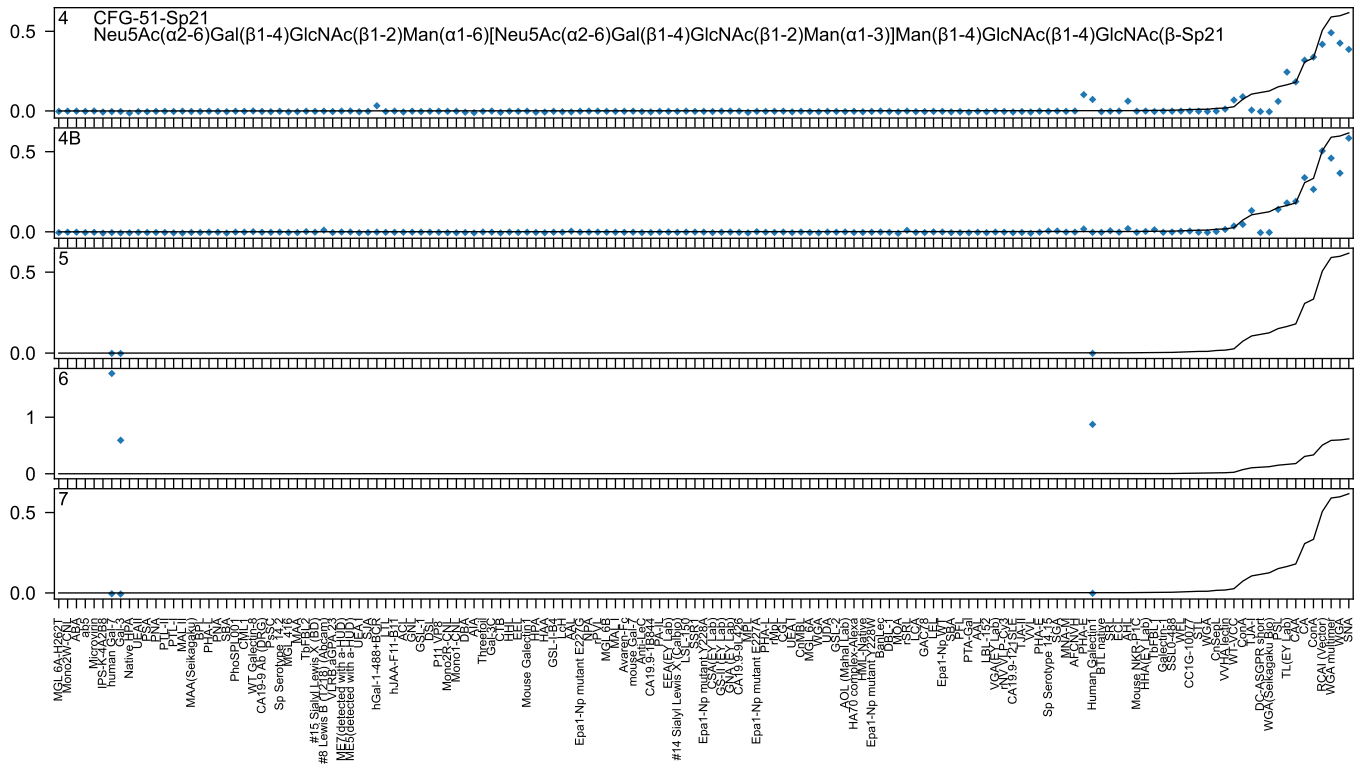

4
CFG-48-Sp13
Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp13
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
SBA
PNA
PHA-L
DBA
BPL
HPA
UEA-I
IBS-K-10-288
abo
CA19.9-Sd(a+)288
AAL
UEA-I
MAL
MAL-I
MAL-II
PTA-E
PNA
RCA-I
MGL-6A
RCA(EY Lab)-B2
ACL-VVL
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Mouse Galectin1
PhoSPL
VVL
CML-1
rNV VL
PT-1
Mouse NKR-P1C
Sp Serotype 14 (Kaplio)
#14 Sialyl Lewis X (6D)
#15 Sialyl Lewis X (6D)
#8 Lewis B (1418) (Abcam)
Sp Serotype 14 (Kaplio)
CA19.9-15-9-1
CA19.9-15-9-2
AnnLeC
HA70 complex
Alexa
Thrombo
CA19.9 Ab (Lab)
CA19.9-12/SCLE
WT Galectin-8
mouse Gal-1
Epa1-Np mutant Y228W
SJA
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
Epa1-Np mutant E227G
Epa1-N227A
TxLE
Avaren-Fc
MGL-1/8
PHA-E
hGal-1-48-Fc
VVA Lectin
CGL
PTG
DEA
GS-I
CSA(EY Lab)
HPA
VIA
WT
human Galectin-1
MAA(Sellagakui)
PHA-E
SSA
DC-ASGPR sinor
PAA
PSL
CaseP
VLRB (EY Lab)
GS-I (EY Lab)
Native HPA
EEA(EY Lab)
PAL
TL(EY Lab)
Mono1-CNL
Vicia-Fc
WGA(Sellagakui Lab)
AAL
Mono2W-CNL
Galectin-1
Mono2W-CNL
WGA
GalC-2
HML-Native
NCA
DSL
PSA
AOL(Mitsui Lab)
LCA-T
SNA
Human Galectin1
CML1
TxFBL1
WT-WGC
LCA
BTL native
MNA-M
SJA
STL
TxWGA
ME7(detected with a-HuD)
RSL
SBT
SEL
GN
ME5(detected with a-HuD)
BanLec
UEA
NPA
GNA (EY Lab)
ConA
HHA(EY Lab)
SGA
Gnnin
WGA mutant
AHL

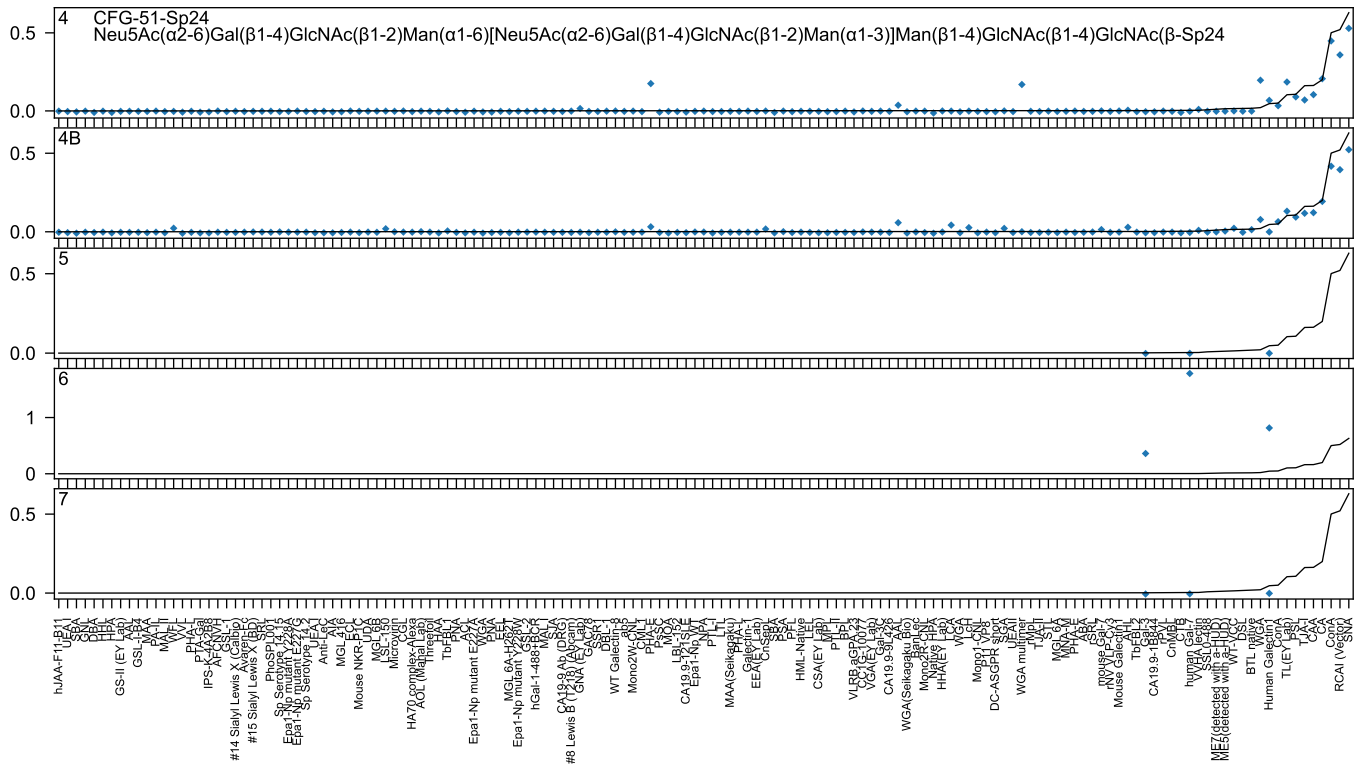

4
CFG-49-Sp12
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
mouse Gal-3
Gal-3
Gal-1
MOR-1
WGA(Seikagaku, Bio)
VVL
TJA-I
RCA I (Vector)
SBA
PNA
PTA-E
MAL I
MAL II
CA19.9-12
SLE
IPS-K-4A238
AOL (Mario Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant P228A
CA19-9 Ab (DRG)
Ave-Ab
hGal-1-488+BCR
#14 Sialyl Lewis X (CIBB)
#8 Lewis B (T218) (Ancram)
UEA
SBA
BPL
BPL
abp
MGL
BA-H2B27
hJAA-F11
BTA
P11
VB
WGA
AAL
Human Galectin-1
GSL-I
DBA
ACL
Thrombin
HPA
CSA(EY Lab)
UEA-I
Sp Serotype 14-2
Sp Serotype 1-3
WT Galectin-8
EEA
EBV Lac
PHL
HMA
WHA
Mouse NKR-P1C
UDA
MGL
Native PHA
PSA
human Gal-7
HA70 conjugated
CTB-asialo-GM1
CA19.9-1.428
HT-1
AAL
Epa1-Np mutant Y229A
LSL-150
MPA
Galectin-3
AF-CNVH
CNL1
PNA
Microvillin
LBL-1/B3
GNL
Galectin-1
PHA-L
CSL-CBM
Mono2W-CBM
Sp Serotype 14-2
PAC-1
GALGal
MAA(Seikagaku)
VVA
HAA
DC-ASGPR
(YAKEY Lab)
Mono1
NOX
DSL
Mono2W-488
SSL10-488
DSA
DEAI
MGL 416
Mouse Galectin-1
NPA
PHA-E
MNA-M
GS-II (EY Lab)
BTL (native)
nNV VP1 P2-D3
Epa1-Np mutant E227G
ME7(detected with a-HUD)
CC1G-1024
GSL-I
TJA-I
GNA (EY Lab)
HHA(EY Lab)
ME5(detected with a-HUD)
ABA
WT-PVY
CnMBL
SBL
SSL
CAA
SSR1
WGA
TbFBP
ACA
WGA multimer

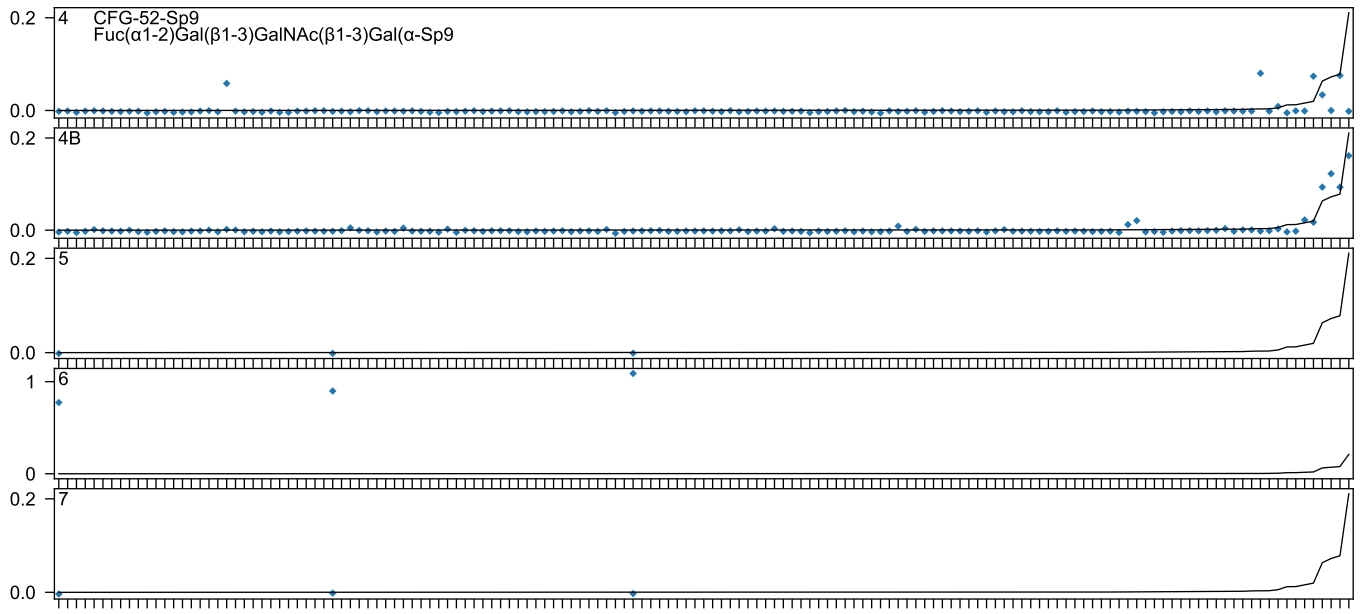

4
CFG-49-Sp13
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp13
4B
5
6
7
0.5
0.0
1
0
hJAA-F11 B1
GSL-I B4
LSL-AA
DBL
VGA(EY Lab)
MAA
UEA I
MAL II
PNA
PHA-E
PHA-L
STA
PTL-I
BPA
ECA
ESA
SNA
PWA
HPA
EEA(EY Lab)
WFA
HAA
LBL
DBA
Anti-LEC
Epa1-Np mutant
Human Galectin-1
Gal-3
APA
human Gal-7
PhoSPL001
mouse Gal-7
Tomato Lec
UEA I
WT Galectin-3
CA19.9-1B244
Mouse Gal-1 VPB
iPSC-4-A2B9
Sp Serotype 14 2
abs
Native gp
#15 Sialyl Lewis X (BD)
VLRB.aGPA
MGL 416
GSL-I
ACL
CML
MAA(Seikagaku)
Epa1-Np mutant Y228A
PSL
#14 Sialyl Lewis X (Calbiochem)
GSA (EY Lab)
Mouse Gal-1 (EY Lab)
MGL 6A-H2621
HA70 complex
Galectin-1
VVA lectin
VVA lectin
Epa1-Np mutant
Epa1-Np mutant
CA19.9-1F5LE
CA19.9-1F4
Mouse Nc-DRG
CA19.9-1F428
Epa1-Np mutant E417S
Sp Serotype 14 2
Mouse Gal-7 CONI
WGA(Seikagaku Bio)
#8 Lewis B (12187)(Abcam)
Gal-3C
GAL
hGal-1-488 (BD)
AOL (Mahal Lab)
Mono1-LSL
DC-ASGPR
HML-R lectin
WGA
CTB
RCAI (Vector)
Ban lec
SNL
PTA-Gal
rNV VP1
NAA
PHA-E
Avi-Gal (EY Lab)
GS-II (EY Lab)
TcB-L1
BTL
NPA
ME7(detected with 1-1007)
CCL6 (1-1007)
GSL-2
LCA
PSL
PNA
ConBr
HHA (EY Lab)
ME5(detected with 1-1007)
ABA
GNA (EY Lab)
WT Galectin-7
SSA
UDA
CVN
Tcp-BL2
Vicia
TL(EY Lab)
AHL
WGA multimer

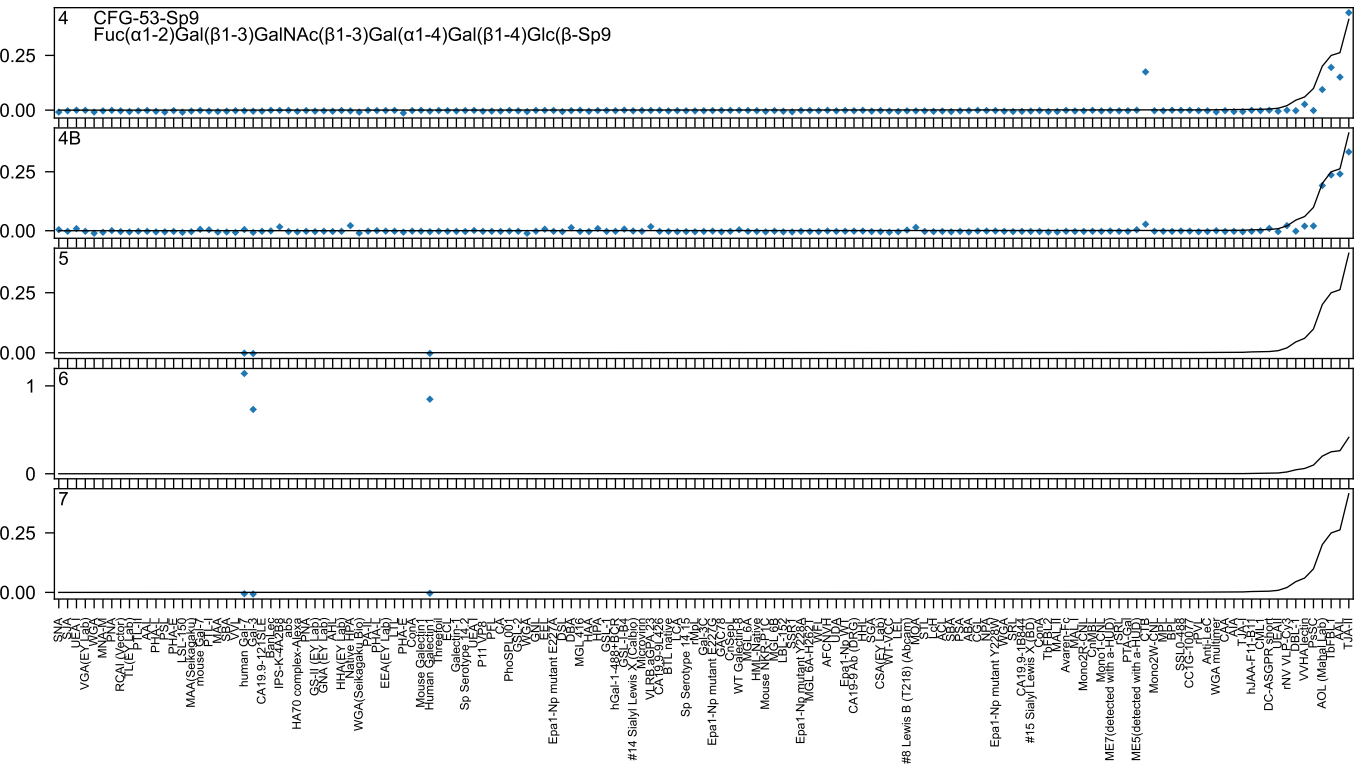

4
CFG-50-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
SVA
PVT
DBL-1
MOR-6a
Native
tBT-BDA
PAA-II
IPS-K-4A2B3
UDA
SBA
RCA
PNA
PPT-I
PHA-E
MAL-I
MAA
aab
EEA(EY Lab)
Epa1-Np mutant E227A
Ab (DRG)
CA19-9 Ab (DRG)
Avaren-1-6
AOL
#14 Sialyl Lewis X(Calbiochem)
APOA
APOA-BA
INV-VLP-CX3
ME7(detected with a-HJD)
ME5(detected with a-HJD)
UEA
SJA
SBA
RCA
VLRB.aGPA.23
VLRB.aGPA.3
MGL.6A-HIS
hJAA.F11.B11
GSL-2
MEL
DBA
UEA-I
CSA(EY Lab)
P11
Mono2R-CNL
CTB
AAL
Mouse NKR-P1C
ASL-I-B4
Epa1-Np mutant E227G
VGA(EY Lab)
CA19-9 - 18B44
Epa1-Np mutant Y228A
HPA
HA2
Sp Serotype 1
VGA
WGA
HML - Native
MVL
UJA-II
#15 Sialyl Lewis X(BD)
LSL-150
AOL (Maha Lab)
LSL-I
WT Gal-1-B
Mono2W-CNL
Sp Serotype CM17
MOL
VVL
PSL
LEL
#8 Lewis B (T218) (Abcam)
CA19.9-121SLE
GS-II (EY Lab)
GAC78
HA70 complex-Alexa
MGL-I-488
MGL-I-488
BanLec
MAA(Seikagaku)
VGA
VGA
PHAL
Gal-2C
Epa1-Np mutant Y228W
CNL
WGA(Seikagaku)
CNL
hGal-1-488-PEG
NPA
MGA
MGA
Gal-3
Tb-BL2
DC-ASGPR short
BTL native
sSSR1
LS-I
Epa1-Np WT
Mouse Galectin1
SGA
GNA(EY Lab)
Gal-1 (OT)
SSR
VVHA lectin
human Gal7
WT-VVC
CoA
HHA(EY Lab)
CoA
CC1G-10077
PHA-E
Human Galectin-7
Galectin
mouse Gal7
TL(EY Lab)
CVN
VVA
VCA
RCAI (Vector)
WGA multimer

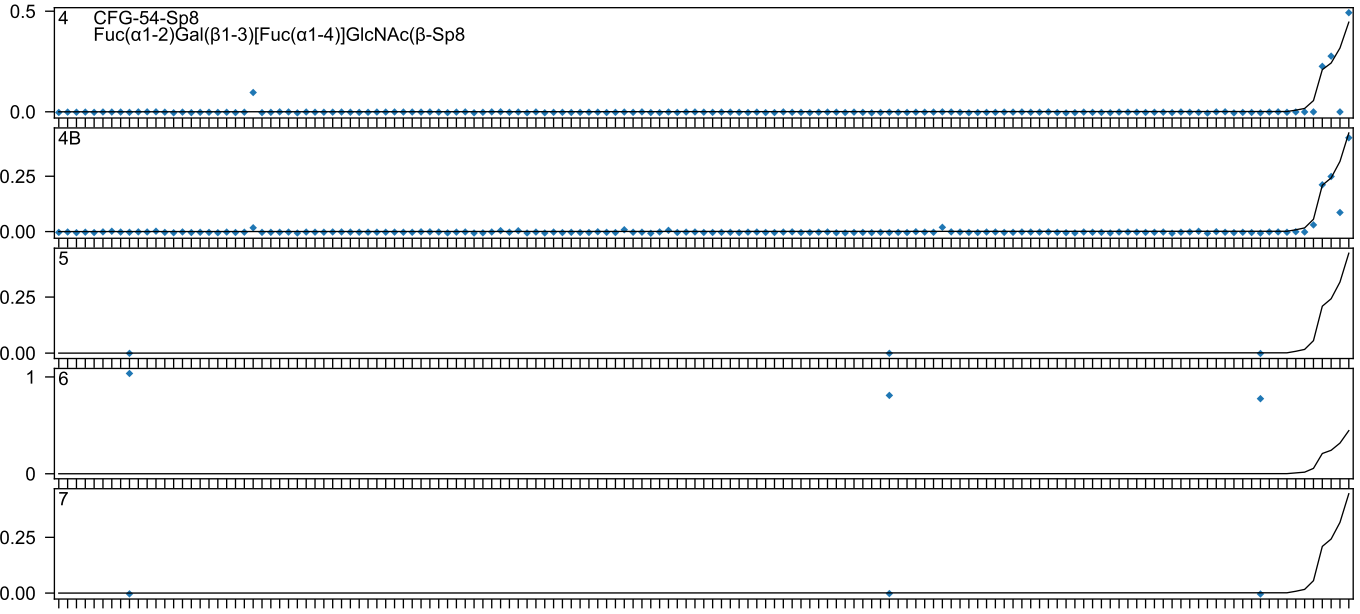

4 CFG-51-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
MGI (PA-TEAM)
GSL-I (A)
BPL
Mono2W-ABA
AOL (Mahal Lab)
Microvigin
IPSC-K42B3
PNA
EEA(EY Lab)
HA70 complex
Nigrin
Native-PPA
PAA
PAL
UDA
PHA
RCA
DBL-1
HHA(EY Lab)
PHL
PWA
CrPV
Epa1-Np mutant E224A
Epa1-Np mutant F208A
WT Galectin-8
CA19-9 Ab
IPSC-K
SBA
SSL
Sp Serotype 14 T5
Sp Serotype 14 T2
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
VLRB aq1-163
ME5(detected with a-HUD)
WGA
UEA
SBA
PTA-Gal
hJAA-F11-B11
GSL-I
MPL
GSL-I-B4
CSA(EY Lab)
HAA
DBA
EEL
Mouse NKR-P1C
PFL
ACL
Mono2R-CNL
NPA
CTB
ALA
Mouse Galectin-1
ECL
MAA(Seikagaku)
WFA
UEA-I
UEA-I
Ann-Lec
MAL-I
PHA-E
PHA-L
Epa1-Np mutant E224F
CC1G-CNL
AIL-CNL
PHA-E
CnuSA
HML-Native
Orf-Galectin-6
UEA-I
UEA-II
CML1
#8 Lewis B (BD)
CA19-9 (EY Lab)
CA19-9 (PSTE)
Avas-LFY
DSL
CA19-9-IgM
PBL-152
human CGG
Epa1-Np mutant V228G
VGA
LCH
Bauhinia
VGA(EY Lab)
MGL-418
hGal-1-488-PCA
Epa1-ThPRL2
NAA-M
Mono1-CNL
Human-Galectin-1
WGA(Seikagaku)
BJP
CA19-9-TSSB24
P11-VP8
SVL
MNA-M
GNA
ME7(detected with a-HUD)
rNV VLP-HUD
AAL
Gal-3
BTL
DC-ASGPR-sigl
SSA
VVA
WGA
Wheat germ
WGA
TL(EY Lab)
PorA
PSL
LCA
CA
RCA
RCAI (Vector)
SNA

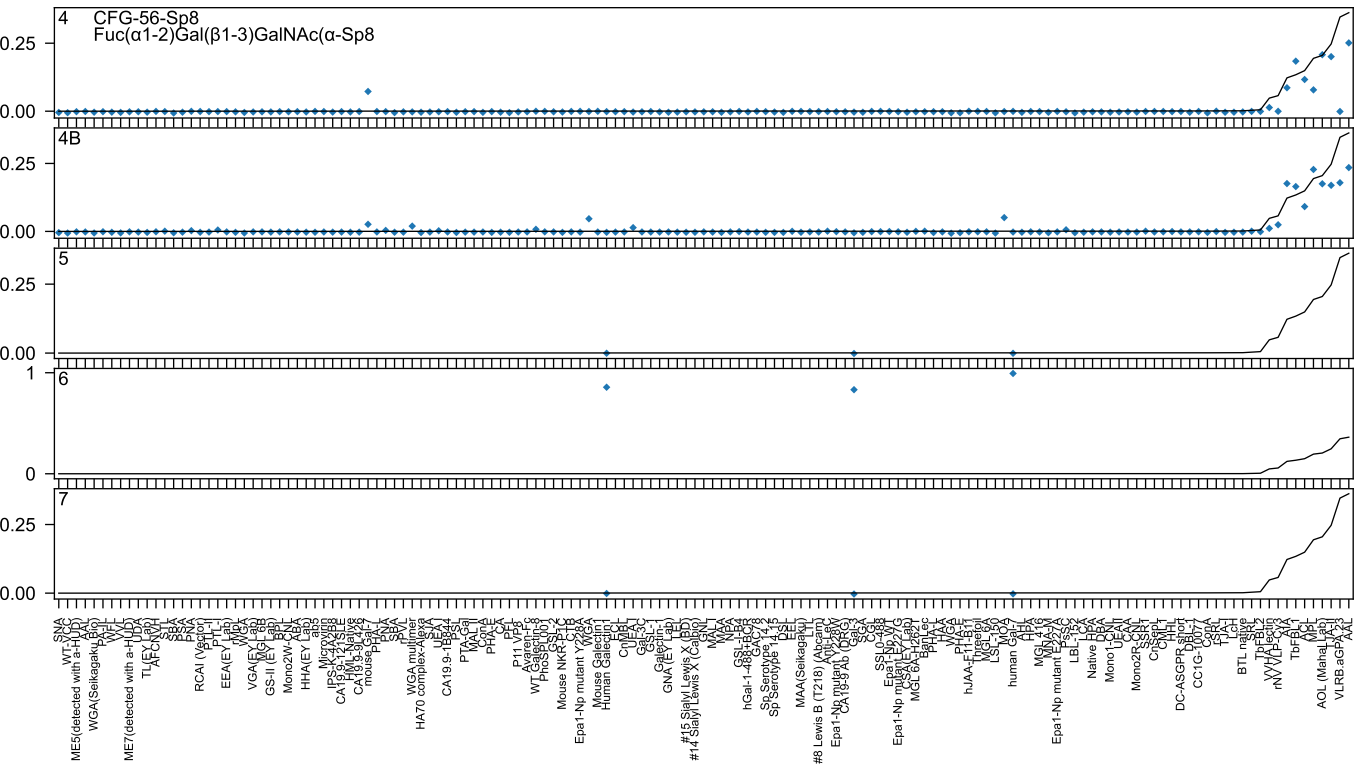

4
CFG-51-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp21
4B
5
6
7
0.5
0.0
1
0
MGL-6A-H2O7
Mono2-XN
AbA
ABA
aleo
IPS-K4A2B3
Microvil
human Gal-3
Native LEA
UEA
PSA
PTA
PNA
MPL
MAA(Seikagaku)
BP
PHA
PhoSPL
SBA
CML1
WT Galectin-1
CA19.9 X6
CA19.9 X5
Sp Serotype 1
Sp Serotype 2
WGA 416
TxLA
#15 Sialyl Lewis X (BD)
#8 Lewis B (Calbiochem)
MEL(detected with a-HUD)
MEG(detected with a-HUD)
UEA1
hGal-1-488+sCA
hT
hJAA-F11
BS1
SNL
GNL
DSL
PJ1 VB8
Mono2-CNL
Mono1-CNL
DBA
Threelgl
GalC8
EEL
Mouse Galectin1
HPA
GSL-I-B4
AAL
Epa1-Np mutant E227G
PVA
MOMP
MGAL8
Avarep-Fc
mouse Gal-7
CA19.9-1B844
PSA1
EEA(EY Lab)
#14 Sialyl Lewis X (Calbio)
LS-Ss81
Epa1-Np mutant Y228A
GSL-I(EY Lab)
GSL-II(EY Lab)
CA19.9-9J1
Epa1-Np mutant F227A
MPL
ABL
UEA1
MAA(Seikagaku)
WGA
GSL-I
HA/70 control (Maha Lab)
AOL (Maha Lab)
HMT-Native
Epa1-Np mutant Y228W
BS-1
ISA
LCA
GNA
LEL
Epa1-Np WT
PEL
PTA-Gal
PTA-F
VGA
IBL-162
VGA(EY Lab)
CA19.9-T21SLE
IVL
VVL
PTA-E
Sp Serotype 4
SGA
APOMVM
PTA-T
Human Gal-1
BTL native
SBL
ABL
Mouse ANEX (Lab)
HPA
ToPBL1
SSA
Sialic-188
WLT
CC1G-1007
STL
VicA
Control
VVA lectin
WGA
CorA
TJA-I
DC-ASGPR (R&D)
WGA(Seikagaku)
BPL
TL(EY Lab)
PSL
CAA
ConA
RCA I (Vector)
WGA mutant
WGA
SNA

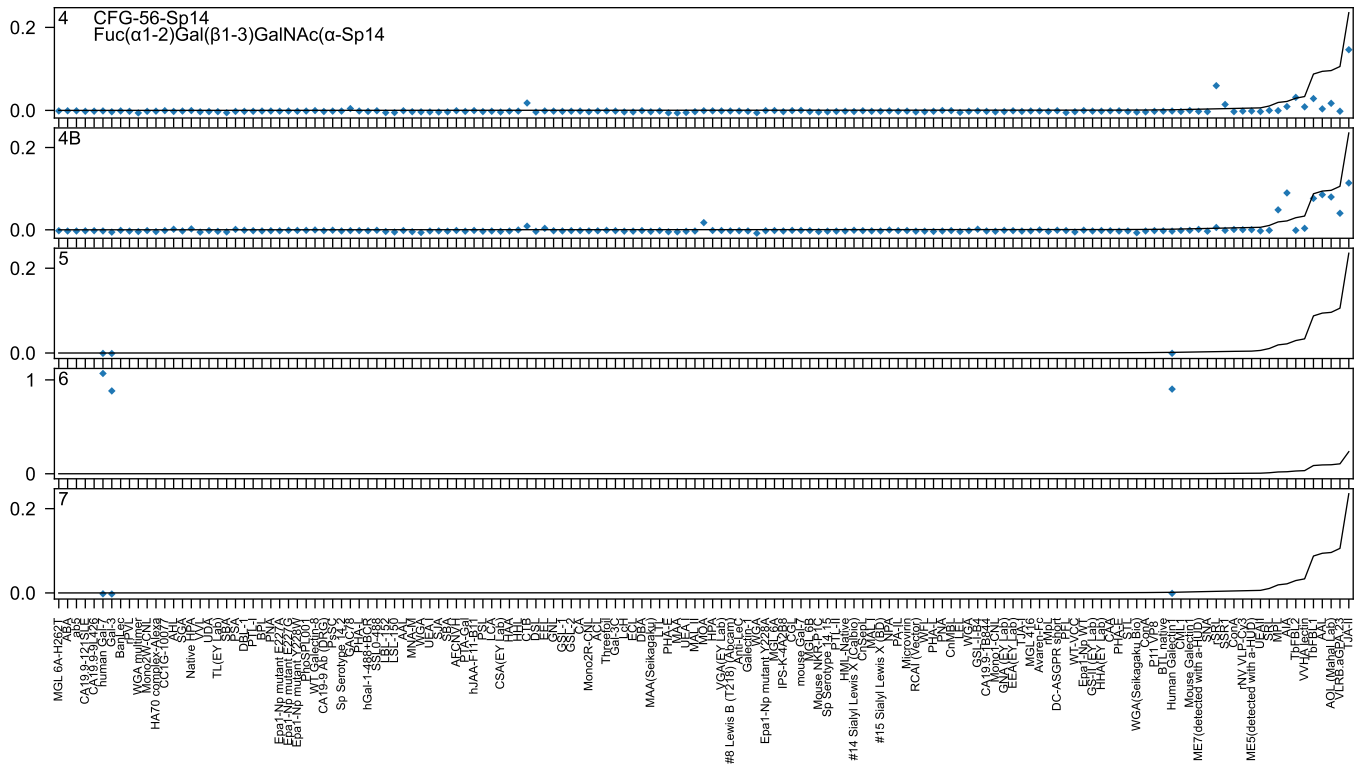

4
CFG-51-Sp24
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
B41
UDA
SBA
WGA
DBA
HPA
GS-II (EY Lab)
GSL-I-B4
MAA
MAL II
VVL
PHA-L
PTA
IPS-K (Carbio)
#14 Sialyl Lewis X (Carbio)
#15 Sialyl Lewis X (Carbio)
PhoSPD001
So Seromm
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
Sp serovar D
UEA I
Amb I
AIA
MGL 416
Mouse NKR-P1C
MGL 1/2
MGL 1/6
ISL-150
Microvidin
HA70 complex-Alexa
AOL (Marine Lab)
Tb
HHA
PNA
Epa1-Np mutant E227A
WGA
EEA
MGL 6A-H287
Epa1-Np mutant T228A
GSL-I-A4
hGal-1-488
ECA
NeuA
STA
CA19.9 (Ab Lab)
B7-18 (EY Lab)
GNA (EY Lab)
#8 Lewis B
SSA
DBL-1
Galectin-8
WT Galectin-1
Mono2VC-KNT
abs
PHA-E
RCA
CA19.9-152
Epa1-Np WT
PNA
LTL
MAA(Seikagaku Biochem)
Galectin-1
EEA(Cnsab)
BSA
SBA
PPL
HML-Native
CSA(EY Lab)
PL
PWM
PI
BPL
VLRB aGP-1
CCL2 (E-10077)
VGA(EY Lab)
CA19.9-9F426
WGA(Seikagaku Biochem)
Barley
Mono2VC-KNT
Native HPA
HHA(EY Lab)
WGA
VGA
Mogo1-CRD
PTL
VPS
DC-ASGPR
SJA
UEA I
WGA mutant
TJA I
TJA II
MGL 9A
MAA II
ABA
GNA
mouse Gal-7
INV GP-CK13
Mouse Galectin-1
AIL
TcBL-2
CA19.9-1B44
CnMBL
CnMBL
GalT8
human GalT8
VVA actin
SSL-1H88
MEZ(detected with a-HUD)
MEB(detected with a-HUD)
WT-DSG
DSG
BTL native
Human Galectin1
TL(EY Lab)
PSL
TCA
CA
CA
RCAI (Vector)
SNA

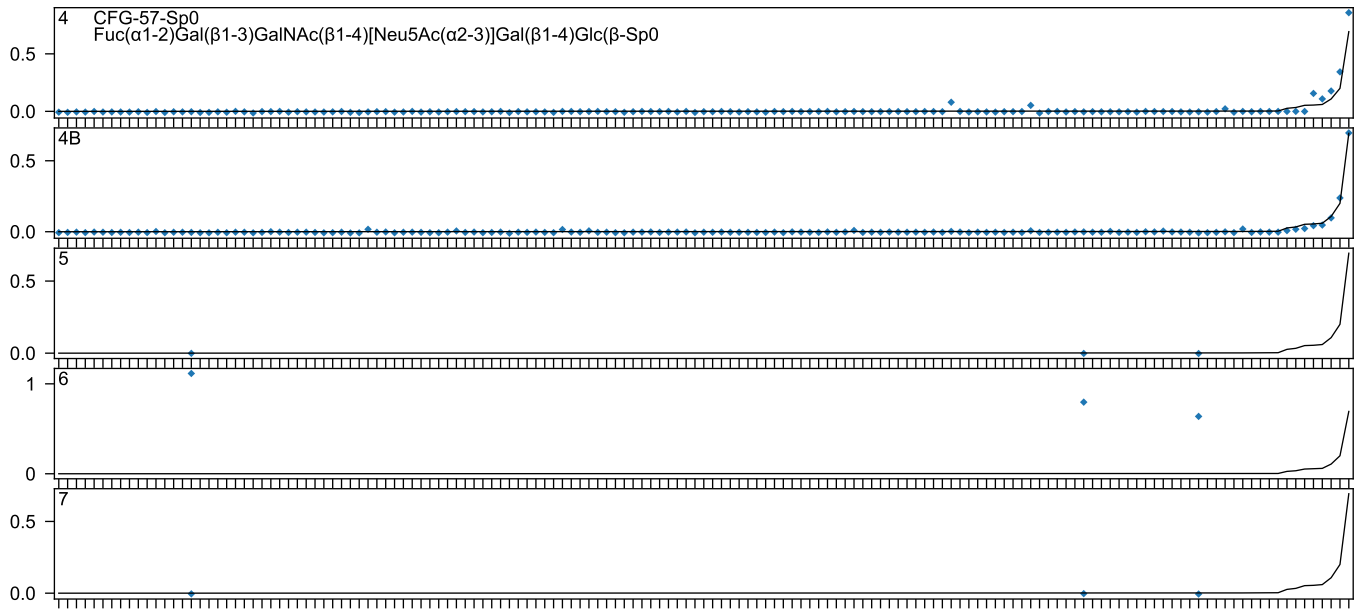

4
CFG-52-Sp9
Fuc(α1-2)Gal(β1-3)GalNAc(β1-3)Gal(α-Sp9
4B
5
6
7
0.2
0.0
1
0
Gal-3
Gal-8
MGL(Seikagaku Bio)
BP
GSL-I-B4
hGal-1-CBB
#14 Sialyl Lewis X(Calbio)
NVP
MAA
MAA(Seikagaku)
LBL-182
SSRT
ME5(detected with a-PUD)
UEA-I
Native HPA
LA-1
SBA
PNA
LSL-I
DSL
aOG
Epa1-Np mutant E227A
Epa1-Np mutant Galectin
human Galectin-8
Bauhinia
WT Galectin-8
HA70 complex hemagglutinin
PAA
Sp Serotype 4
IPS-K-4A2B8
PCA
CA19.9-12-5
SPA
PCA
Epa1-Np mutant E227A/G
#15 Sialyl Lewis X (Ibo)
CA19.9-9-1
EEA
CGL
Mouse NKR-B1C
CA19-9 Ab (DRG)
Galectin-9
PhoSPG
OOA
DOA
Con A
Sp Serotype 4 GAC78
GAC78
HML-Native
human galectin-8
Epa1-Np mutant E227A
CML-1
PNA
PSY
HPA
TbFBP
VGA(EY Lab)
HPA
#8 Lewis B (T218) (Abcam)
STL
GNA
GNA (EY Lab)
PHA-L
PHA-E
GS-II (EY Lab)
MGL GALNAC
PEAT
PTGA
CA19.9-18644
RCA (Vector)
Epa1-Np WT
TL(EY Lab)
CSA(EY Lab)
GNL
MPA
mouse Gal-7
GSL-I
FEA(EY Lab)
Mono25-CNL
Mouse Galectin-1
HHA(EY Lab)
MAL-I
LCA
UEA-I
CC1G-1007
CsA
BTL_native
Mono1-CONE
wr-PTL-I
CpoA
VLRB
PSA
WGA number
MGL-68
DBL-1
Mono2W-CNL
SBT-CVBB
rNV VP1-Cy3
MOA
ME7(detected with a-PUD)
Anti-Leb
VVRA
DC-ASGPR sigt
TMT
TbFBL-1
AOL (Mahal Lab)
AIA

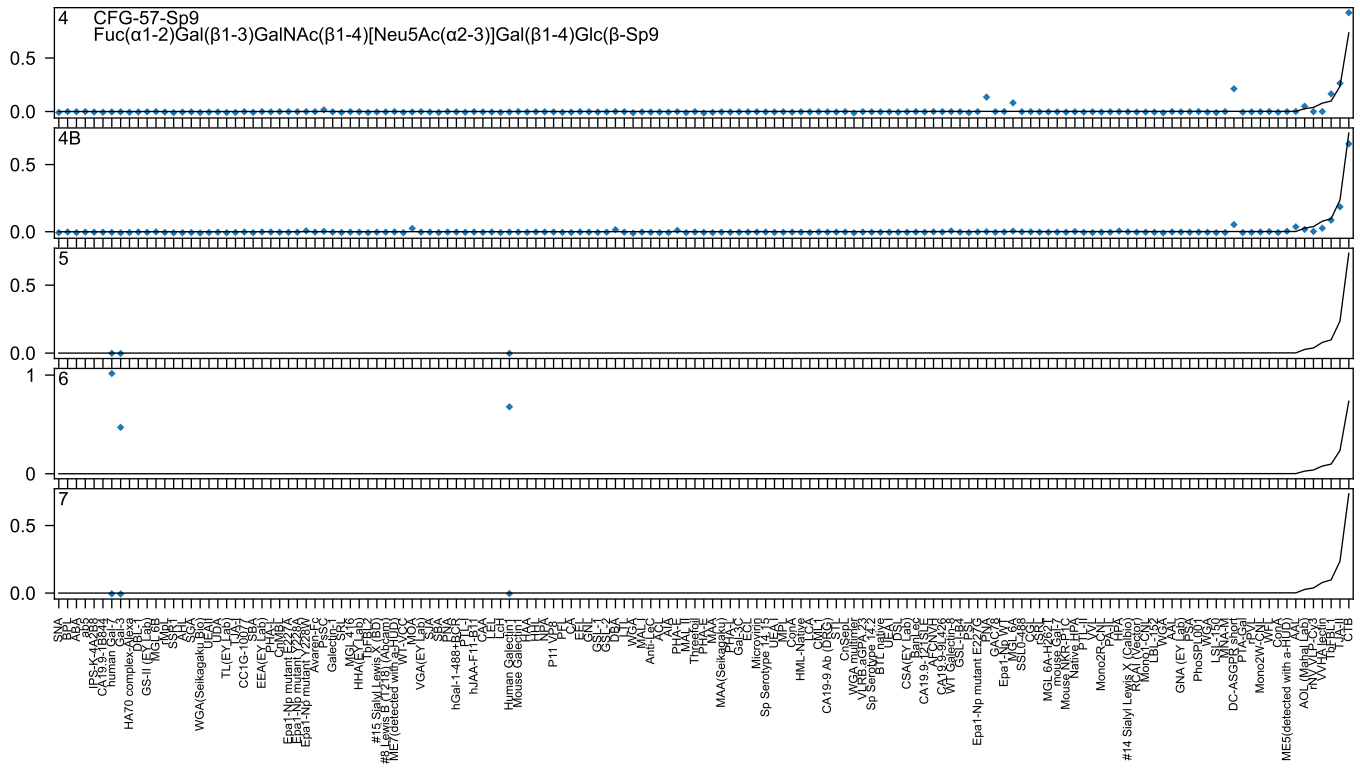

4
CFG-53-Sp9
Fuc(α1-2)Gal(β1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(β-Sp9
4B
5
6
7
0.25
0.00
1
0
SNA
SVA
UEA1
VGA(EY Lab)
VGA
MNA
MAA
RCA(Vector)
LLE(EY Lab)
AAL
PHA-L
PSL
PHA-E
LCA
MAA(Seikagaku)
mouse Gal-7
BAP-7
MAA
SVA
SNA
human Gal-7
CA19.9-12
SSL-E
Kaptin
IPS-K4/B6
HA70 complex-A
ab5
GSL-II (EY Lab)
GNA (EY Lab)
ABL
HHA(EY Lab)
NPA
WGA(Seikagaku,Bio)
PNA-L
EEA(EY Lab)
PNA
PHA-E
Con A
Mouse Galectin-1
Human Galectin-1
Threpol
ECL
Galectin-1
Sp Serotype 14-7
P11
VP8
PCA
PhoSPL001
GNA
GNL
Epa1-Np mutant E227A
DSA
MGL 416
HPA
GBC-1
hGal-1-488
GSL-I B4
#14 Sialyl Lewis M(Calbio)
VLRBaGPA 23
CA19.9-1 Human
B11 Human
Sp Serotype 14-6
LCA
Sp Serotype 14-5
Epa1-Np mutant Gal-3C
GAC78
WT Galectin-8
Mouse NKR-P1C
MGL 6A
MGL 68
LS-55
Epa1-Np mutant H226A
MGL 1A
AFCU
UDA
Epa1-Np mutant
CA19.9 AB (Dako)
PHL
SJA
CSA(EY Lab)
WT-1-CC
#8 Lewis B (T218) (Abcam)
MOA
FSH
ACL
SSA
PSA
ABA
ABA
NPA
Epa1-Np mutant Y226A
SSA
CA19.9-16
#15 Sialyl Lewis X (BD)
TxB2
MALI
Avar
MALT
Mono2R-CNS
Mono1-CNS
ME7(detected with a-HUB)
PTA-Gal
ME5(detected with a-HUB)
Mono2W-CNS
BP
SSL-10189
CCTG-1189
PPV
Anti-LeC
WGA mutant
CAA
LAA
TJA-I
hJAA-F11-B11
DC-ASGPR 3D10
rNV VLP-EAU
DBL21
VVHA-Leg6
AOL (Malta Lab)
TJA-II
TJA-I

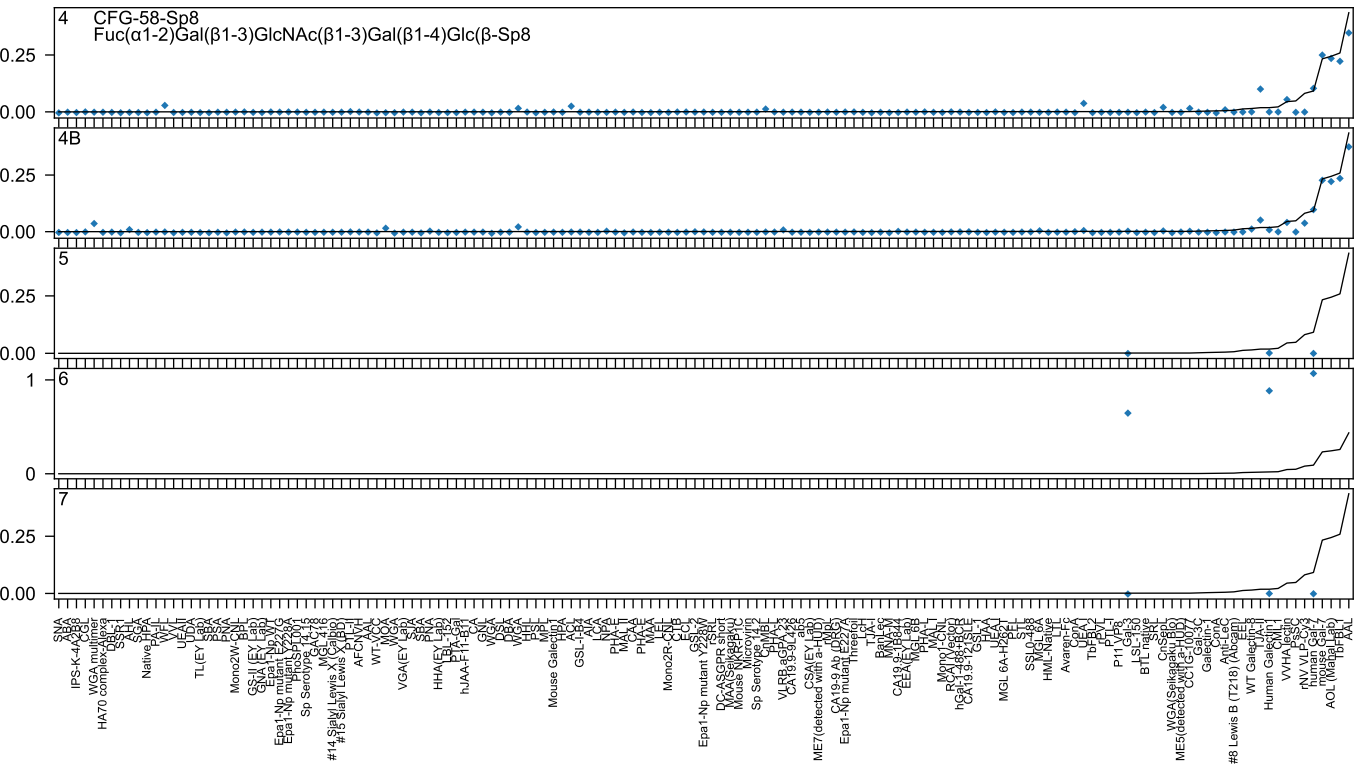

4
CFG-54-Sp8
Fuc(α1-2)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp8
0.5
0.0
4B
0.25
0.00
5
0.25
0.00
6
1
0
7
0.25
0.00
SNA
Mono2W-SNA
ABA
IPS-K-4A-PBS
CA19-9 (Sialyl-Le a)
mouse Gal-7
human Gal-7
BanLec
VVHA mut
HA70 complex-Alexa
CCTG-1-Mgl
Native ABL
WGA(Seikagaku, Big)
UEA II
UDA
TJA-II
TJA-I
GSL-I(EY Lab)
HHA
PNA
RCA
SBA
Con A
Epa1-Nb WT
Epa1-Nb mutant Y229A
Epa1-Nb mutant E227A
Epa1-Nb mutant Y229W
Galectin-1
Sp Serotype 19-2
Sp Serotype 14-2
BTL native
MGL 4-18
#15 Sialyl Lewis X (Calbiochem)
MSL(Calbiochem)
ME7(detected with Jr-HUD)
LBL-HUD
AAL
ME5(detected with Jr-HUD)
VGA(EY Lab)
WGA
#14 Sialyl Lewis X (Calbiochem)
SJA
hJAA-F11
BYA
NPA
VFA
P11
LCH
GSL-I-B4
PSL
CSA(EY Lab)
hPA
Mouse Galectin-3
WGA
WGA
WGA
DSA
CGA
CGA
MPA
PSA
MAA
RCAI (Vector)
AmPH-L
PHA-L
PTG-Gal-1
UEA
ACL
PHA-E
PHA-L
MAL II
AIA
MAA(Seikagaku)
PCL
RPA-E
Mouse NK-RPA-E
Human Galectin-1
CrA
CrA
VVRB aGP-23
WGA(Vector)
Microvirin
CA19-9 Ab (Pierce)
CA19-9 Ab (Pierce)
TL(EY Lab)
VVL
MGL-LBB
GALT6
HML-Native
GNA (EY Lab)
ABA (EY Lab)
ABA
SSL
MVA
MGL 6A-HUD
BP
Galectin-3C
MOA
Thrombospondin
EEA(EY Lab)
Mono1-CKK
Epa1-Nb mutant Y229A
hGal-1-86+-WVL
AvarecEC
DC-ASGPR short
WT Galectin-1
PHL-I
Mono2R-CNE
SGA
GSL-2
PhoSL(01)
CML
[NV VL PBC]
AOL (Malaga Lab)
#8 Lewis B (T218) (Abcam)
AAL

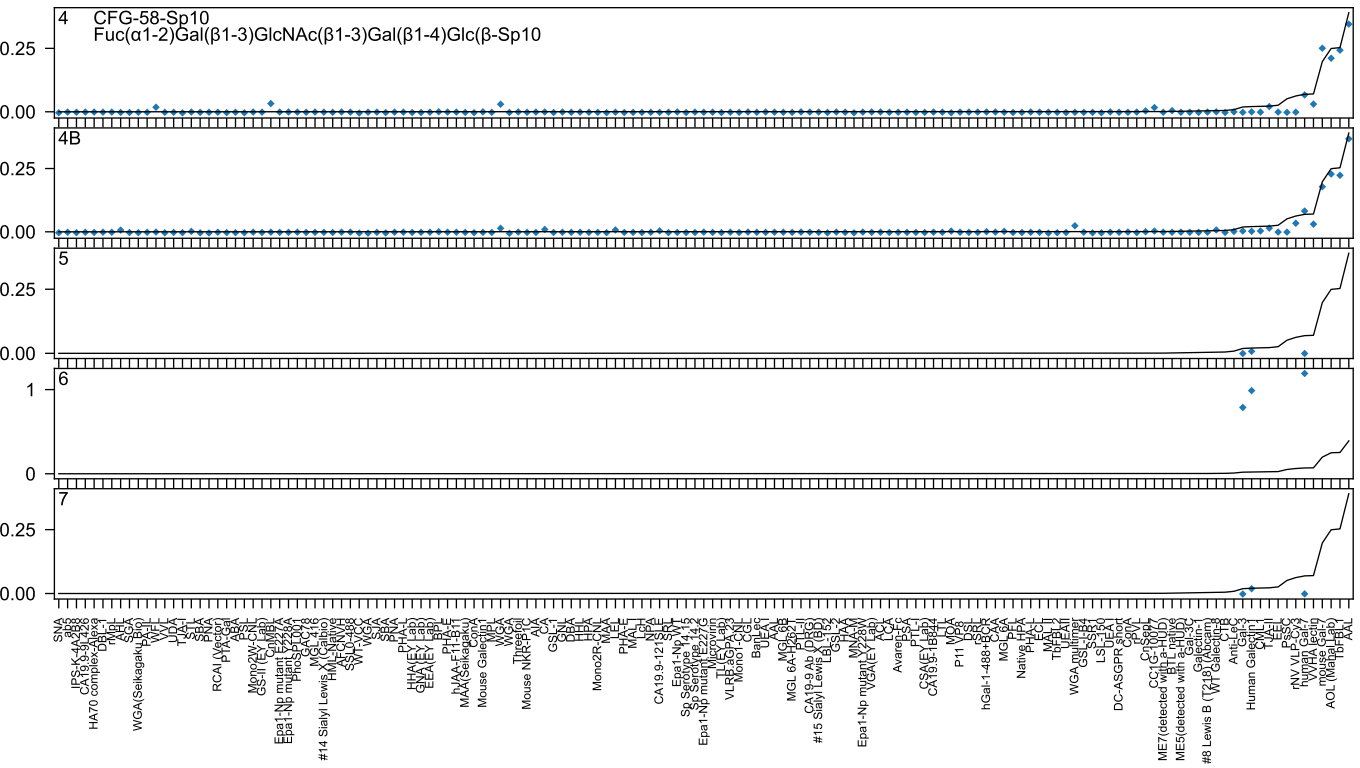

4
CFG-56-Sp8
Fuc(α1-2)Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.25
0.00
1
0
SNA
WT-SNA
ME5(detected with a-HUD)
WGA(Seikagaku, Bio)
PAL
WVF
ME7(detected with a-HUD)
TL(EY Lab)
APC
SJA
SBA
PNA
RCAI (Vector)
PTL-I
EEA(EY Lab)
WGA
VGA(EY Lab)
VGA(EY Lab)
GS-II (EY Lab)
Mono2W-CNT
HHA(EY Lab)
aB5
IPS-MCP/PBB
CA19.9-12/SLE
CA19.9-9/428
mouse Gal-7
PNA
SNA
WGA multimer
HA70 complex-Alexa
UEA I
CA19.9 - hu
PSA
MAA(Cal)
PHA-E
CoA
PHA-L
P11
PPL
Avren-Fc
WT-Galectin-3
Proteinase K
GSL-2
Mouse NKR-C1B
Epa1-Np mutant Y228A
Mouse Galectin-1
Human Galectin-1
Con A
GNA
GSL-1
GNA(EY Lab)
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
GNL
MAA
NPA
GSL-I-B4
hGal-1-488+BCB
CA19.9
Sp Serotype 14,2
sp Serotype 14,15
LEL
MAA(Seikagaku)
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y228V
CA19-9 Ab (ORG)
SBA
SSLO Cas8
Epa1-Np mutant Y228A
Epa1-Np mutant EY7-1G
MGL6A-H2621
BPA
PHA-E
VVA
WGA
PHA-E
hJAA-FITC-B1
MGL6A
LSL-6A
MGA
human Gal-7
HPA
MGL4A
Epa1-Np mutant E222A
LBL-332
Native DBA
DBA
Mono1-CNT
CAA
Mono2P-CNT
CNBP
CHIT
DC-ASGPR pilot
CC1G-10077
CSBA
FJA-1
BTL native
BSL
TbpB
VVH
LEP-100
nVV
OXA
TbfBL1
WGE
AOL (Maha Lab)
VLRB.aGPA
FJ-1
AAL


4
CFG-56-Sp14
Fuc(α1-2)Gal(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
1
0
MGL 6A-H292T
ABA
abo
CA19-9 (21)
CA19-9 (3)
CA125
human Gal-3
Bap-Spec
PNA
WGA multimer
Mono2W-CNE
HA70 cocoon-10039
CCDB-10039
ASA
Native HPA
UDA
TL(EY Lab)
SBA
DBL-1
PSA
BP1
PNA
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
WT Galectin-8
CA19-9 AD
CA19-9
Sp Serotype 14
Sp Serotype 14
PHA-L
PHA-E
hGal-1-488+-188
SBL-188
LSL-188
LSL-AD
MNA-M
UEA-I
SNA
SSA
AECNOH
hJAA-F11-Fab
PSL
CSA(EY Lab)
HAA
CTB
DSL
DBL
GNL
GSL-I-2
GSL-I
Mono2R-CNE
ACL
Tricelgal
Gal-8
LCH
DBA
MAA(Seikagaku)
PHA-E
UEA-I
MAA
MAL-I
NPA
VGA(EY Lab)
#8 Lewis B (T218)
Alt-Lec
Galectin-1
Galectin-7
Epa1-Np mutant Y228A
IPS-K-488
OSA
mouse Gal-8
Mouse NKR-P1C
Sp Serotype 14
PHA-L
HWL-Native
#14 Sialyl Lewis X
CrSP-Sp
#15 Sialyl Lewis X
NPA
Pnn
Microcin
RCA(Vector)
PHA-L
PHA-E
CnMBL
UEA
VVA
GSL-I-2
CA19-9-1B44
GNA(EY Lab)
EEA(EY Lab)
MGL 416
Avarem-Fc
DC-ASGPR sigt
WT-VCC
Epa1-Np WT
GNA(EY Lab)
TH-A(EY Lab)
PNA
PK-CE
STT
WGA(Seikagaku Bio)
P11-VP8
P11-VP8
Human Galectin-9
CXCL1
Mouse Galectin-9
ME7(detected with a-PUD)
SSA
SSR1
SSR1
rNV VLP-CV3
ME5(detected with a-PUD)
UEA
SBL
MPL
TpFBL2
VVH-Lectin
AAL
AOL (Malpa-Lec)
AOL (Malpa-Lec)
ULEA-1
TJA-II

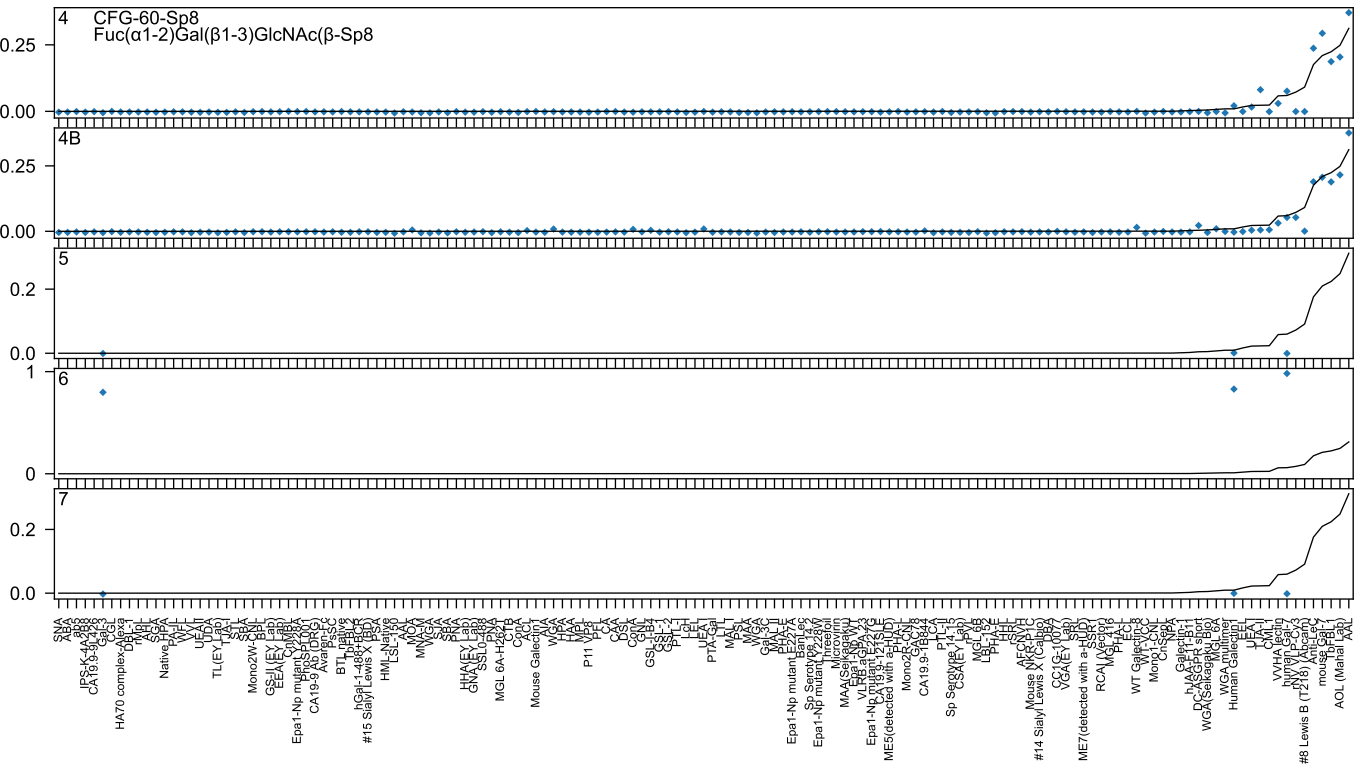

4
CFG-57-Sp0
Fuc(α1-2)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
TJA
SJA
ME7(detected with a-HUD)
RCA(Vector)
#8 Lewis B (T218) (Calbio)
PTL-I
PNA-Gal
BSI
PWM-T
MAA(Seikagaku)
#15 Sialyl Lewis X (Calbio)
human Gal-7
TL(EY Lab)
UEA-I
TL-I
WT
CA19-9 Ab
PSA K-4A288
WGA(EY Lab)
GSA(EY Lab)
PHA-L
PHA-E
SBA
MALA
rMgl
SGA
ACA
WGA(Seikagaku)
UEA-I
#14 Sialyl Lewis X (Calbio)
MPA
Thrombin
VVA
ACL
hGal-1488+aOA
WT Galectin-8
CnSerpin
CA
Mouse Galectin
Epa1-Np mutant Y268A
GSL-1
Sp Serotype 14-15
TbFBL-2
DBA
HPA
HAA
Epa1-Np mutant E227A
GSL-I-B4
UEA
LCH
PhoSPL
PNA
CML-1
CML-2
aOA
CA19-9-1B842
Epa1-Np mutant Y268A
CSSB1
CA19-9 Ab (BRCS)
Epa1-Np mutant E227G
Mouse NK-DSP-1C
CSA(EY Lab)
LBL-I
SBE
EEL
EEA
CGA
MGL-6A1B6
VLRB-A2-21
GAC-78
Mono2-CRC
GNL
EEA(EY Lab)
mouse Gal-7
Sp Serotype 6A
SCTG-P1077
PA-IL
Microvirin
CnSerpin
BPL
HML-NBVE
AAL
UEA-I
P11
PHA-L
CA19-9-12-SE
Galectin-1
MPA
PsSC
PHA-E
hJAA-F11-B11
Mono2-CRC
Human Galectin
Mono1-CRC
RTL (purified)
GNA (EY Lab)
ACL
AAL
SSL0-488
Neu5Ac(HUD)
ME5(detected with a-HUD)
DBL-1
Galectin-4
Gal-3
HHA(EY Lab)
AOL (Mahal Lab)
HA/0 complex-Alexa
PVL
PVT
Epa1-Np mutant
Agaricus-FC
MGL-416
MGL-6B
VVH
Galectin
TbFBL-1
TbFBL-3
DC-ASGPR soluble
CTB

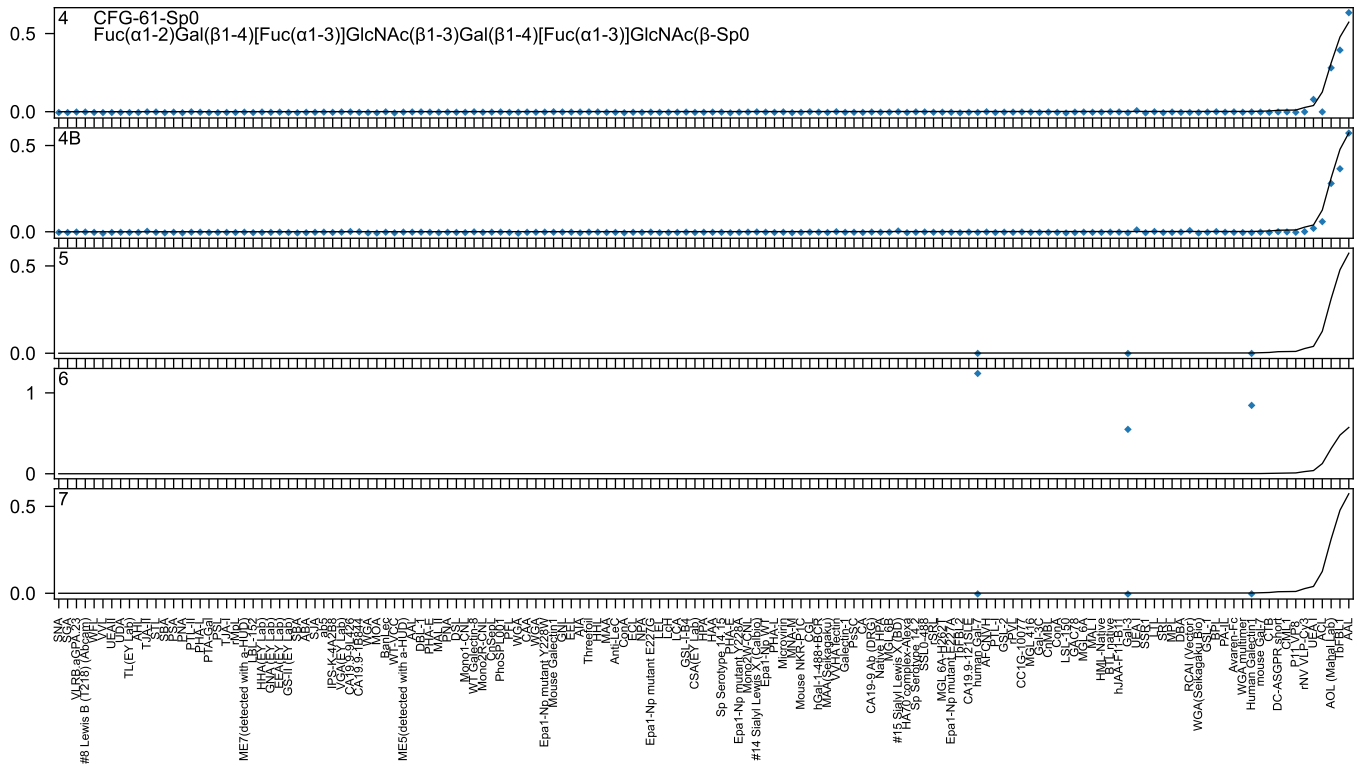

4
CFG-57-Sp9
Fuc(α1-2)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp9
4B
5
6
7
0.0
0.5
1
SNA
SNA-I
ABA
ABA-I
IPS-K-4A-488
CA19.9-1B844
human Gal-3
HA70 complex-Alexa
EY Lab
GS-II (EY Lab)
MGL Lab
SSA
SSA-I
WGA(Seikagaku)
LEA
UDA
TL(EY Lab)
CC1G-10077
STA
EEA(EY Lab)
PHA-L
PHA-E
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Avarap-FC
Galectin-7
SRL
MGL (EY Lab)
HHA(EY Lab)
#15 Sialyl Lewis b (Abcam)
#8 Lewis B (1218) (Abcam)
ME7(detected with a-FUCO)
VGA(EY Lab)
VGA(EY Lab)
MOA
LcA
SBA
SBA-I
hGal-1-488+BCB
hJAA-F11-B11
CAA
LCH
Human Galectin1
Mouse Galectin1
PNA
NPA
VVA
P11
PCA
EEL
GSL-I
GSL-I-B4
LTA
WAC1
Anti-LeC
AIA
PHA-L
PHA-E
Thrombol
PNA
MAAL
MAA(Seikagaku)
GalA
ECL
Micromyx
Sp Serotype 14 (13)
UEA-I
UEA
ConA
HML-Native
CML1
CA19-9 Ab (CnSep)
SSL1
WGA (CnSep)
VRB aGPA 23
Sp Serotype 14-2
BTL (UEA)
UEA1
CSA(EY Lab)
CA19.9-1B844
CA19.9-1B844
AFCNV5
CA19.9-1428
WT Galectin-1
GST-I-B4
Epa1-Np mutant E227G
PNA
Epa1-NG-V1
Epa1-NG-B8
SSL-B8
CGB
MGL 6A-HSGT
mouse Gal-7
Mouse Native
HPA
PL-II
Mono2R-CNL
PAA
#14 Sialyl Lewis X (Calbio)
RCA
Mon(Vector)
LBL-132
VOA
AAA
GNA (EY Lab)
PhoSL(01)
VFA
LSL-B4
MNA-N
DC-ASGPR-Fc-Fusion
PVL
Mono2W-CNL
WFL
ME5(detected with a-FUCO)
AAL
AOL
Mytilus Lec
NPL
VVH
Helix pomatia
TJA-I
TJA-II
CTB

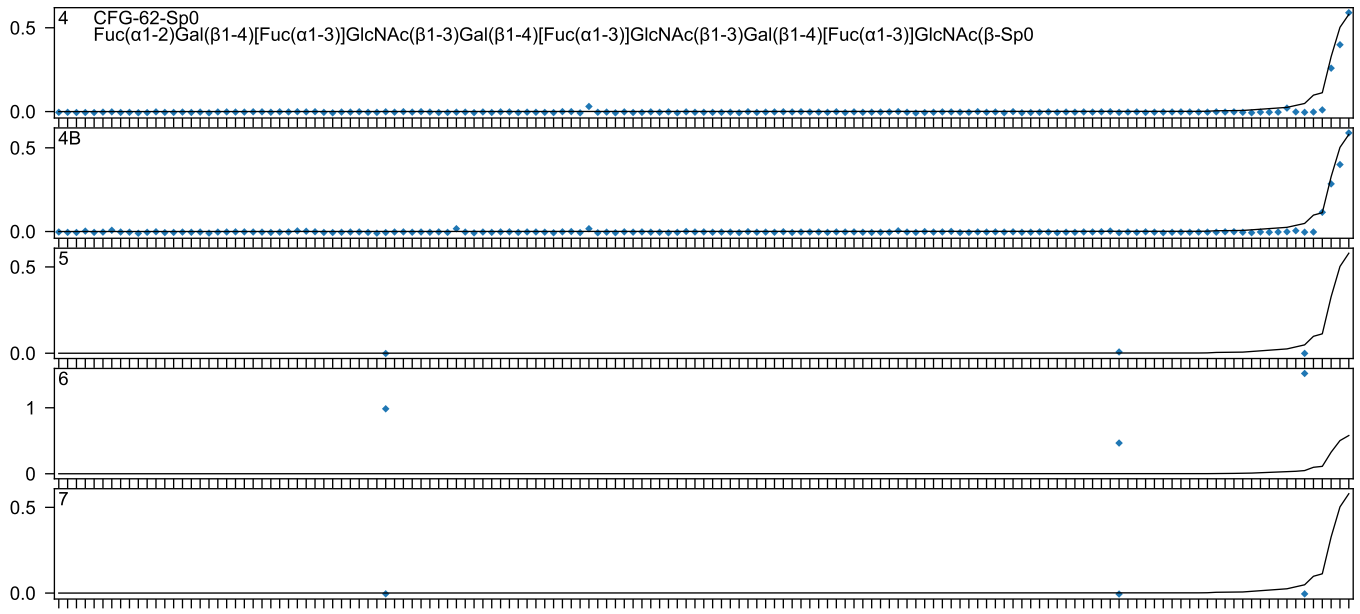

4
CFG-58-Sp8
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.25
0.00
1
0

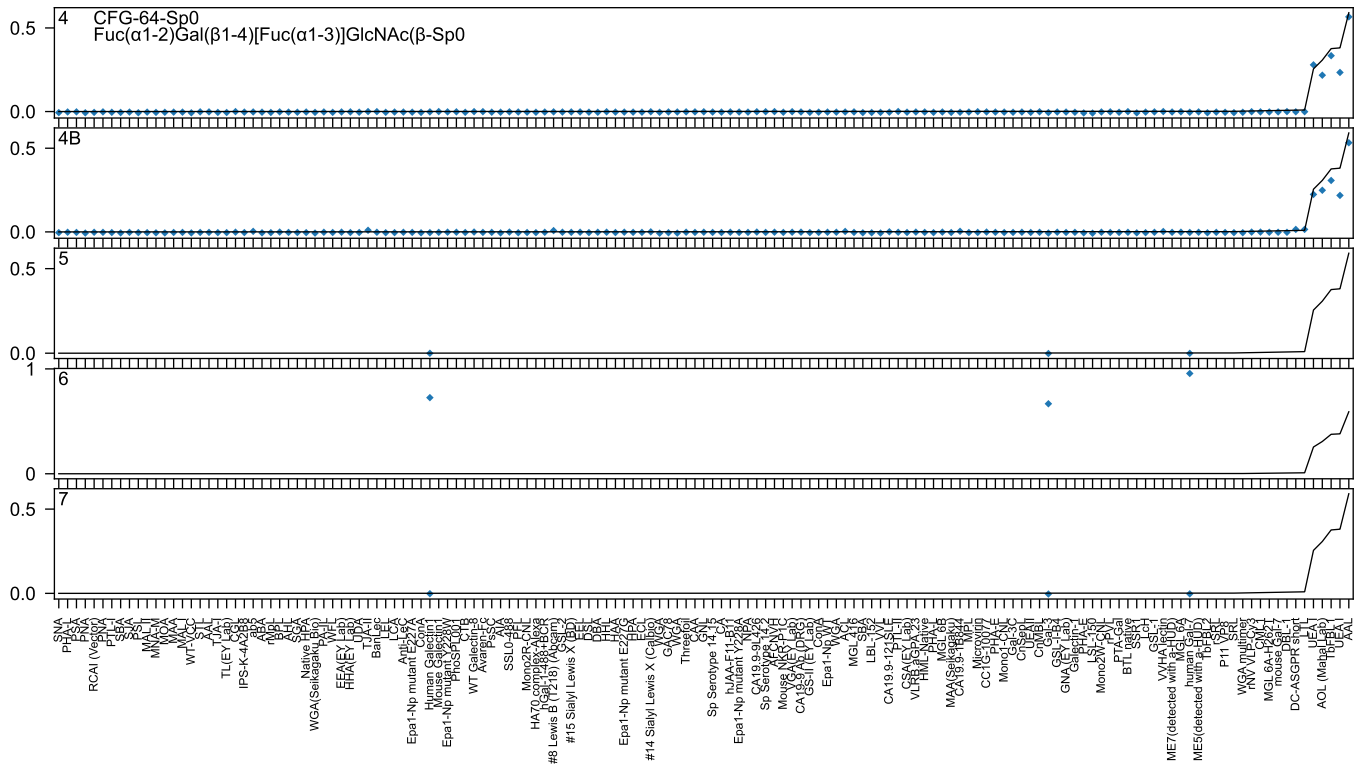

4
CFG-58-Sp10
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp10
4B
5
6
7
0.25
0.00
1
0

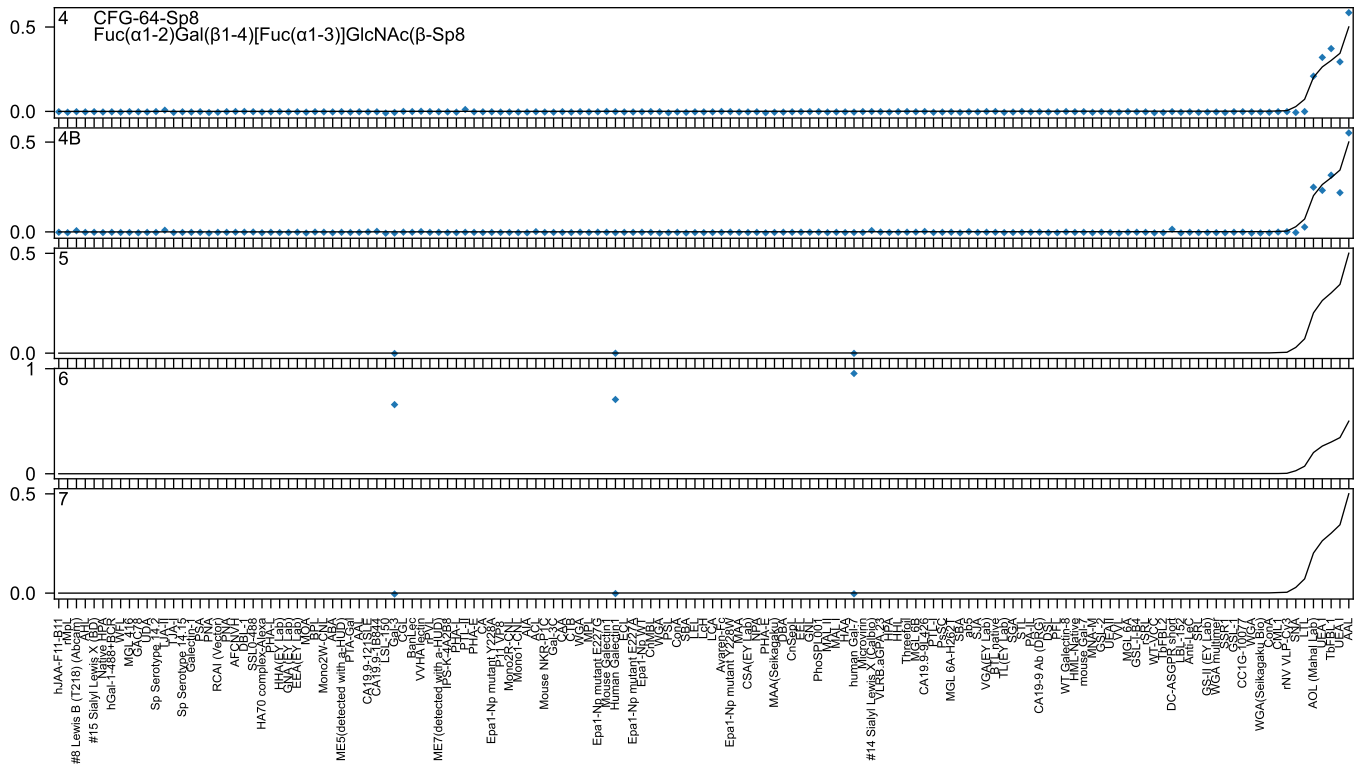
4
CFG-60-Sp0
Fuc(α1-2)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
TJ-1
TL(EY Lab)
Sp Serotype 14-T3
EEA(EY Lab)
SBA
HHA(EY Lab)
PNA
PTA-II
SBA
MAL-II
PTA-I
MAA
WFL
WGA(Seikagaku Biol)
CA19-9 Ab (DRG)
ABA
ABA
C 416
MGL 416
WGA multimer
HA70 monomer
Mono2N-CNE
GP-78
SNA
SNA
GS-II (EY Lab)
Native NEA
IPS-K-4A2E8
CA19-9 Ab (DRG)
Mono1-CNE
ACL
Epa1-Np mutant Y228W
WGA
MPL
Mouse Galectin-1
LEC
ECL
Epa1-Np mutant E227A
Epa1-Np pAT
CA
Mono2R-CNE
GSL-I-B4
GSL-I-A4
GP-2
EPA
GP-1
VLRB.aGP-23
DBA
Avaren-EC
ME5(detected with a+HUD)
Man-Lec
MGL
PSA
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y228A
AP-GSC
VGA(EY Lab)
Mouse NKR-P1
BPP
UEA-I
UDA
GNA (EY Lab)
MOA
CA19-9 Ab (Calbiochem)
SSL2-B488
GNL
PhoSP1001
Epa1-Np mutant E226G
#19 Sialyl Lewis X (Calbio)
Man1-1488+BCR
MAA(Seikagaku)
BNA
TL
HML-NAVE
SJA
SSA
CSA
RCAI (Vector)
CEA
CEA
PhFBL2
PTA
SGA
hJAA-Fc1-B11
Sp Serotype 14-T2
Sp Serotype 14-T1
PHA-L
ME7(detected with a+HUD)
CSA(EY Lab)
MGL 6A (Calbio)
CA19-9 Ab (DRG)
UEA-I
CA19-9 Ab (Calbiochem)
CC1G10077
W1-SGC
Gal-3C
BTL native
P11-VAE
P11-VAE
Galectin-T
Gal-3
Galectin-1
DC-ASGPR stalk
#8 Lewis B (T218) (Abcam)
W1-Galectin-8
SNA
UEA-I
Human Galectin-1
Dolt-1
VVHA-Gal-7
human Gal-7
nV Xlin-Gal
mouse Gal-7
AOL (Marial Lab)
AAL

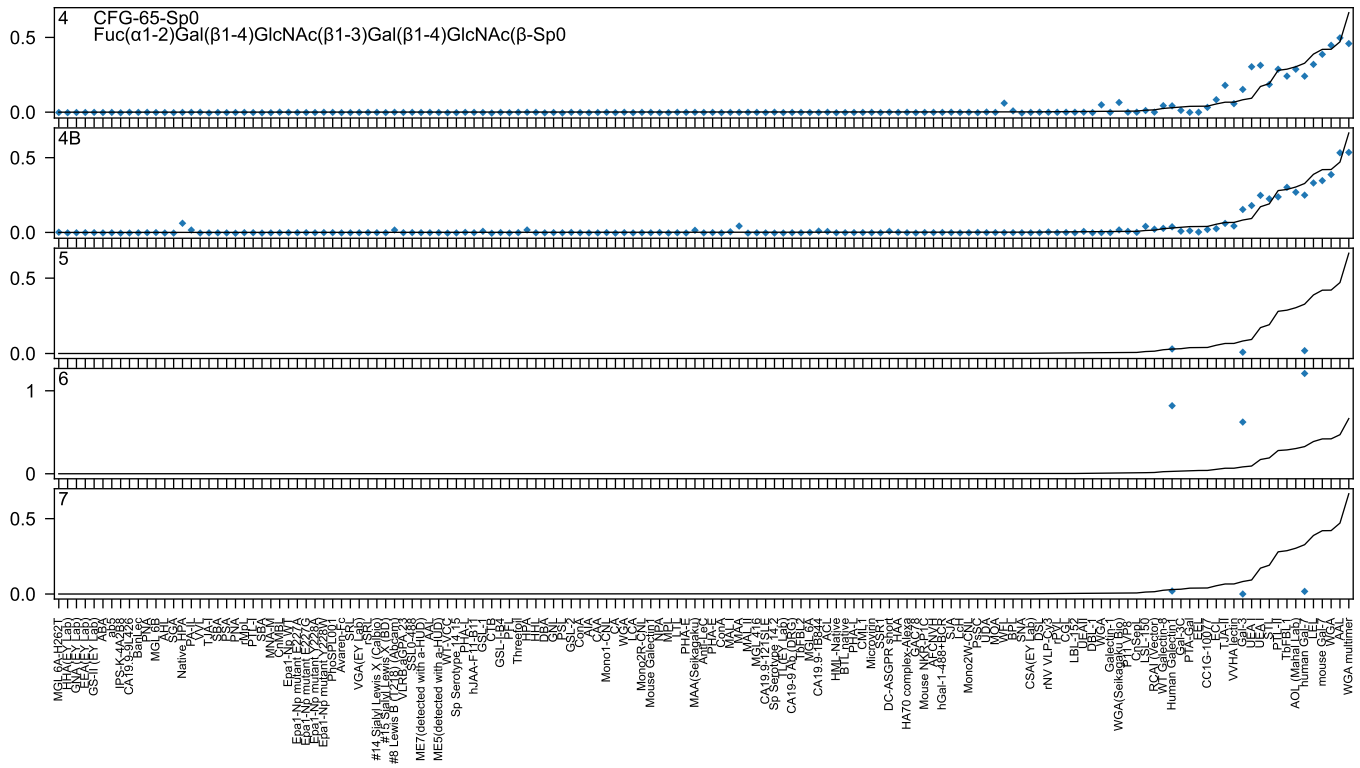

4
CFG-60-Sp8
Fuc(α1-2)Gal(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.25
0.00
0.2
0.0
1
0
SNA
SNA
JPSK-44-869
CA19.9-9L498
Gal-3
HA70 complex-Alexa
Dol-1
Man
ABL
Native SPA
PAL
PAU-I
WVL
UEA
TL(EY Lab)
TL(EY Lab)
LCA
Mono2W-SBA
BPL
BPL
GSL-I(EY Lab)
EEA(Cowin)
Epa1-Np mutant-P226A
Epa1-Np mutant-P226A
CA19-9 Ab (DRG)
Avidin
Peanut
BTL native
hGal-1-488+EDTA
#15 Sialyl Lewis X (BD)
HM1-Native
LSL-Ab
MOA
MVGA
MVGA
SSA
SSA
PNA
HHA(EY Lab)
GNA(EY Lab)
SSL0-488
MGL 6A-H2294
CTB
CTB
Control
ACL
Mouse Galectin1
WGA
WGA
HPA
HPA
MPL
MPL
PE
PE
CA
CA
DSL
DSL
GNA
GNA
GSL-I-B4
GSL-2
PTL-I
PTL-I
LEL
LEL
UEA
UEA
PTA-CAL
LTL
LTL
MAL
MAL
MAA
MAA
Gal-3C
Gal-3C
MAL II
MAL II
Epa1-Np mutant-E227A
Ban Lec
Sp Serotyx
Epa1-Np mutant-Y228W
Mitrefinin
Mitrefinin
MAA(Seikagaku)
MAA(Seikagaku)
VLRB aGPA-73
VLRB aGPA-73
Epa1-Np mutant-E227G
Epa1-Np mutant-E227G
ME5(detected with s-HUD)
ME5(detected with s-HUD)
Mono2R-CAL
CA19.9-GAG-73
CA19.9-BGCA
P21-1
Sp Serotyx
CSA(EY Lab)
MGF-06
LBL-152
PHA-E
PHA-E
SSA
AFCS-1
Mouse NK-P1C
#14 Sialyl Lewis X (Calbio)
CC1C-10077
VGA(EY Lab)
ME7(detected with a-HUD)
RCA (Vector)
MGF-416
PNA
ECL
WT Galectin-8
Mono1-CNL
CNL
CNL
hHA-Galectin-1
DC-ASGPR sport
WGA(Seikagaku)
WGA multimer
Human Galectin1
LEL
LEA
CAL1
VVHA lectin
hNV VP-Cy3
#8 Lewis B (T218) Ab (Abcam)
mouse Gal-7
AOL (Mahal Lab)
AAL

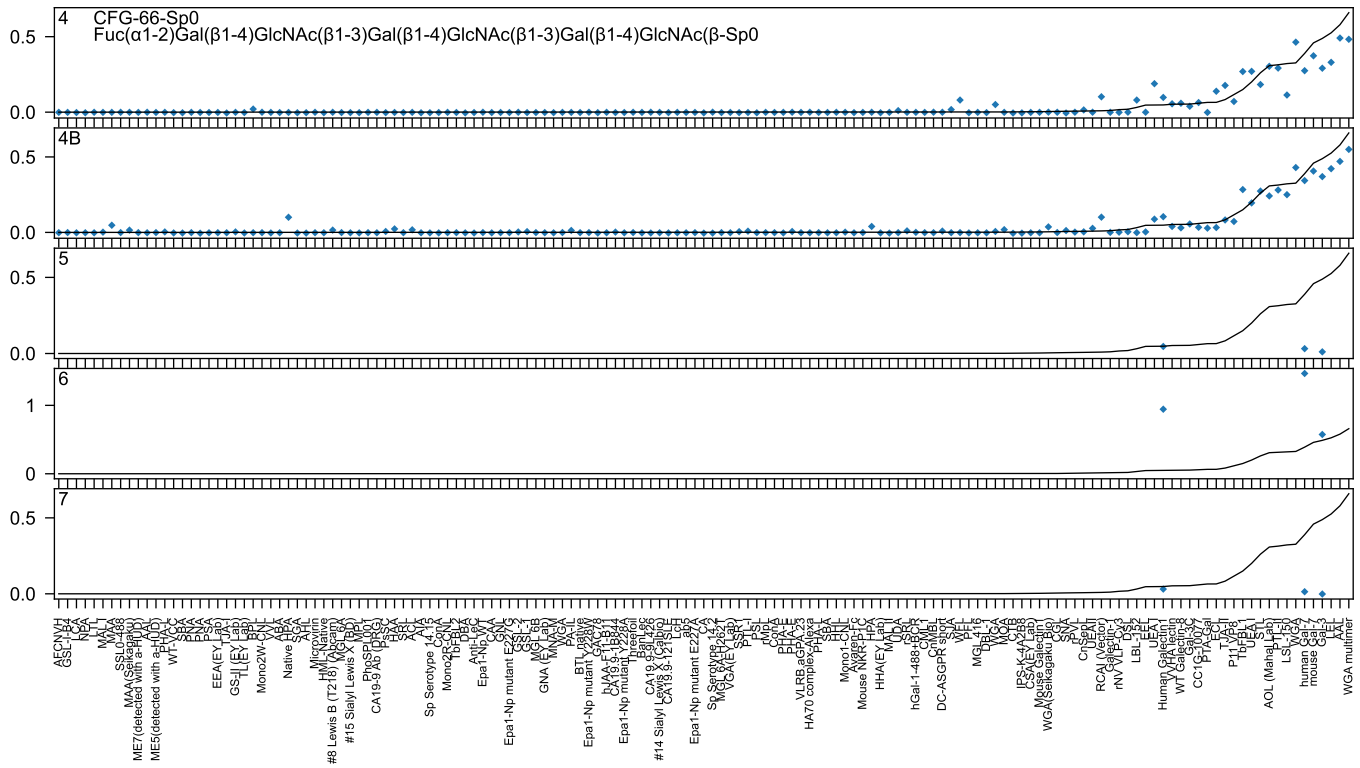

4 CFG-61-Sp0
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
VVA-B4
#8 Lewis B (12/18) (Abcam)
UEA-I
UEA-II
UDA
TL(EY Lab)
TJA-I
TJA-II
SBA
PSA
PNA
PTL-I
PHA-E
PHA-L
PSL
WFA
ME7(detected with α1-HUD)
HHA(EY Lab)
GNA(EY Lab)
GSL-I(EY Lab)
ABA
SJA
SVA
IPS-14-A488
CGB(EY Lab)
CA19.9-18844
WGA
ME5(detected with α1-HUD)
Barley lec
6A1
PDA-E
MAL II
DSL
Mouse Galectin1
GBI
SNA
AIA
Threitol
HPA
MAA
Anti-Le
CoPA
NPA
Epa1-Np mutant E227G
LEL
GSL-I
LCA
CSA(EY Lab)
HPA
Sp Serotype 14 19
Epa1-Np mutant Y225A
Mon9-CNL
#14 Sialyl Lewis A (Neuby)
Epa1-Np(WT)
PHA-L
MVN
Mouse NKR-P1C
hGal-1-488+BCR
MAA(Vector Labs)
Galectin-1
PSA
CA19-9 Ab (DRG)
MGL-8B
#15 Sialyl Lewis X (Neuby)
Human Galectin1
Sp Serotype 14 18
MGL 8A-H2271
Epa1-Np mutant Y225A
CA19.9-12SLE
human Galectin-1
AP-GNH
GSL-2
CC1G10-D7
MGL 416
GalNAc
CoPA
LSL-CS
MGL 8A
HML-Native
hJAA-F (Hybrid)
Gal-3
SEA
STL
MPL
DBA
RCAI (Vector)
WGA(Seikagaku Bio)
GSL-I
PA-L
Avenin-lec
WGA Avenin-lec
Human Galectin1
mouse Galectin1
CTB
DC-ASGPR 8nM
PJ1 CVB
nV VL
DEAD
AGL
AOL (Matreya Bio)
AAL

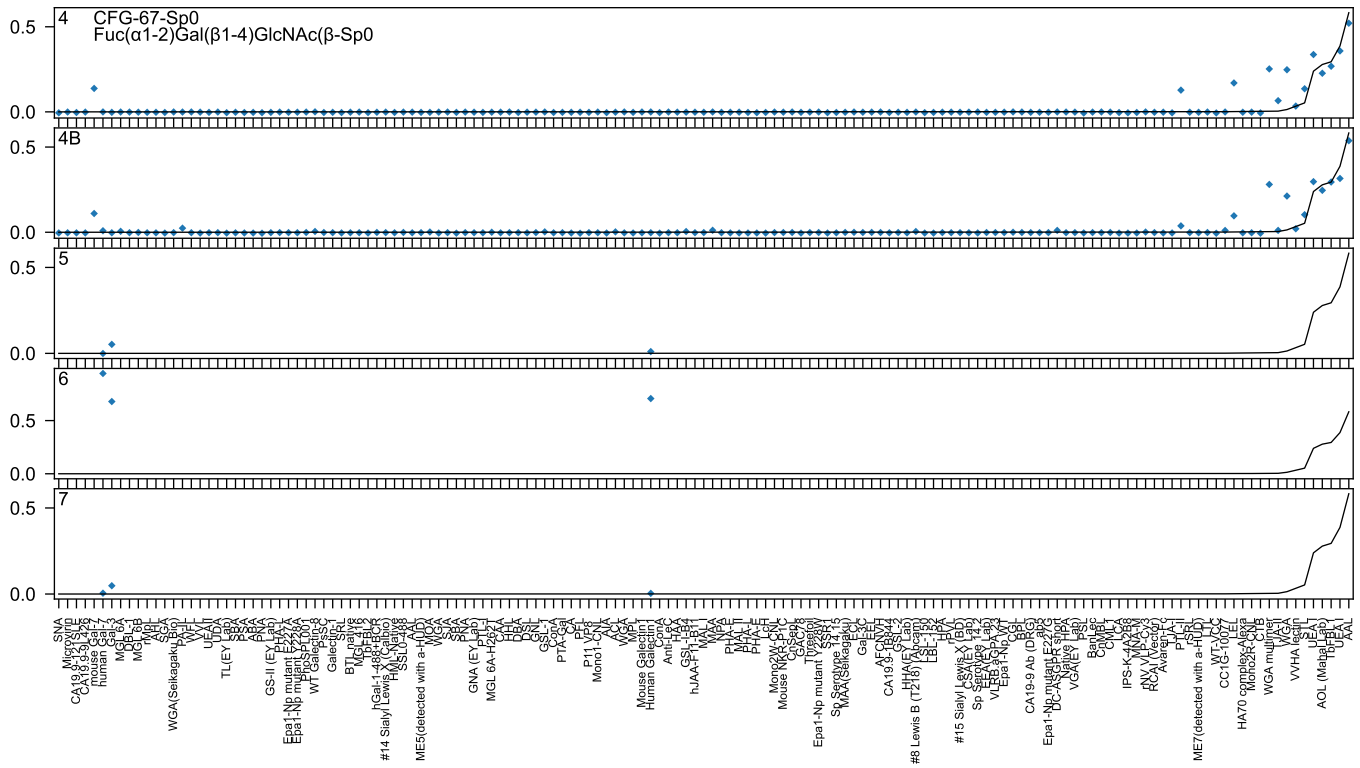

4
CFG-62-Sp0
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
NPL
PHA-E
PHA-L
PTA-Gal
PSA
TJA-I
UDA
ECA
AAL
AAL
CC1G-1
HA70 complex-Mixture
IPS-K-4A288
GS-II (EY Lab)
HPA
HPA
CrMH
CrMH
Epa1-Np mutant 1B2-VG
Epa1-Np mutant S228W
Sp Serotype 14-115
Sp Serotype 14-115
LEL
Sp Serotype 14-115
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (72 fr) (Calbio)
nGal-1488-dCR
LSL-150
LSL-150
MGL-416
MGL-416
hAA-F11-B1
hAA-F11-B1
CSA(EY Lab)
Human Galectin1
WGA
Thy1
Mono2R-CNL
Mouse Galectin1
DSL
DBA
DBA
RCAI (Vector)
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
EEL
EEL
Anti Lewis X
VGA
CA19-9 Ab (DRG)
Epa1-Np mutant E227A
Epa1-Np mutant E227A
TL(EY Lab)
PNA
PNA
VVHA (Lectech)
WT-VCC
#15 Sialyl Lewis X (Calbio)
VCA(Seikagaku Biol)
HML-Native
VLRB.aGPA.23
CA19.9-12 Fc-LF
STL
STL
nAA
nAA
TcBL2
DSL
DSRL
Mouse NK-RFAC
WFL
WFL
MAA-M
WT Galectin-8
GNA(EY Lab)
HPA
HPA
PHA-L
BTL(EY Lab)
GAL-8
GAL-7
EEA(EY Lab)
GAL-2
MAA(Seikagaku)
Native HPA
Native HPA
MGL-6A-H2B7
Mono1-CNL
CSA
CSA
BPL
BPL
CA19.9
SSA51
Galectin-4
Galectin-4
Mono2-VCL
CA19.9-9-Ab
ABA
ABA
UEA-I
UEA-I
CnSBL
CnSBL
AFCNVH
NPA
NPA
HPA
HPA
Microvirin
WGA
WGA
MALL
MALL
MGL-6A
MGL-6A
Man-lec
Man-lec
ME7(detected with a-RUD)
Gal-1
Gal-1
MEL
MEL
ECL
ECL
MAL
MAL
HHA(EY Lab)
PHA-E
PHA-E
WGA mutant
WGA mutant
MGL-6A
MGL-6A
GSL-I
GSL-I
Avaro-RUD
Avaro-RUD
ME5(detected with a-RUD)
GNA
GNA
ConA
ConA
ConA
DC-ASGPR
SCFB
SCFB
P11
P11
VEA
VEA
rNV VLP-Cy3
human Galectin-7
mouse Galectin-7
ACL
ACL
AOL (Matrix-Biol)
AOL
AAL

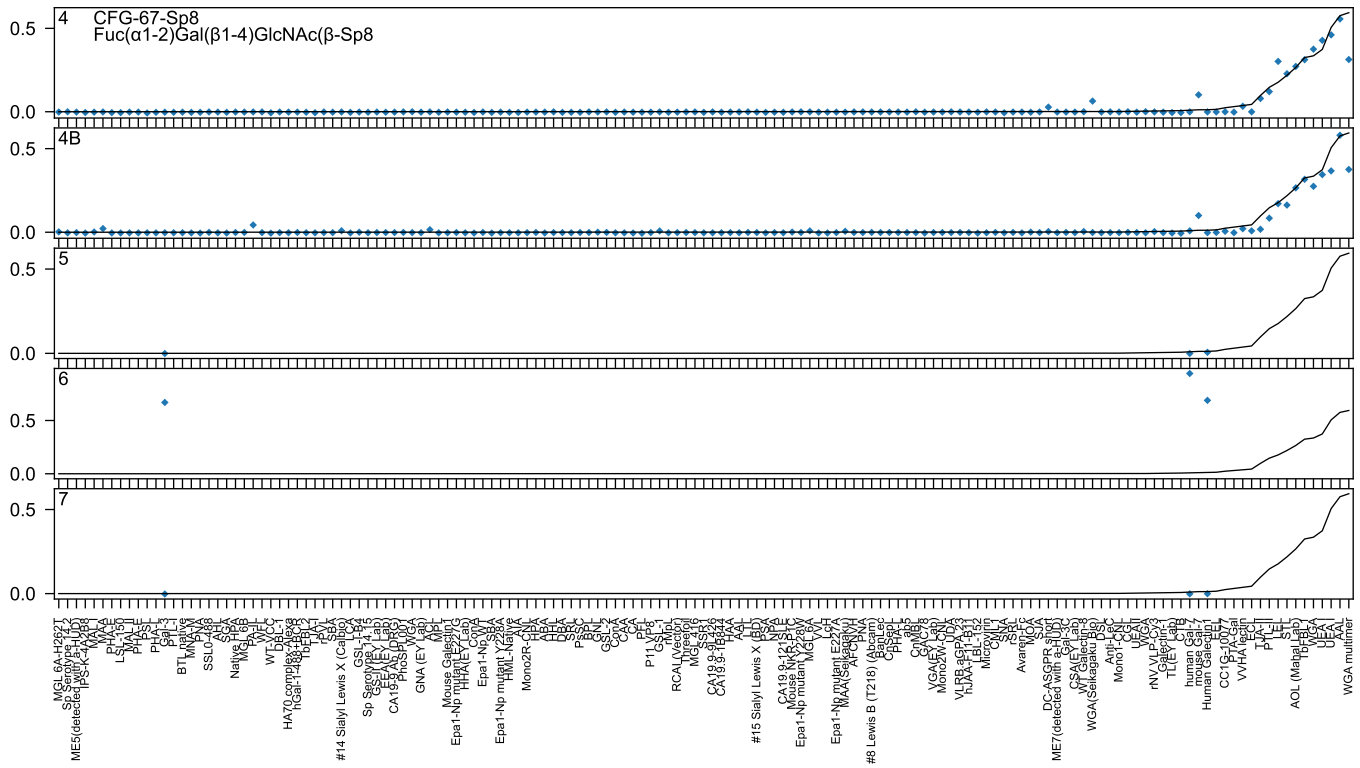

4
CFG-64-Sp0
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
PSA
PAA
RCAI (Vector)
PNA
PSA
SBA
SEA
MAL-II
MPA
MOA
MAA
WFA
WGA
SAL
JAL
TL(EY Lab)
IPS-K-4A2B8
ABA
ABA
nMP
ACL
Native SPA
WGA(Seikagaku Bio)
WFL
EEA(EY Lab)
HHA(EY Lab)
DBA
PCA
Bat-IgG
LEL
LCA
Anti-LCA
Epa1-Np mutant E227A
Human Galectin1
Mouse Galectin1
Epa1-Np mutant Y128A
PhoSP-C001
WT Galectin-8
Gr-B
Avarap-Fc
PSA
AIA
SSL0-488
Mono2R-CNL
HA70 complex-Alexa
HA70 complex-Alexa
#8 Lewis B (T12187) (Abcam)
#15 Sialyl Lewis X (Abcam)
EEL
DBA
HPA
Epa1-Np mutant E227G
EEA
#14 Sialyl Lewis X (Calbio)
GNA
WGA
Thrombin
PCA
Sp Serotype 1
CNL
CA
hMAP1
Epa1-Np mutant Y128A
NPA
CA19.9-9L-2
Sp Serotype 14-2
Sp Serotype 14-3
Mouse MECDY1
VGA(EY Lab)
CA19.9-1(EY Lab)
Epa1-Np
Con A
AOL
MGL-SBA
LBL-102
CA19.9-12-SLE
CSA(EY Lab)
VLRB-FCA-23
HML-Fc
MAA(Seikagaku Bio)
MGL-65
CA19.9-18B244
MPL
Micromonospora
CCTG-10072
Mono1-CNE
Gal-3C
DEAN
CnaAP
GSL-1-B4
GNA(Gallab)
BPA
LAA
Mono2N-CNL
PTA-CGM
BTL native
SSA
GSL-I
VVHA-1
MET(detected with a-HUD)
human-MGL-64
ME5(detected with a-HUD)
Tb-BSL
P11
VSB
Snec
WGA multimer
nNV VLP-CY3
MGL 6A-HRPO
mouse Gal-7
DC-ASGPR short
UEA1
AOL (Maba-Lab)
UEA1
AAL

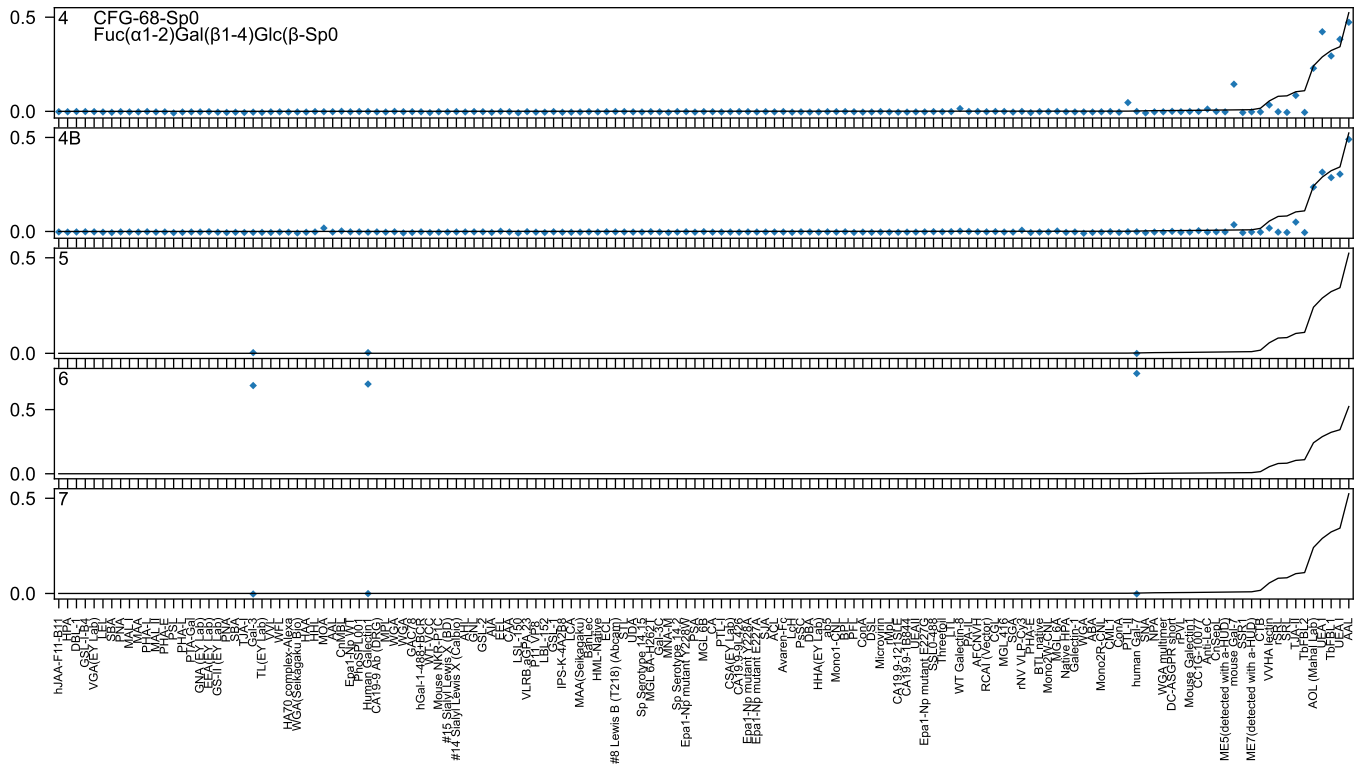

4
CFG-64-Sp8
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis X (BD)
hGal-1-Man-PEG
Native PEA
WFL
MGL-618
CA19-9
Sp Serotype 14-1
Sp Serotype 14-2
Galectin-1
FSA
RCAI (Vector)
AFCNA
DBL-1
SSA-1
HA70 complex-Alexa
PHA-L
HHA(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
BPL
Mono2W-ABA
ME5(detected with a-HUD)
PTA-A
AAL
CA19-9-Biotin
CA19-9-FITC
LSL-159
Galectin-3
BanLec
VVHA (Sigma)
ME7(detected with a-HUD)
IPS-KK-HUD
PHA-E
PHA-L
CA
Epa1-Np mutant Y228A
Mono2R-CNN
Mono1-CNN
AIA
Mouse NKR-P1C
Gal-3C
CTB
WGA
Epa1-Np mutant E227G
Mouse Galectin1
Human Galectin1
EPL
Epa1-Np mutant E227A
Epa1 (Vector)
CNBP
PSA
CorA
LEL
LCA
Avaegglutin
Epa1-Np mutant Y228V
CSA(EY Lab)
PHA-E
MAA(Seikagaku)
CnSepl
ENL
PhoSP-1001
WAL-I
HAA
human CRP
Microvirin
#14 Sialyl Lewis X (Calbiochem)
VVA-B4-aGalNAc
LFA
Threefin
MGL-6B
CA19.9-Sp-FITC
MGL 6A-HRP
SSA
STA
VGA(EY Lab)
TL(Vector)
SGA
PAL
CA19-9 Ab (DSB)
PPL
WT Galectin-9
HGA
mouse Gal-7
NPA
GSL-IV
UEA-I
FAP
MGL-8A
GSL-I-B4
WT-XCC
DC-ASGPR spot
ABL-152
Amb-152
GSII (EY Lab)
WGA (mutant)
SSA-1
CC1G-Gal7
WGA(Seikagaku)
WGA
CorA
rNV VLP
FOLA
SNA
AOL (Mahal Lab)
TEL
PEA-1
AAL

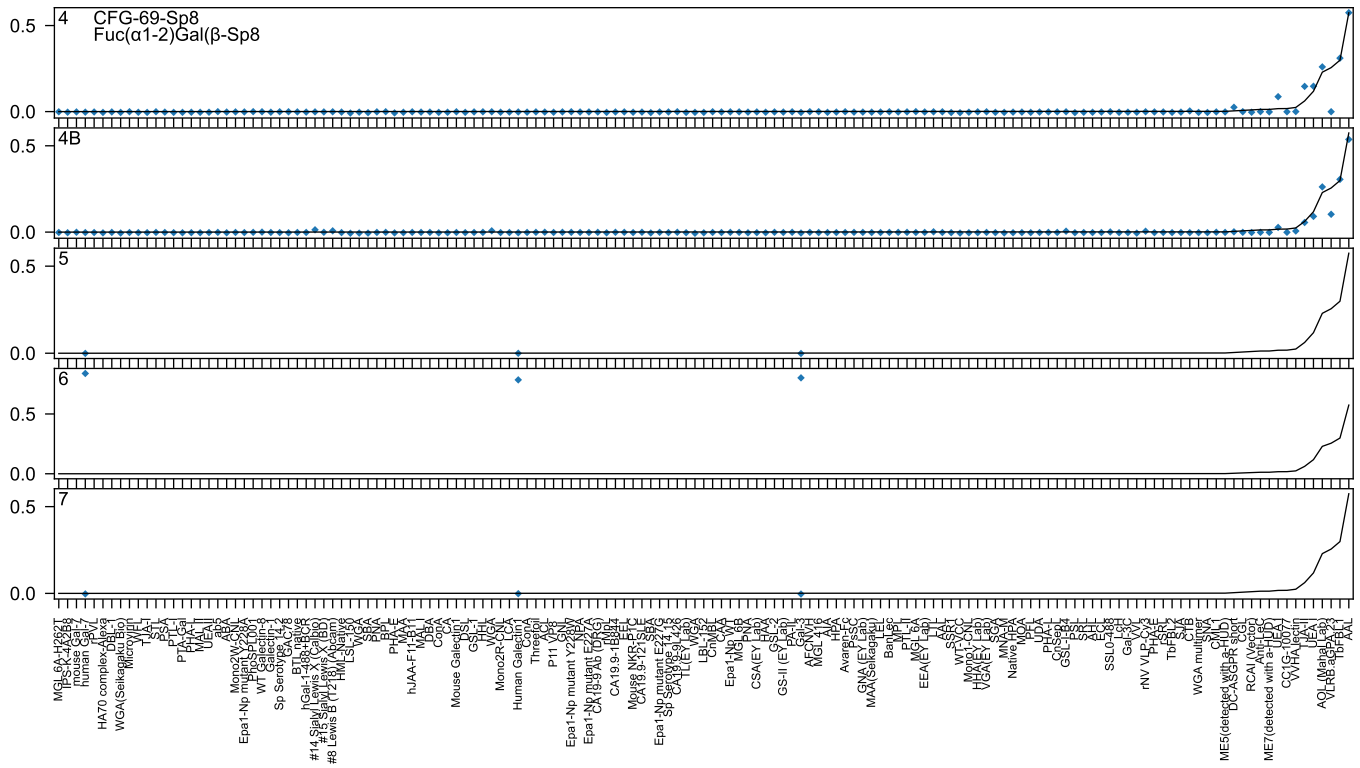

4
CFG-65-Sp0
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MGL6A(EY Lab)
GNA(EY Lab)
GNA(EY Lab)
GSL-I(EY Lab)
ABA
IPS-K-4A288
CA19.9-Lac-6
Sal-426
Lac-6
PNA
MGL
ACL
Native SSA
PAA
VVL
TVA
SBA
PSA
ACA
AIL
PHA-E
SBA
WFA
WFA-M
Epa1-No mutant Y277
Epa1-No mutant E277A
Epa1-No mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np mutant S228D
Epa1-Np mutant S228D
Avares-Fc
VGA(EY Lab)
SSL
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (BD)
#8 Lewis B (Calbiochem)
#8 Lewis B (BD)
SSL2-488
SSL2-488
ME7(detected with a-HuD)
ME5(detected with a-HuD)
Sp Serotype-14 15
Sp Serotype-14 15
hJAA-F
PTA-1
GSL-I
GSL-I-B4
PFL
Thrombin
PDA
DBA
GNL
GSL-I
GSL-I-B4
CoA
CAA
CAA
Mono1-CNL
wGA
Mono2R-CKA
Mouse Galectin1
MPA
MPA
PHA-L
MAAA(Seikagaku)
ApiHAE
ConA
ConA
MAA
MAA-II
MOR-1
CA19.9-121SLE
Sp Serotype 14-2
CA19.9 AC (DRG)
CA19.9 AC (DRG)
MHBA
CA19.9-IBB44
HML-Native
BTL-native
CMLL1
MicroSNR
DC-ASGPR sport
DC-ASGPR sport
HA70 complex-Alexa
GAL-178
Mouse NKG2D
AECNVB
hGal-1-488+BCR
LCA
Mono2WcCNL
UDA
UDA
WFA
WFA
BPL
CSA(EY Lab)
CSA(EY Lab)
rNV VLP
PNA
LBL-I-B4
DEAE
DWCA
Galectin-1
WGA(Seikagaku)
BTL (VB)
LSL-I-B4
LSL-I-B4
RCA (Vector)
Human Galectin1
Human Galectin1
GAL-3C
PTA
EEL
CC1G-1007
TJA-I
TJA-I
VVHA lectin
UEA
UEA
SNA
DSL
TF-PBL1
AOL (Mahal Lab)
human GalE
mouse GalE
GNA
AAL
WGA multimer

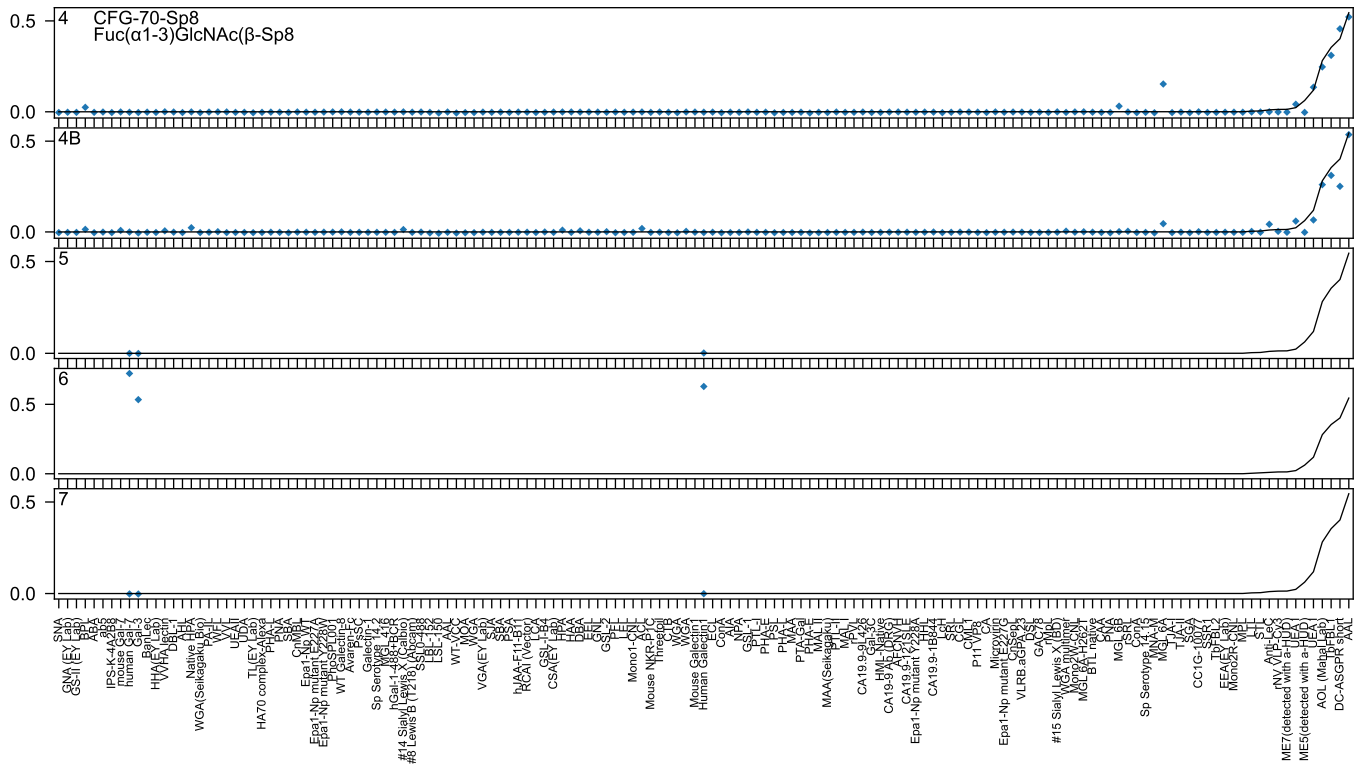

4
CFG-66-Sp0
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
AEP
NJH
GSL-I-B4
ACA
HPA
NPA
MAL I
SSL0-488
MAA (Seikagaku)
ME7(detected with anti-HAD)
ME5(detected with anti-HAD)
AAL
WT-VCC
PNA
RCA
PSA
EEA(EY Lab)
GS-II (EY Lab)
LL(EY Lab)
Mono2W-BNI
VVL
Native DBA
DBA
STA
SJA
Microvirin
HHL
#8 Lewis B (T2-18) (Takazawa)
NGA
#15 Sialyl Lewis X
MPL
Psa
CA19-9/Ab
PTA
CA19-9
SBA
ACL
Sp Serotype 14-15
Mono2R-CNI
TbGP2
DBA
Anti-I
Epa1-Np WT
GNA
Epa1-Np mutant E227G
GSL-I
GNA (MGI Lab)
MNA-M
PAGA
BTL native
Epa1-Np mutant Y228A
GAL9
DAA-F-11B11
DAA-F-11B7
Epa1-Np mutant Y228A
Thaxtomin
CA19-9 (Ab)
#14 Sialyl Lewis X
CA19-9 (Ab)
CA19-9 (Ab)
LCA
LEL
Epa1-Np mutant E227A
Sp Serotype 14-2
Sp Serotype 14-3
MGL (EY Lab)
VGA(E. Lab)
PTL-I
MGL
CGA
PHA-L
PHA-E
VLRB.aGPA
HA70 complex
PHA-L
BPL
Mono1-CNI
Mouse NKP
BTC
HPA
HHA(EY Lab)
MOR
PCL
SNA
hGal-1-488
CGB
CrMel
DC-ASGPR short
WEL
MGL
41-16
DBL-1
WGA
IPS-K-4-01B
CSA(EY Lab)
Mouse Galectin
WGA(Seikagaku)
CGL
SVA
Cnn
Cnn-Pan
RCA (Vector)
rNV3 (Vector)
DSL
LBL
LEL
UEA1
Human Galectin
WT Galectin-8
CC1G-10077
PTA-Gal
TJA-I
TJA-II
PNA
TbGP2
UEA
AOL (Maha Lab)
LSL-1
WGA
human Gal-7
mouse Gal-7
Gal-3
AAL
WGA multimer

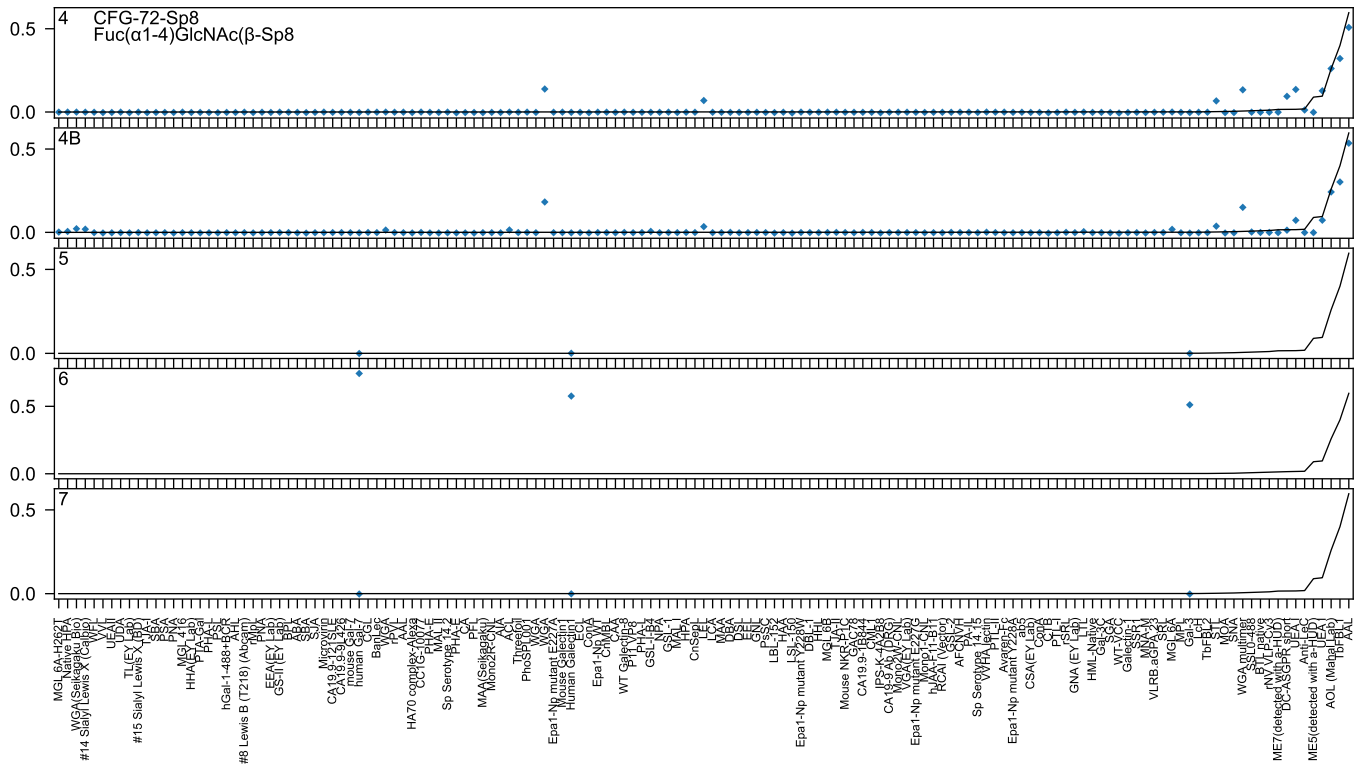

4
CFG-67-Sp0
Fuc(α1-2)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SWA
Microvilli
CA19-9 (21SL)
CA19-9 (21SL)
mouse Gal-7
human Gal-7
Galectin-8
MGL
MGL
MGL
SGA
SGA
WGA(Seikagaku, Bio)
PNA
WFL
UEA-I
UEA-II
UDA
TL(EY Lab)
LEA
PSA
PSA
PNA
GS-II (EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Epa1-Np mutant P208A
WT Galectin-8
Galectin-1
Galectin-7
SiaL
BTL mc418
MGL mc418
hGal-1-488
#14 Sialyl Lewis X (Calbio)
Hom-Tag488
VSL-Tag488
ME5(detected with a-HUD)
AAL
MOA
WGA
SBA
SBA
LAD
GNA (EY Lab)
PHA-L
MGL 6A-H2627
LEL
HPA
DSL
SNA
GSL-I
CoCA
PTA-Cal
PPL
P11
Mono1-CNL
AIA
WGA
MPL
Mouse Galectin
Human Galectin
CpcC
Anti-Tn
HAA
GSL-I-B4
hJAA-P11-B11
MAL
NPA
PNA
MAL-II
PHA-E
PHA-L
PCL
Mono2204-CNC
Mouse Mono2204-CNC
CoSepA
GALectin8
TMGP
Epa1-Np mutant V228W
Sp Serotype 14 T15
MAA(Seikagaku)
GalNAc
GalNAc
AFCU
CA19.9 T8844
CA19.9 T8844
HHA(EY Lab)
#8 Lewis B (T2718) (Abcam)
LBL-182
LBL-182
HPA
HPA
#15 Sialyl Lewis X (BD)
SCA(EY Lab)
Sp SSEA-1 (Lab)
VEA(EY Lab)
VEA(EY Lab)
Epa1-Np (WT)
OGL
CA19-9 Ab (DRG)
Epa1-Np mutant E227A
DC-ASGPR spot
VGA(EY Lab)
PSL
BanLec
CMLA
IPS-K4A268
rNV VP1-CNX
RCA (Vector)
Avaren-1
UAA-1
PSL
ME7(detected with a-HUD)
WT-VOC
CC1G-10077
HA70 complex-Alexa
Moho2R-CNC
WGA multimer
VVA lectin
VVHA lectin
WGA
UEA-I
AOL (Maha Lab)
hCEA-1
AAL

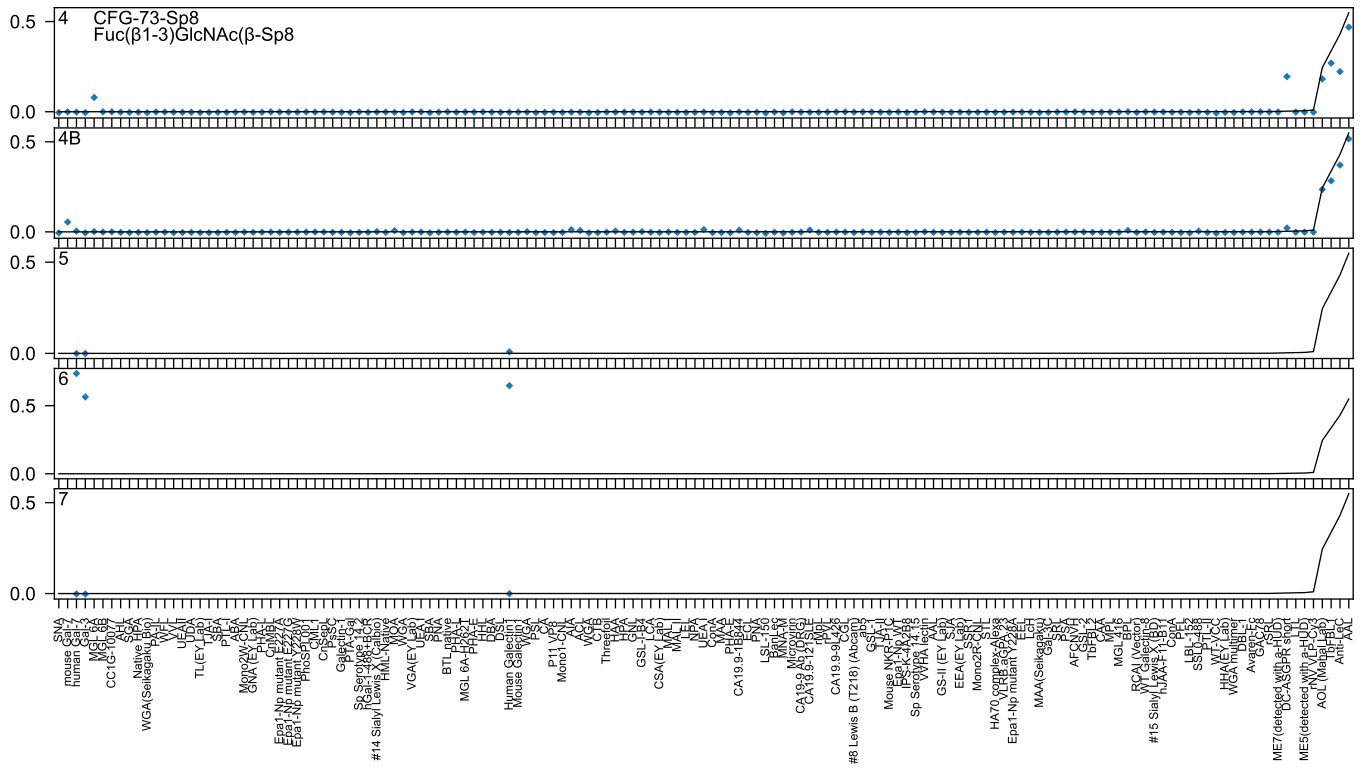

4
CFG-67-Sp8
Fuc(α1-2)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
MGL 6A-H262T
Sp Serotype 14-15
MES(detected with a-IUD)
PS-K-4A-B
WGA
PNA
LSL-150
PAA-E
ESI
Phab-5
PTL-I
BTL
MAA
SSLO
ABL
Native SBA
MGL 6B
WFL
WFL
WT DSCC
HA70 complex-Alexa
hGal-1-4B-BP3
TJA-I
TJA-I
SBA
#14 Sialyl Lewis X (Calbio)
GSL-I-B4
Sp Serotype 14-15
EEA(EY Lab)
CA19.9-Sp3
GNA (EY Lab)
Mouse Galectin-7
Epa1-Np mutant E227G
HHA(EY Lab)
Epa1-Np WT
Epa1-Np mutant Y228A
HML-Native
Mono2R-CNL
HPA
HEA
HEL
UDA
PSA
PSC
BNL
GSL-2
CCA
CAA
PEA
P11-Fc6
GNL
RCA I(Vector)
MGL-416
CA19.9-Sp3
CA19.9-16844
HAA
HAA
#15 Sialyl Lewis X (BA)
NPA
CA19.9-121
Mouse NK6-BTC
Epa1-Np mutant Y228V
MGL-Native
VVL
Epa1-Np mutant E227A
MAA(Seikagaku)
ACA
PNA
#8 Lewis B (T218) (Abcam)
CBSBP
PHA-E
Con A
Con A
VGA(EY Lab)
Mono2W-CNL
VLRB.aGPA-23
hJAA-Fc-B12
Microvirin
CVN
SNA
Sialic
Avarol
MOA
SJA
DC-ASGPR-Fc
MET(detected with a-IUD)
CSA(EY Lab)
WT Galectin-8
WGA(Seikagaku)
DSL
Anti-LBP
Mono1-CNL
CGB
UEA
VFA
rNV-VLP-Cy3
TEM(EY Lab)
CTB
human Galectin-7
mouse Galectin-7
Human Galectin
CC1G-10077
VVHA(Recal
EOL
TIL
SE
AOL (Mahal Lab)
Ibv
UEA
UEA
AA
WGA multimer

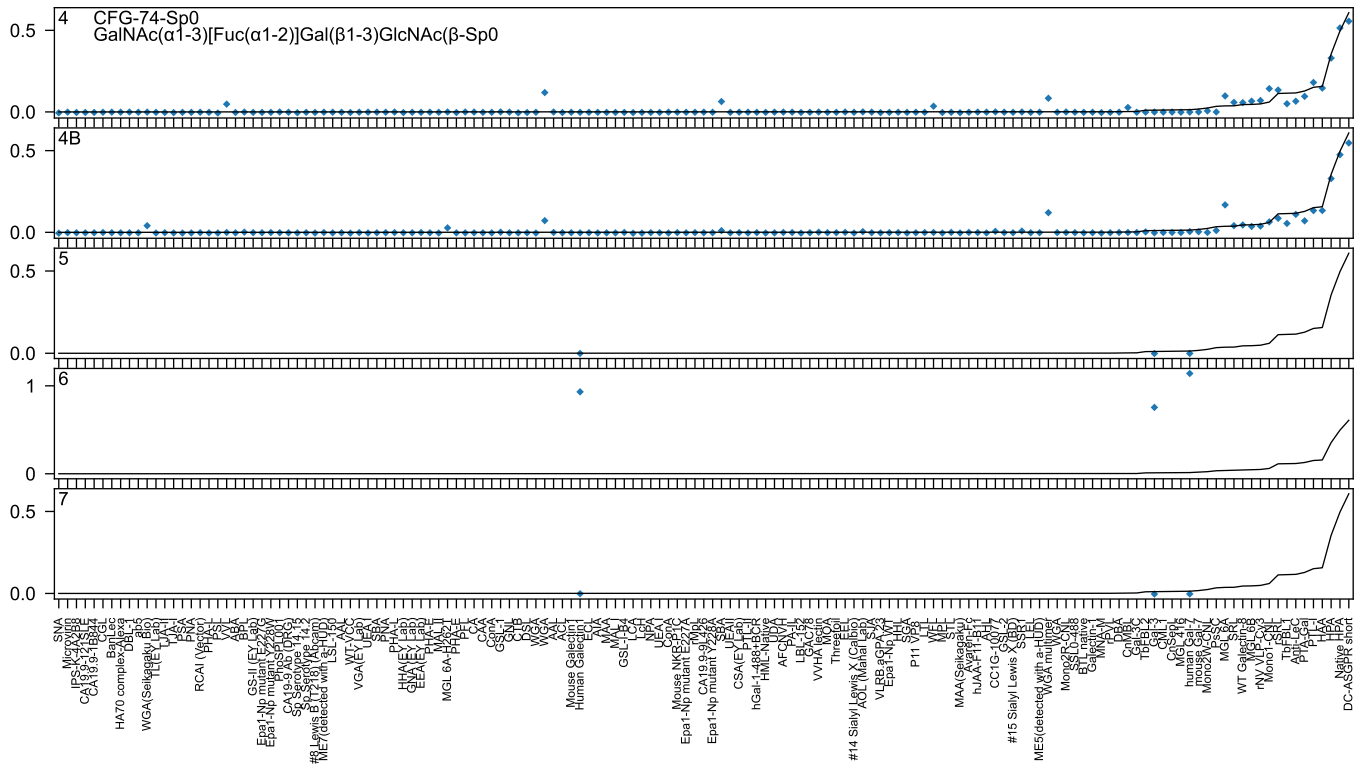

4
CFG-68-Sp0
Fuc(α1-2)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11-BA
DBL-1
GSL-I-B4
VGA(EY Lab)
SEL
PNA
MAA
RCA-I
PHA-L
PHA-E
PSL
PTA-Gal
GNA(EY Lab)
GS-II(EY Lab)
SBA
DSA
DGA-I
TL(EY Lab)
VVL
WFL
HA70 complex-Alexa
WGA(Seikagaku)
BPL
HPA
LTA
WGA
ECA
Epa1 Cm(MBL)
Epa1 Pp(SPL001)
Human Galectin-3
CA19-9 Ab (Calbiochem)
MSL
WGA
GAL8
hGal-1-48
WT-BPCC
Mouse NK1-BPCC
#15 Sialyl Lewis X (Calbiochem)
#14 Sialyl Lewis X (Calbiochem)
GNL
GSL-I-A4
ABA
LSL
LCA
VLRB aggr
PSA
PB-VP8
GSL-I
IPS-K-47-293
MAA(Seikagaku)
Galectin-1
HML-Native
ECL
#8 Lewis B (T218) (Abcam)
UEA-I
Sp Serotype 14
MGL 8A-H262-1
NNA-M
Sp Serotype 19A
Epa1-Np mutant Y229A
PSA
MGL 6B
PTL-I
CA19-9 (Lab)
CA19-9 (Lab)
Epa1-Np mutant Y229A
Epa1-Np mutant E228A
SLA
ACL
Avarelin-C
LCH
PSA
DBA
HHA(EY Lab)
Mono1-CBB
BPL
PEL
ConA
DSL
Microvillin
CA19-9 (Lab)
MOR
CA19-9 (Lab)
Epa1-Np mutant Y229A
PEAU
SSL2-B
SSL2-B
Epa1-Np mutant E228A
Threonin
WT Galectin-8
AFCRVH
RCA(Vector)
MGL 4B
rNV VLP-SCA
PHA-E
BTL(Vector)
Mono2-CBB
MGL-8A
Naive mPA
Galectin-9
WGA
Mono2R-CBB
CMLL
PHL-I
PHL-I
human Galectin-7
SALA
NPA
WGA
DC-ASGPR(Human)
PNA
Mouse Galectin-7
CC1G-10077
Ann5-Lec
mouse Galectin-1
ME5(detected with a-PUD)
mouse SSR1
ME7(detected with a-PUD)
VVHA lectin
SSR
SSR
TJA-I
TJA-II
Tab(Pelz)
AOL (Matsu)
UEA-I
Tbo
UEA-I
AAL

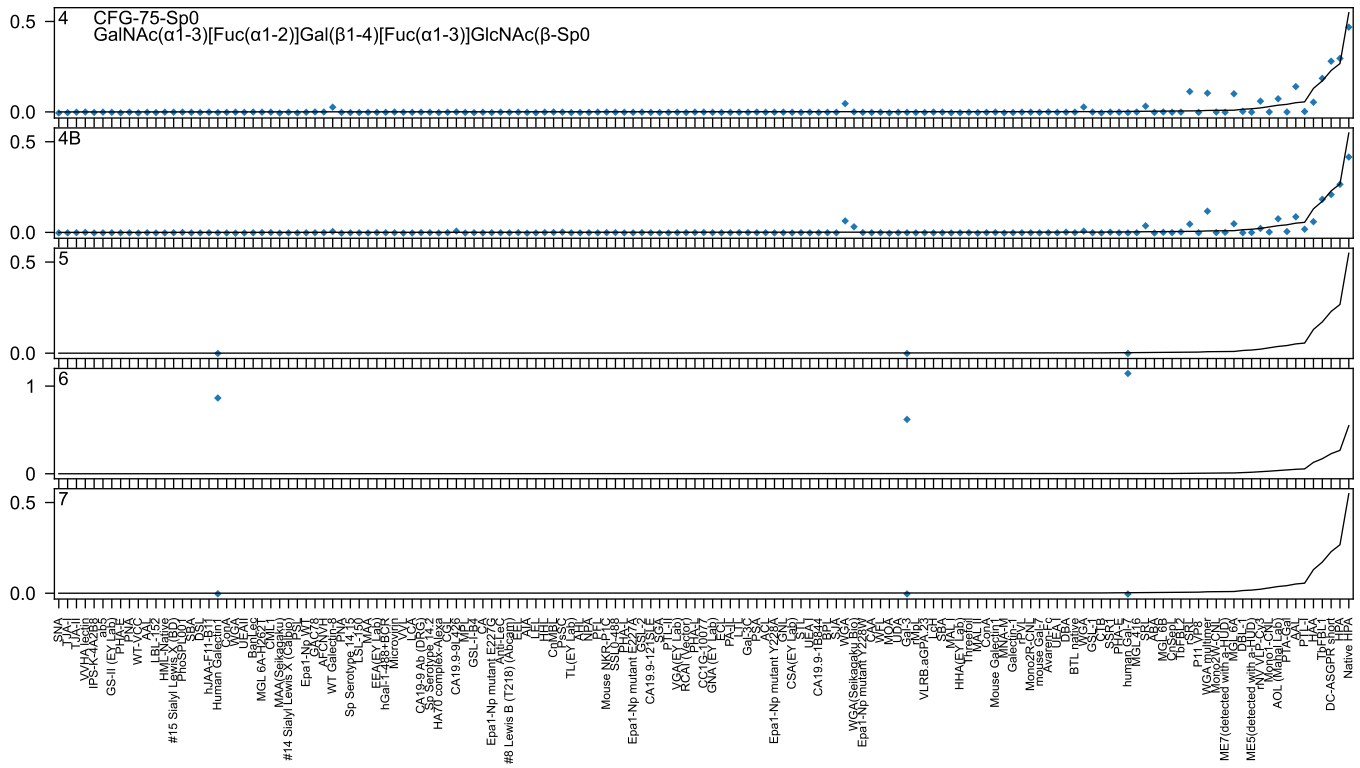

4
CFG-69-Sp8
Fuc(α1-2)Gal(β-Sp8
4B
5
6
7
0.5
0.0
MGL(A-1-H267T
Hs-Gal-1
mouse Gal-7
human Gal-7
BV7
HA70 complex-Alexa
DC-SIGN
WGA(Seikagaku Bio)
Microcystin
TJA-I
TJA-II
PSA
PTL-I
PTL-II
PHA-E
PHA-L
MAL II
UEA-I
abs
Mono2W-GBA
Epa1-Np mutant Y228A
wT Galectin-8
Galectin-1
Sp Serotype
GA.C78
Epa1-Np-HBVS
hGal-1 Sub-HBVS
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
#8 Lewis B(Y-1-Biotin Ab Lab)
HMSL(Native)
LS(Native)
WGA
SSA
SNA
BPL
PNA
MAA
hJAA-F11-B11
MOA
DBA
CoPA
Mouse Galectin1
GS-I
GNL
VFL
Mono2R-GBA
LCA
Human Galectin
ConA
Threspin
P11
VIA
Epa1-Np mutant Y228W
KPA
Epa1-Np mutant E228G
CA19.9-Fab
CA19.9-1-Fab
EFL
CA19.9
Mouse MYC-FLE
CA19.9 Fab
SBA
Epa1-Np mutant E144Q
Sp Serotype
CA19.9-1.426
TILE
WGA
LBL
LBL-Biot
Dm-Gal-1
CAA
Epa1-Np WT
CSA(EY Lab)
HPA
PNA
GS-I
GS-II (EY Lab)
PA-IL
PA-IIL
AFCS-3
MGL 416
HPA
HPA
Avarp-Fc
GNA (EY Lab)
MAA(Seikagaku)
Banlec
PNA
MGL
MGL-6A
EEA(EY Lab)
SSA
SAT
SSL7
wT-CGC
Money Lab
HMSL(EY Lab)
VGA(EY Lab)
MNA-M
MNA-N
Native-HPA
WGA
PEL
PHA-L
PHA-E
GSL-I-B4
GSL-I-A4
SBL
EBL
SSL0-188
Gal-1
Gal-3C
rNV VLP_CV3
PHA-E
TbFBP2
SNA
SNB
WGA multimer
CNA
ME5(detected with a-HUD)
DC-ASGPR
SGL
RCA (Vector)
ME7(detected with a-HUD)
CCIG-1067
VVA
HA
Lectin
UEA-I
AOL (Malab Lab)
VLRB aala
PFBP2
AAL

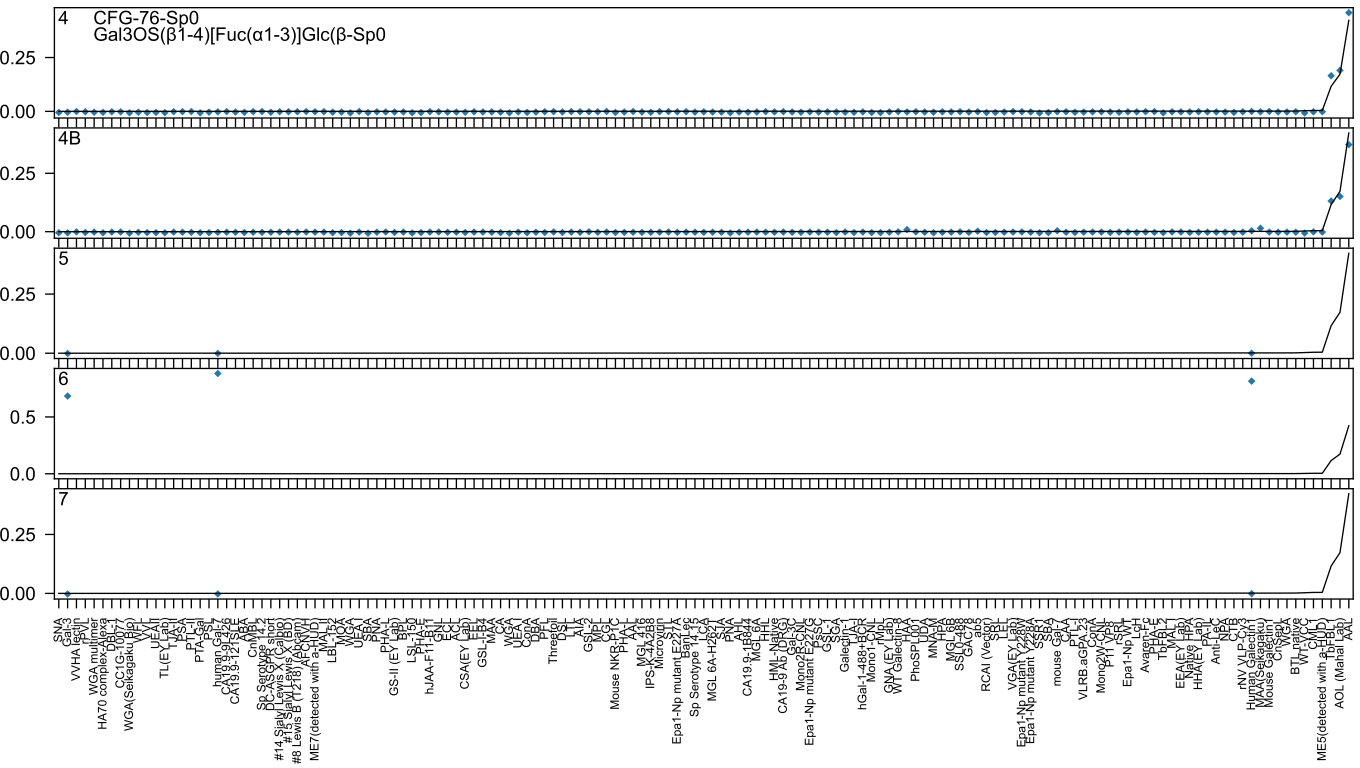

4
CFG-70-Sp8
Fuc(α1-3)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
Tn
GNA (EY Lab)
GS-II (EY Lab)
ABA
ABA
ABA
IPS-K-4A
mouse Gal-7
human Gal-7
Galectin-1
Eel Lec
BanLec
HHA (Lab)
VVA (HA Lab)
DBL-1
Native CIPA
WGA(Seikagaku Bio)
WFL
UEA-I
UDA
TJA-I
TJ (EY Lab)
HA70 complex-Alexa
PHA-L
PHA-E
SBA
Cow Mpt
Epa1-Np mutant E227A
Epa1-Np mutant S228T
Epa1-Np mutant S228Q
WT Galectin-8
Galectin-8
Avidin
PsSC
Sp Serotype 14
Galectin-7
WGL-418
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (T218) (Accam)
SSA
LSL-150
LSL-152
ACG
WT-ACG
WGA
VGA
VGA(EY Lab)
SSA
SBA
PSA
hAA-F11
RCA (Vector)
RCA1 (Vector)
CSA(EY Lab)
GSL-I-B4
HPA
DBA
DSL
GNL
GSL-I-A4
LEL
Mono1-CSL
Mouse NKR-P1C
Threonine
WGA
Mouse Galectin1
Human Galectin1
CorA
ANA
ANA
GSL-1
PHA-E
PHA-L
PHA-P
MAA
PTA-Gal
MAL-II
MAA(Seikagaku)
MAL-I
MAL
CA19-9-L428
CA19-9-AD (DSHB)
HML (DSHB)
Gal-3C
Gal-3
CA19-9-T (SIGMA)
Epa1-Np mutant Y228A
CA19-9-1B-44
CA19-9-1B-78
SSL1
CGL
CGL
OVA
P11
CA
Mixed E227G
Epa1-Np mutant E227G
VLRB.aCEP
VLRB.aGP
DSL
GAL8
#15 Sialyl Lewis X (BD)
WGA (NWOR)
MGL (NWOR)
MGL BA-H26-21
BYL mouse
PNA
MGL
SSR
Sp Serotype 4
Sp Serotype 14
MNA-N
MNA-M
TJA-II
TJA-I
CC1G-10027
CC1G-10022
TIB-1
TIB-BR1
EEA(EY Lab)
Mono2R-CSL
MPL
STL
ME7(detected with a-LEC)
NV1 (Anti-LEC)
ME5(detected with a-LEC)
DEA
AOL (Malja Lab)
DC-ASGPR
SBCT
AAL

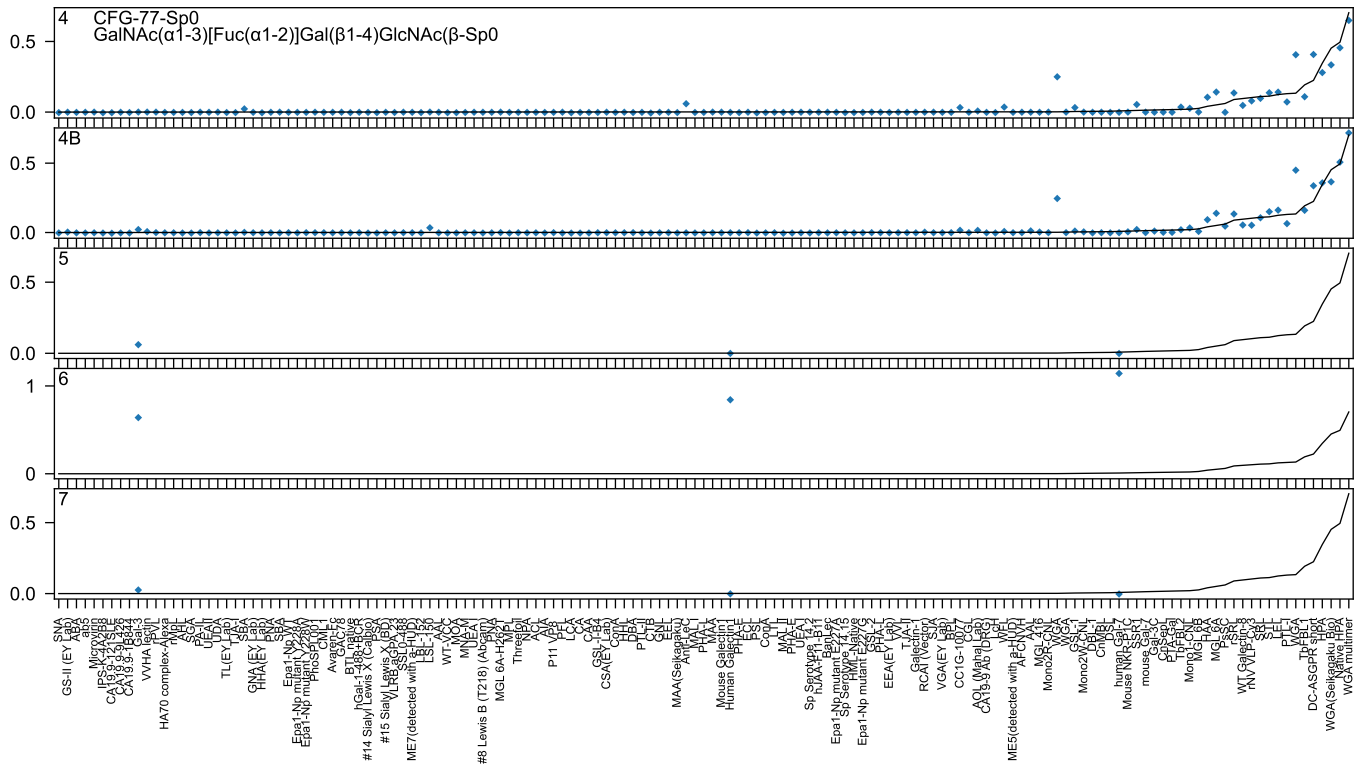

4
CFG-72-Sp8
Fuc(α1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
MGL 6A-H2027
Naive PBA
WGA(Seikagaku Bio)
#14 sialyl Lewis X (CarbiPel)
UEA I
UDA
#15 Sialyl Lewis X (EY Lab)
TL (EY Lab)
VAA
BSA
PNA
MGL 4
HHA(EY Lab)
PA-Gal
PSL
hGal-1-488+BCR
#8 Lewis B (T218) (Abcam)
PNA
EEA(EY Lab)
GSII(EY Lab)
BPL
SBA
SJA
Mouse IgG1(MOPC21)
CA19.9 (1116-NS-19-9)
CA19.9 (1116-NS-19-9)
human Gal-7
CGL
Bauhinia
WGA
PAL
HA70 complex-A549
CCTG-A549
PHA-E
MAL II
Sp Serotype 14
PHA-E
PEA
MAA(Seikagaku)
Mono2R-CAA
ACL
Tim-3
PhoSPC(TB01)
WGA
Epa1-Np mutant E227A
Mouse Galectin-1
Human Galectin-1
ECL
CCL
Epa1-Np CWA
CNA(BL)
WT Galectin-8
PNA
PVA
GSL I-B4
GSII-A
MAL I
CnSep
LEL
MAA
DSA
ECA
EEL
PSA
LBL-1B2
LBL-1B3
LSL-160
Epa1-Np mutant Y226A
DBA
HPA
MGL 2
Mouse NK-S-PTC
CA19.9-1B244
IPS-K-44
CA19.9 Ab (DRG)
CA19.9 Ab (DRG)
Epa1-Np mutant E227G
Epa1-Np mutant Y226A
WGA(EY Lab)
hAAT P11-B11
RCA I (Vector)
AF CNV1
Sp Serotype 14-15
VVHA (Jacqui)
Avaren-Fc
Epa1-Np mutant Y226A
CSA(EY Lab)
CanB
PTL-I
PTL-II
GNA (EY Lab)
HML-Nu-TTL
HML-Gal-3C
WT-SCCA
Galectin-1
MAA(I)
VLRB.aGPA.23
SSA
MGL 1
Gal-1
LCA
TcfBTC
MGA
SNA
WGA multi
SBU-0488
BP-VLP-pOV3
rNV-LP-pOV3
ME7(detected with HUD)
DE-A549-HUD
UEA I
ME5(detected with HUD)
UEA
AOL (Matsuda-Bio)
AAL

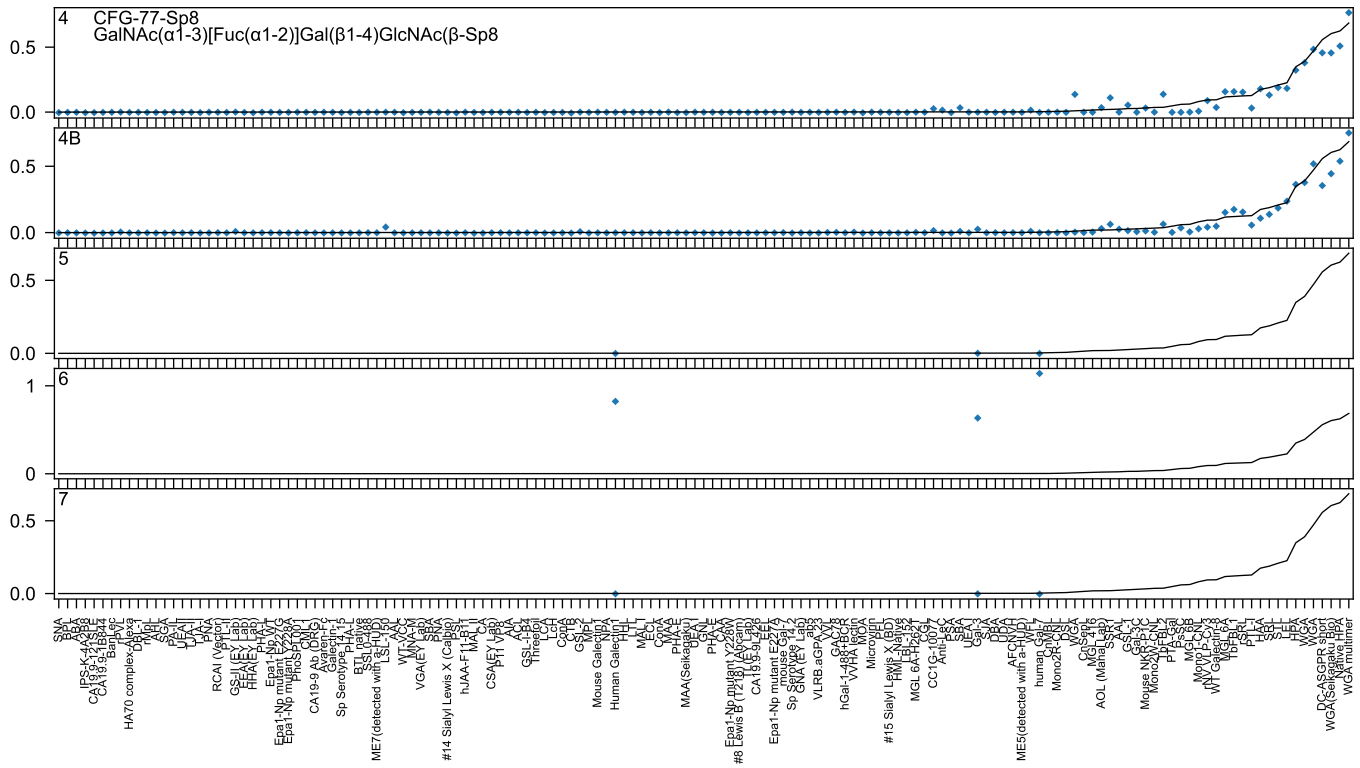

4
CFG-73-Sp8
Fuc(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
Gal-1
mouse Gal-1
human Gal-7
Gal-3
MGL
CC1G-1D6.B9
AHL
Native SBA
WGA(Seikagaku,Bio)
PNA
TL(EY Lab)
UEA
UDA
LYA
LYT
SBA
PSA
PAA
Mono2W-CNL
GNA(EY Lab)
PHA(E)
Epa1-Np mutant C2077G
Epa1-Np mutant E227G
Epa1-Np mutant E227G
PhoSL-2B01
CMCL
CPSSC
Galectin-1
Galectin-1
Sp Serotype 14-9
Gal-1 1B8-BC5
#14 Sialyl Lewis X (BD)
HML-Native
WGA
VGA
VGA(EY Lab)
UDA
SBA
PNA
BTL
PHA(E)
MGL 6A
PHA(E)
PHA(L)
DSA
Human Galectin1
Mouse Galectin1
WGA
PSL
P11
VF8
Mono1-CNL
CVL
ACL
WGA
CTB
Threefoil
HPA
LPA
GSL-I-B4
GSL-I-A4
CSA(EY Lab)
VVL
MALII
NPA
UEA
WGA
PNA
CA19.9-1B844
PCL
FCL
LSL-150
RAC1-5F
RAC1-4F
CA19.9 Microvoin
CA19.9 2-1B3(CE)
CA19.9 2-1B3(CE)
AWL
CA19.9-9L426
CGL
#8 Lewis B (T218) (Abcam)
ab3
GSL-I
Mouse NK2-P1-C
PSA-CNL 289
PSA-CNL 289
Sp Serotype 14-15
VVHA recom
ACIII
GS-II (EY Lab)
SJA
EEA(EY Lab)
Mono2R-CNL
SNL
STL
HA70 complex A/Ala/38
VCRB 1A6-2
Epa1-Np mutant Y228A
ECH
MAA(Seikagaku)
GNA
SSL
AFCNY2
GSL-I-2
TBA
PAA
MGL-4-6
BPL
RCA I(Vector)
WGA(Vector)
#15 Sialyl Lewis X (BD)
hLAX-P
CBA
PEL
LBL-488
SSLD-488
WTA
WTA-C
HHA(EY Lab)
WGA mutant
Bitter
Avaren-Fc
GSL-I
GSL-B4
ME7(detected with PHA-L)
DE-ASGR1 (BD)
ME5(detected with PHA-L)
AOL (Malaji Lab)
ATL
PSC
AIM
AAL

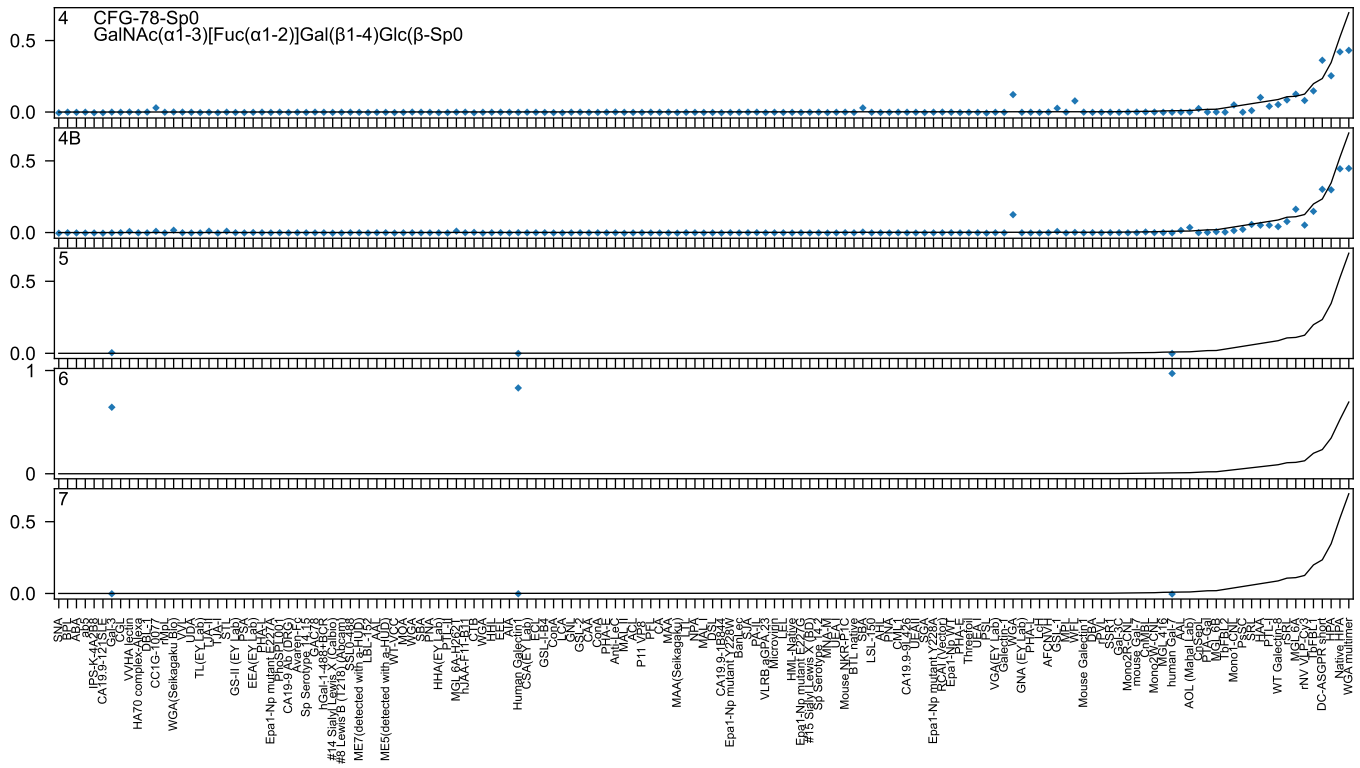

4
CFG-74-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
Mice
IPS-K-42-PB
CA19-9 Ab (BB
CA19-9 Ab (BB
CGL
Bacillus
HA70 complex-Alexa
DBL-1
WGA(Seikagaku, Bio)
HL(EY Lab)
LEL
UEA
FRA
RCAI (Vector)
PNA
FSL
ACA
BPL
GS-II (EY Lab)
Epa1-Np mutant E2-PB
Epa1-Np mutant S2-PB
Mouse Galectin-1
CA19-9 Ab (DRG)
SD-Serotype 1-412
SD-Serotype 1-PB
#8 Lewis B (Abcam)
MEP(detected with a-LUD)
SLT-1(B)
WT AAL
VGA(EY Lab)
UEA
PNA
HHA(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
PLA
MAL II
MGL 6A
PFA
PFAE
PFL
CAA
GSII-A
GNA
DSL
DSL
WGA
AAL
AAL
Mouse Galectin-1
Human Galectin-1
AVA
MAA
MAL
GSL-I-B4
LCA
NPA
UEA
Mouse NKS-PTC
Epa1-Np mutant E2-PC
CA19-9 Ab (PC)
Epa1-Np mutant S2-PC
SBA
CSA(EY Lab)
PTL-I
hGal-1-488-PTL-I
HML-Native
AFA
UDA
PAL
LBL
BLAC98
VVHA(lectin
Threonin
BEL
#14 Sialyl Lewis X (Cosmo)
AOL (Mahal Lab)
VLRB.aGP
Epa1-Np WT
SGA
P11
VP8
WEL
MPL
MAA(Seikagaku)
hJAV1(PTEC)
A1M
CC1G-1G5-Z
GSII-2
#15 Sialyl Lewis X (TEC)
TEL
ME5(detected with a-LUD)
VGA mutant
WGA
MonoSC-488
BTL native
Galectin-1
MAL-I
PAL
ConA
ConBr
TGEBP-2
Gal-3
ConSeqL
MGL-416
human Gal-7
mouse Gal-7
Mono2VcSC
MGL-8A
SNA
WT Galectin-1
rN-WGLGB
rN-WGLGB
Mono1-488
FBP
Tomato
APL-LeC
APL-Lal
PA-IL
HPA
HPA
Native
DC-ASGPR short

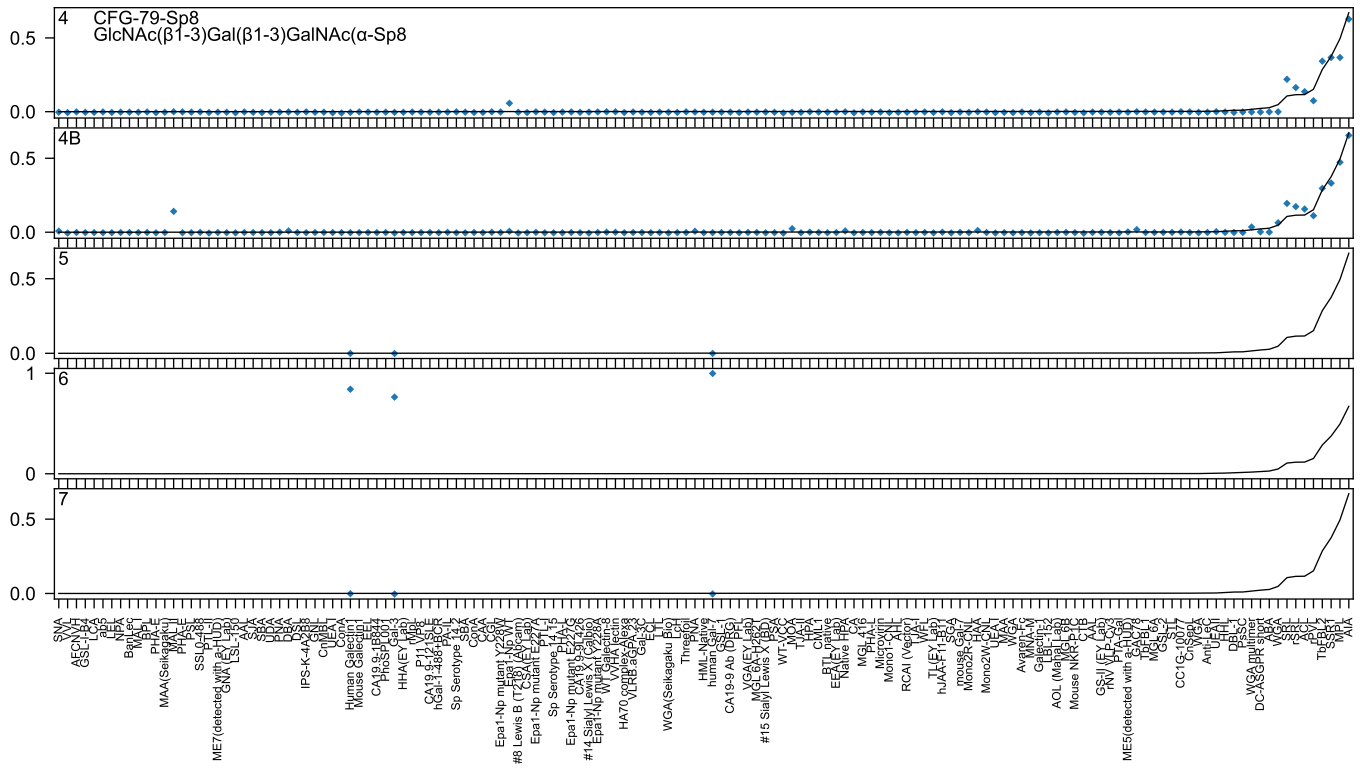

4
CFG-75-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
TJA-I
TJA-II
VVA
IPS-K24
IPS-K28
GS-II (EY Lab)
PHA-E
PHA-L
WT-VCA
ACA
ABA
HML
LBL
Galectin-1
#15 Sialyl Lewis X (BD)
PNA
PhoSL
SBA
hJAA-F11
BS1
Human Galectin1
VGA
UEAII
UEAI
ECA
MGL 6A5
MGL 6A6
CML1
MAA(Seikagaku)
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant
VST
WT Galectin-8
GAC78
AGA
WT Galectin-3
PNA
Sp Serotype 14 (ATCC)
PSL (Lab)
MAA
EEA(EY Lab)
hGal-1-488+dBCR
MicroVil
CA19-9 Ab (DSA)
DSA
Sp Serotype 14-2
HA70 complex-Alexa
CA19-9-V-488
GSL-I-B4
VIA4
OA
Epa1-Np mutant E2126
#8 Lewis B (T218) (Abcam)
AIA
ATA
LEL
CpMBL
PaSO
TL(EY Lab)
ABL
BPL
BPA
Mouse NNR-P1G
SSA
PHA-P
Epa1-Np mutant E2172
CA19.9-12-SLE
PNGaseF
PTGN
VGA(EY Lab)
RCA(EY Lab)
PRA(EY Lab)
GNA(EY 1007)
ECL
PAL
Galectin-7
Gal-3C
ACA
Epa1-Np mutant Y228A
CA19
CSA(EY Lab)
UEA1
CA19.9-1B484
SJA
WGA
WGA(Seikagaku)
Epa1-Np mutant Y228W
OAA
MOA
Gal-3
Gal-1
VLRB.aGFP
Man-1
SBA
MAL
HHA(EY Lab)
TxBoI
NPA
ConA
Mouse Galectin-9
WFA
Galectin-1
Mono2R-CNL
mouse Galectin-7
Alexa-PNA
UEA1
DBA
BTL
PGA
GSL-I-A4
CTB
PSA
PSAE
human Galectin-7
MGL 6A6
ABA
MGL 6A5
MGSeq
TbFBL2
P11
VAB
WGA mutant
WGA mutant
ME7(detected with p-FUD)
MGL 6A4
ME5(detected with p-FUD)
Nonot-CNL
AOL (Mapa Lab)
PHA-E
AAL
PHA-L
TbFBL1
DC-ASGPR
SIA
Native HPA

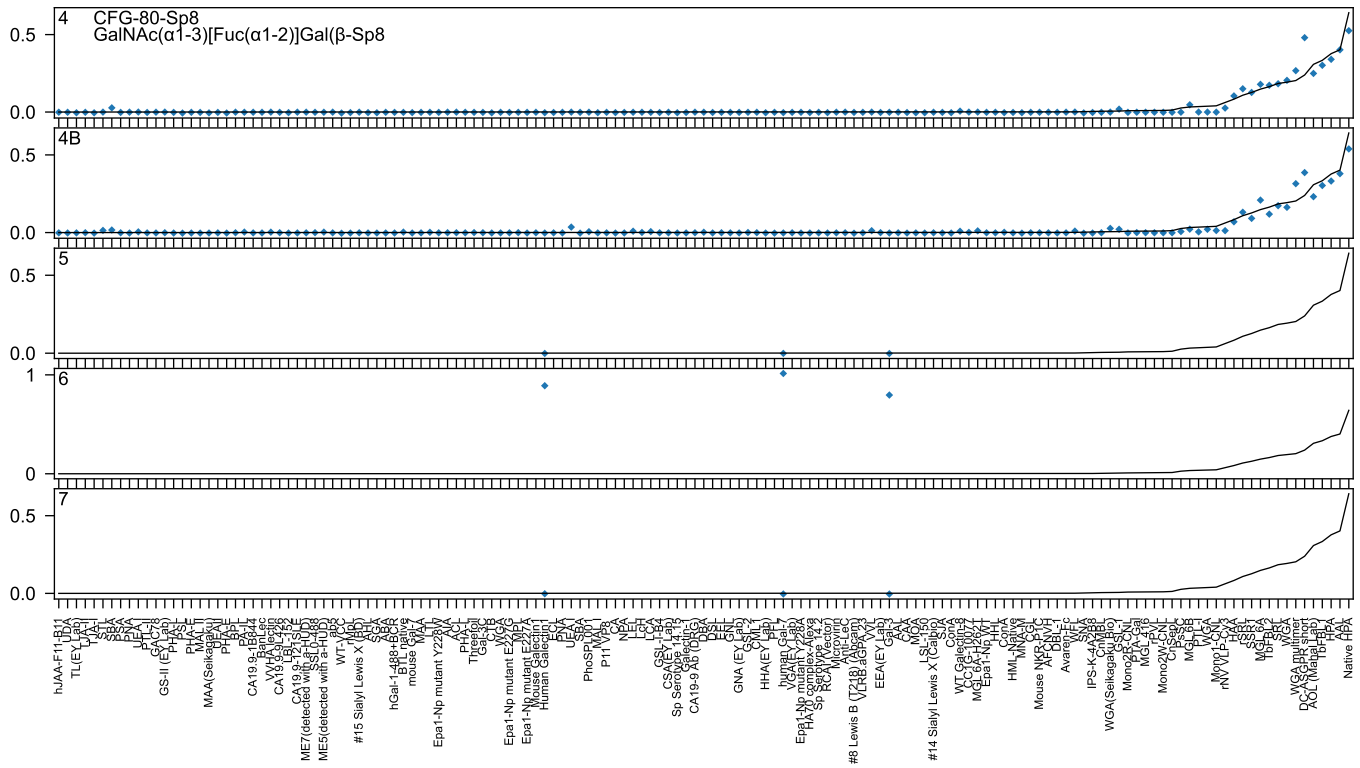

4
CFG-76-Sp0
Gal3OS(β1-4)[Fuc(α1-3)]Glc(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
SAA
GSII
VVHA
WGA multimer
HA70 complex-Alexa
CC1G-10077
WGA(Seikagaku) (Bio)
VVL
UEA
TL(EY Lab)
TJA-I
TJA-II
PTL-I
PTA-gal
human Gal7
cAX19 9-1-1-SCB
AAL
ABA
CrPA
Sp Serotype 14-2
DC-ASGPR short
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-18) APC(KW)
ME7(detected with a-FUD)
LBL-1
MOA
UEA-I
SNA
SSA
PHA-L
PHA-E
GS-II (EY Lab)
LSL-150
hJAA-F11-B1T
GNL
ACL
CSA(EY Lab)
GSL-I-B4
MOA
VGA
VGA
CoPA
DBA
Threose
DSL
AIA
GVIA
VIA
Mouse NKR-P1C
PHA-L
MGL 4-1a
IPS-K4A288
Microsun
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Sp Serotype 14-15
MGL 6A-H2-A
STA
AIA
CA19 9-1-B844
MGL 4-1a
HPA
CA19-9-Ab-Native
Gal-3C
Mono2-CONL
Epa1-Np mutant E227Q
PSA-C
GSL-I-A4
Galectin-1
hGal-1-488+BCR
Mono1-CONL
GNA(EY Lab)
WT Galectin-1
PhoSPL001
MNA-M
MGL-488
SSL-488
GAC-18
RCAI (Vector)
SEL
VGA(EY Lab)
Epa1-Np mutant (22-28)
Epa1-Np mutant (22-28)
SSEA-4
mouse Gal-7
PCL
VLRB.aGPA-23
Mono2W-CONL
P11 VP8
Epa1-Np WT
Avaren-1-F1
PHA-E
TNA
VGALT
EEA(EY Lab)
HHA(EY Lab)
PAC
Anti-Tn
NEA
PNA
rNV VLP-C13
Human Galectin1
Mouse Galectin1
CNSEA
BTL
BT-naive
W-CMLC
ME5(detected with a-FUD)
AOL (Mahal Lab)
AAL

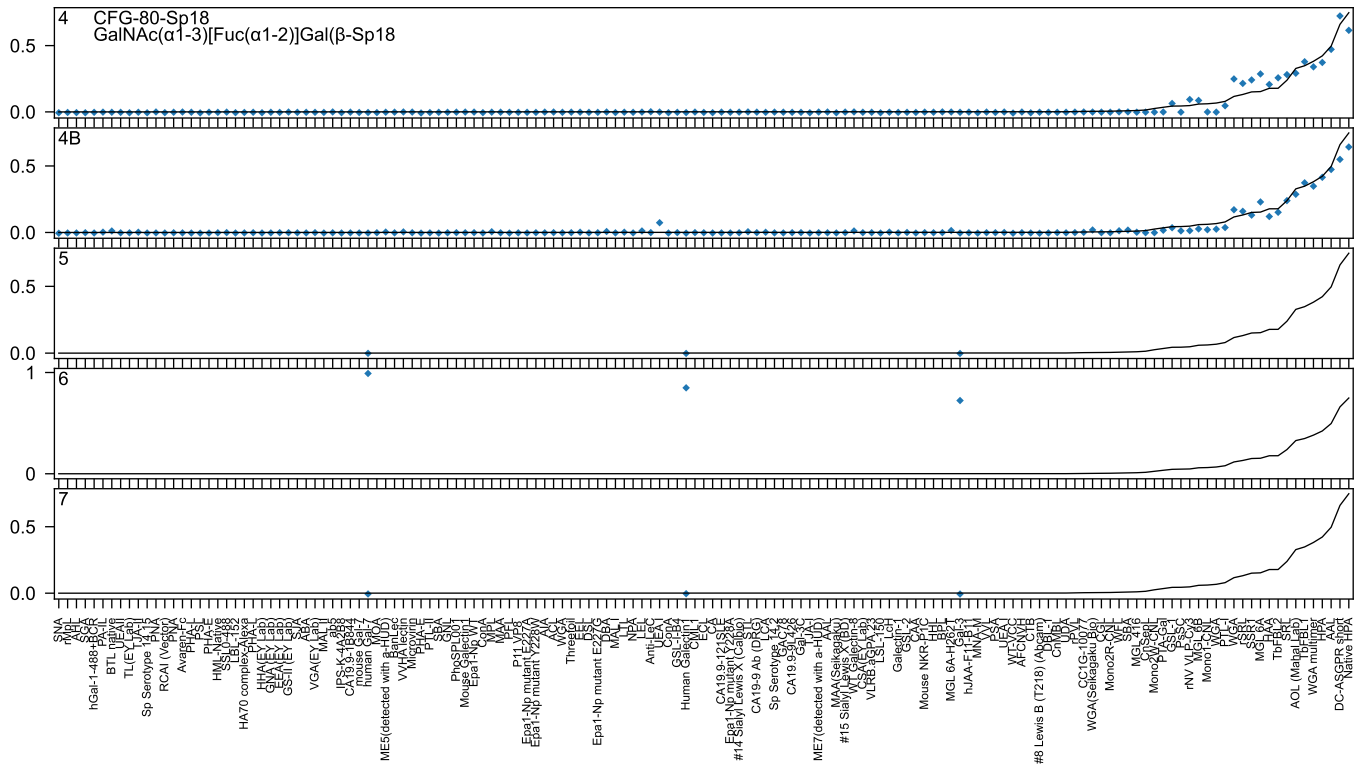

4
CFG-77-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
ABA
ABA
wheat germ
Microvil
PSA-1-4A2B8
CA19.9 Ab 126
CA19.9 Ab 116
1B4
1B4
VVHA (sulf)
HA70 complex-Alexa
MVB
SGA
PEA
UEA-II
UDA
TL(EY Lab)
SBA
GNA(EY Lab)
PNA(EY Lab)
ESA
ESA
Epa1-No WT
Epa1-No mutant Y228A
Epa1-Np mutant Y228A
PhoSL-101
PhoSL-101
Avaglin-F
GAC-78
BTL-1
hGal-1-48n+BBCR
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (BD)
VLRB-SP-488
ME7(detected with a HUD)
LSL-150
LSL-150
WT-AAL
MOA
MOA
MNEA
MNEA
#8 Lewis B (T218) (Abcam)
MGL 6A-H2/3A
MPL
Thrombin
RSA
ACL
ACL
P11 VB8
LCA
LCA
CCA
CCA
GSI-I-B4
CSA(EY Lab)
CHA
CHA
PHA-L
PHA-E
CTB
CTB
EEL
EEL
MAA(Seikagaku)
AIA
MALI
PNA
PNA-1
Mouse Galectin1
Human Galectin1
PSL
PSL
ECL
ECL
CoA
CoA
MALII
PHA-E
PHA-L
Sp Serotype 1
hJAX-P11-B11
Epa1-No mutant Ep2/7
Sp Serotype 14-15
Epa1-Np mutant Ep2/7
Epa1-Np mutant Ep2/7
PSA-2
PSA-2
EEA(EY Lab)
TJA-I
TJA-II
Galectin-1
RCA (Vector)
SJA
VGA(EY Lab)
VGA(EY Lab)
CC1G-1007
AOL (Mahal Lab)
AOL (Mahal Lab)
CA19.9 Ab (DRG)
WFL
ME5(detected with a HUD)
AFCHUD
AAL
MGL-4/6
Mono2WT
VGA
Mono2WT
GSII-A
Mono2WT-N
CNL
CNB
human Gal-7
Mouse NRR-PBTC
mouse Gal-1
Gal-3C
CHA-Hel
CHA-Hel
TpFBL2
Mono2WT
MGL-6B
MGL-6B
HPA
HPA
MGL-6A
PsaSC
PsaSC
PSA
WT Galectin-3
hNV-VLP 2x3
SJL
SJL
PTL-I
PTL-I
TKA
WGA
DC-ASGPR-FBL1
DC-ASGPR-FBL1
WGA(Seikagaku)
Native HPA
HPA
WGA multimer

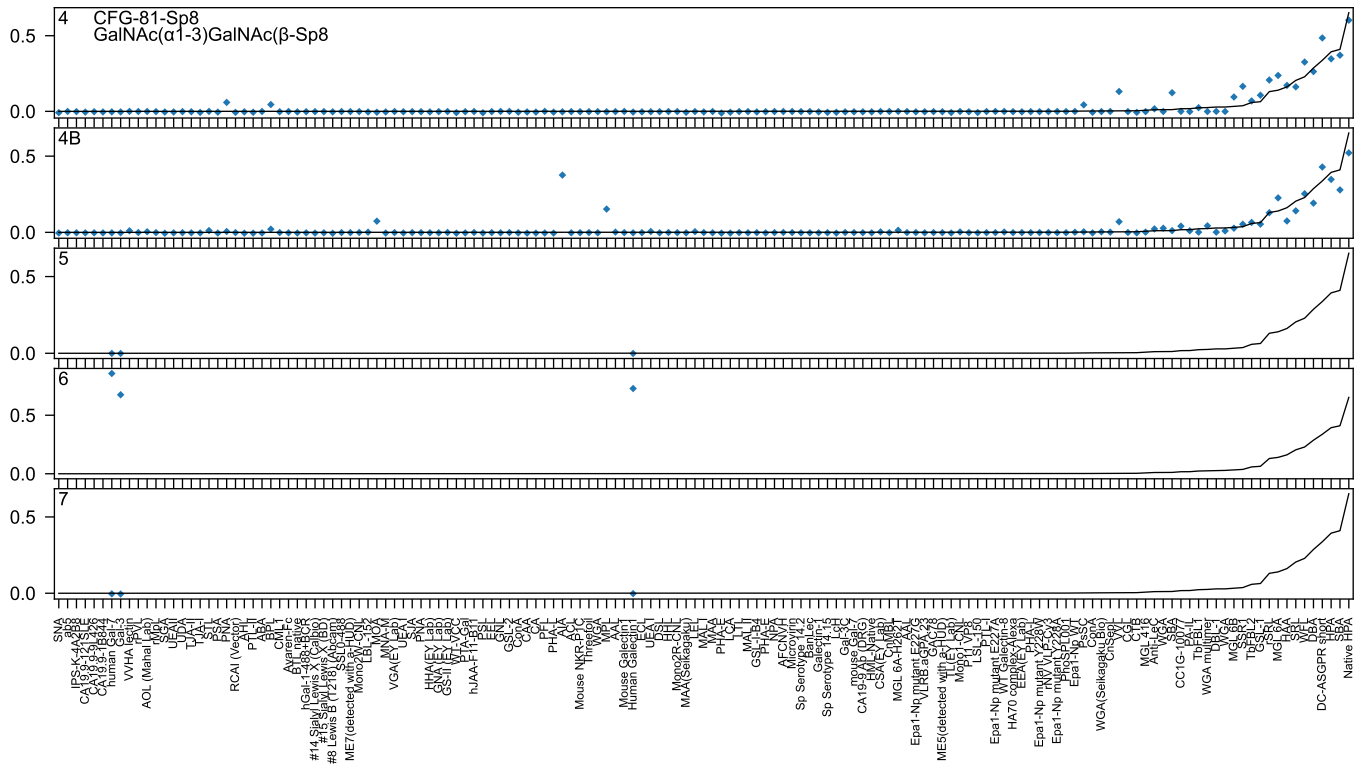

4
CFG-77-Sp8
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
ABA
ABA
IPS-K-4-1-Sp8
CA19.9-21-Sp8
CA19.9-18B44
Bap90
HA70 complex-Alexa
DSA
Mgl
SGA
LEA
LCA
UEA-I
PNA
RCAI (Vector)
GSII (EY Lab)
EEA (EY Lab)
HHA (EY Lab)
PHA-E
PHA-L
Epa1-Np WT
Epa1-Np mutant E226A
Epa1-Np mutant Y226A
PhoS-PNP1
CA19-9 Ab (DRG)
Galectin-1
Galectin-7
Sp Serotype 14-15
BTL native
SSL-1-188
LSL-150
WT-ACE
MNA-N
VGA(EY Lab)
SBA
PNA
#14 Sialyl Lewis X (Calbiochem)
hJAA-F
MJ-R11
CA
CSA(EY Lab)
PFT (VR8)
AIA
GSL-I-B4
Threo(p)
LCA
Con A
CrTB
GSL-2
GSL-3
Mouse Galectin-1
NPA
Human Galectin-1
PHL
MALL
EEL
CVN
MAA(Seikagaku)
PHA-E
PHA-L
PWM
CAA
Epa1-Np mutant Y226A
#8 Lewis B (mouse) (EY Lab)
CA19.9-9E7
Epa1-Np mutant E227Q
mouse Galectin-3
Sp Serotype 14.2
GNA (EY Lab)
#33
VLRB.aGPA
GAL3
GAL7
hGal-1-488-BCR
VVHA
MOA
Microvirin
#15 Sialyl Lewis X (BD)
HWA (Lab)
MGL 6A-H2621
CC1G-10077
Anti-Lex
SBA
UEA-I
SNA
SJA
DBA
ACA
AFCNVN
ME5(detected with a+)
WFL
human Gal-1
Mono2R-CONI
VGA
MoSepi
AOL (Matrix Lab)
SSA
GSL-I
GSL-I-B4
Mouse NK-1-3C
Mono2N-CONI
PHA-E
PHA-L
Bs-58
MoPP PCNI
Mouse PCNI
WT Galectin-3
WGA-6A
TBPL
PTL-I
SBA
SJL
HPA
VVA
WGA
DG-ASGPR short
WGA(Seikagaku)
Native HPA
WGA multimer

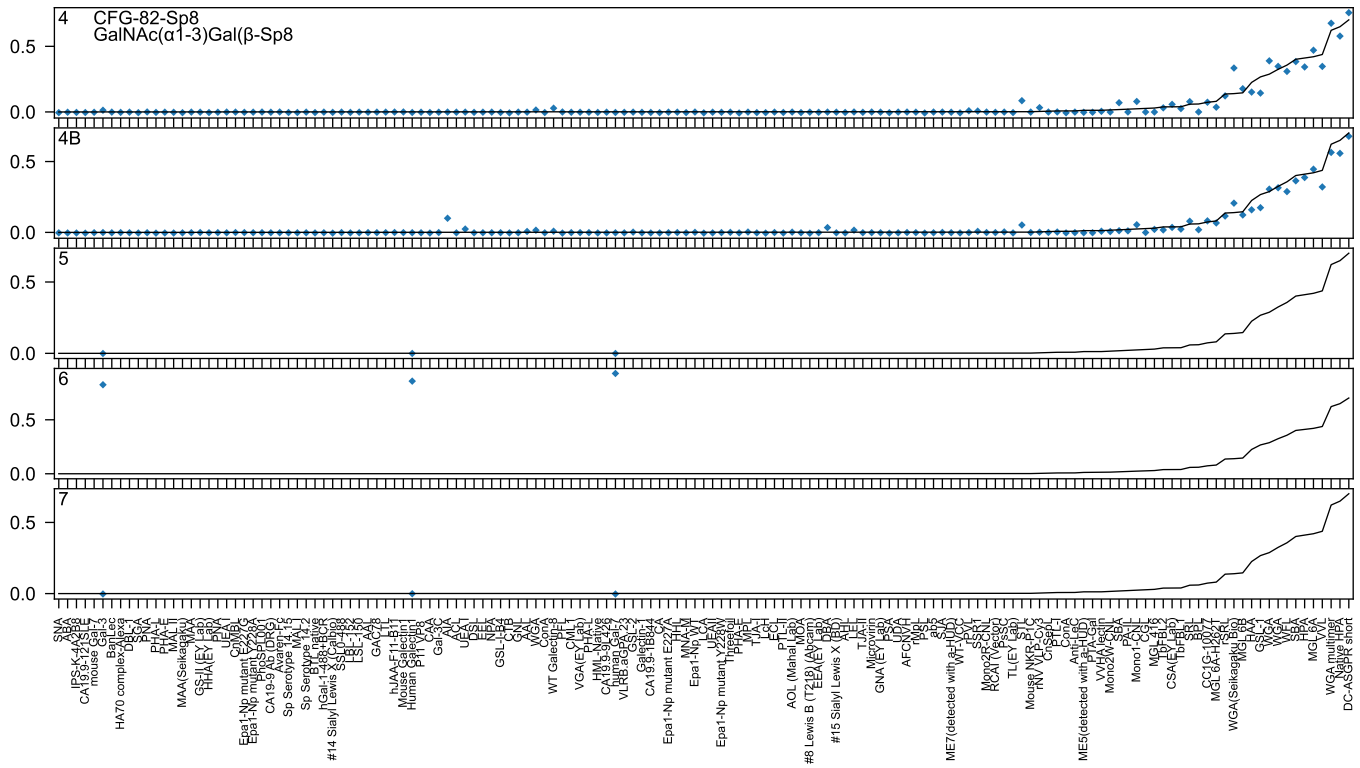

4
CFG-78-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
ABA
ABA
IPS-K-4-A
CA19.9-12-1
SGL
SGL
VVHA lectin
HA70 complex
DBL-1
CC1G-1N07
WGA(Seikagaku Bio)
UDA
TL(EY Lab)
LA-1
LA-1
SBA
GS-II (EY Lab)
PSA
EEA(EY Lab)
PHA(E)
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
CA19.9 Ab (DRG)
Avaglen-1-E
Sp SerotypeXIV
GAC-78
#14 Sialyl(Galα1-4Galβ)
#8 Lewis B (T218)
ME7(detected with α-HUD)
ME5(detected with α-HUD)
LBL-162
WT-MOX
MOX
VGA
PNA
HHA(EY Lab)
MGL-6A-H2B1
hJAA-F11-B1B
UEA(I)
WGA
EEL
AIA
Human Galectin-3
GSA(EY Lab)
GSL-I(EY Lab)
Eta2
CorA
GNA
GSL-2
GSL-3
CorA
PHA-E
Amaranthin
MAL-1
P11
Orp
PE-1
MAA
MAA(Seikagaku)
NPA
MAL
CA19.9-1B934
Epa1-Np mutant Y228W
Bacillus-SP
SJA
PA-2
VLRB.aGPA-23
Microvillin
HIM1-Native
Epa1-Np mutant E227G
#19 Sialyl(Galα1-4Galβ)
Sp1 Serotype 14-2
MPEAI
Mouse NKR-P1C
B1L mesothelin
LSL-150
PNA
CML-1
CA19.9-G1M3
UEA(I)
AAL
CA19.9-G1M3
Epa1-Np mutant Y228A
RCA(I)(Vector)
Epa1 PhA-E
Tnfrsf1a
PSL
VGA(EY Lab)
Galectin-1
VGA
GNA (EY Lab)
PHA(L)
AFCN
GSL-1
WFL
Mouse Galectin-1
PSA
PSA
GSSC
Mono2R-CNL
mouse Galectin-1
Mono2V-CNL
human Galectin-7
AAL
AOL (Marasmius oreades)
PNA
MGL-6A
TcfBL2
Mono PCSC
SRL
SRL
PHA-L
WT Galectin-8
MGL-6A
rNV VP1-BL3
DC-ASGPR short
Native HPA
WGA multimer

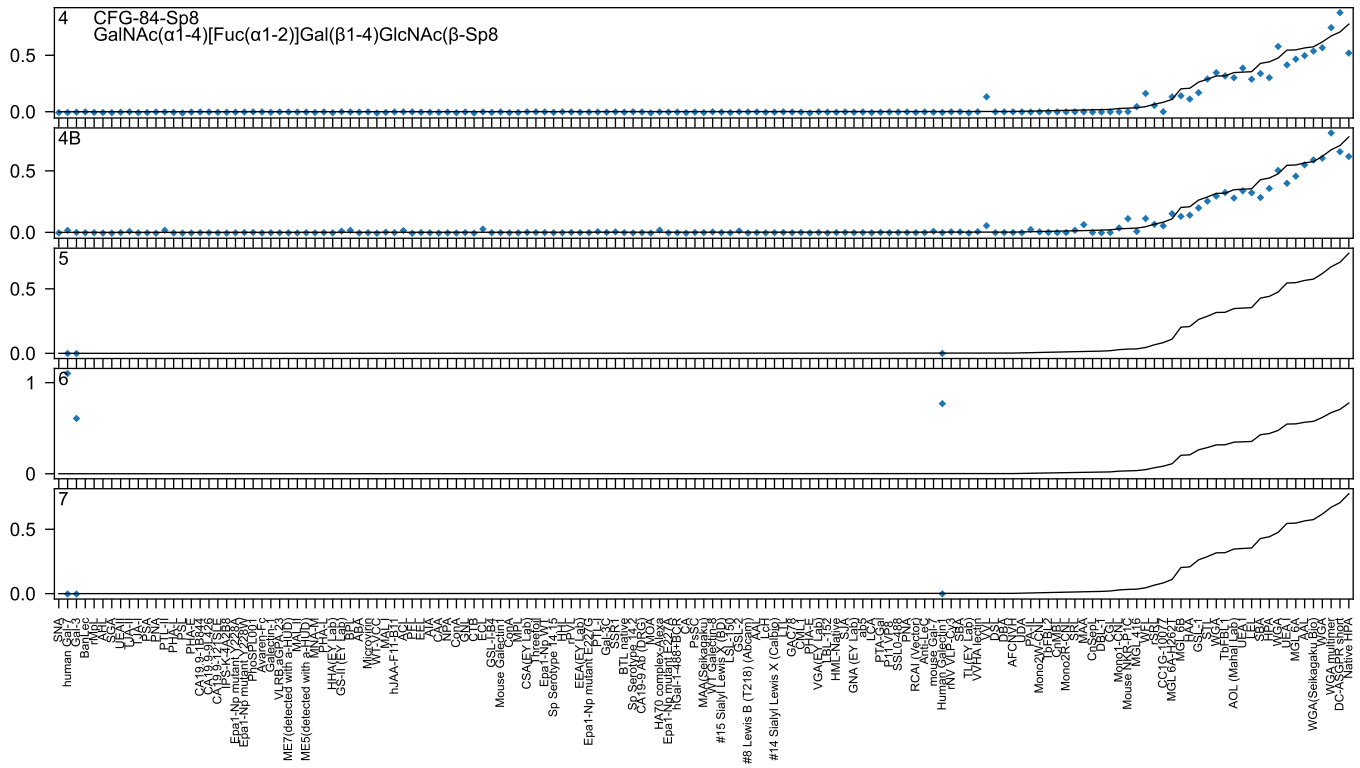

4
CFG-79-Sp8
GlcNAc(β1-3)Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SVA
SVA
AECNH
GSL-I-B4
CA
aab
NPA
BauLEy
WFA
BP
PNA
MAA(Seikagaku)
MAL II
PHA-L
BSE
SSA-p-488
ME7(detected with a-HUD)
GNA (EY Lab)
LSL-Lab
AAL
SBA
DBA
DBA
DBA
IPS-K-4A2B8
GNL
CVN
UEA-I
ConA
Human Galectin-1
Mouse Galectin-1
CA19-9-1B5A
PhoSP-L001
HHA(EY Lab)
Tan-3
Man
Man
P11
CA19-9-21-SLE
hGal-1-488+BCR
WA-2
Sp Serotype 14-2
SBA
CGA
CAA
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
#8 Lewis B (TRC)
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
Sp Serotype 14-15
Epa1-Np mutant E227G
CA19-9-Sal-426
#14 Sialyl Lewis a (TRC)
Epa1-Np mutant Y228F
WT-Galectin-8
HA70 complex-Alexa
VLRB aGA-42
GNA
ECL
WGA(Seikagaku Bio
Lch
Thy-1
PNA
HML-Native
human Galectin-3
GSL-I
CA19-9 Ab (DSL)
VGA(EY Lab)
MOA(EY Lab)
#15 Sialyl Lewis X (BD)
WT-VCA
MOA
TJA-I
TJA-II
CML1
BTL (EY Lab)
EEA (EY Lab)
Native HPA
HPA
MGL-416
HHA-L
Mouse-CNL
Mono1-CNL
Mouse-CNL
RCAI (Vector)
VAA
VAL
TL (EY Lab)
hJAA-F11-SE7
mouse Gal-7
Mono2R-CNL
Mono2W-CNL
UEA
WGA
Avarrhin
MMA-M
Galectin-1
AOL (Maitai Lab)
Mouse NKP-E08
CTB
MVL
GS-II (EY Lab)
nNV (EY Lab)
ME5(detected with a-HUD)
Tomato
Galectin-8
MGL-16
SJA
CC1G-10077
VVA
VVA
Anti-Tn
EAH
EHL
DSL
DBSSC
WGA
WGA-Dimer
DC-ASGPR
ABA
ABA
WGA
rSBL
rSBL
BOT
ThPBL2
SNA
MPL
AIA

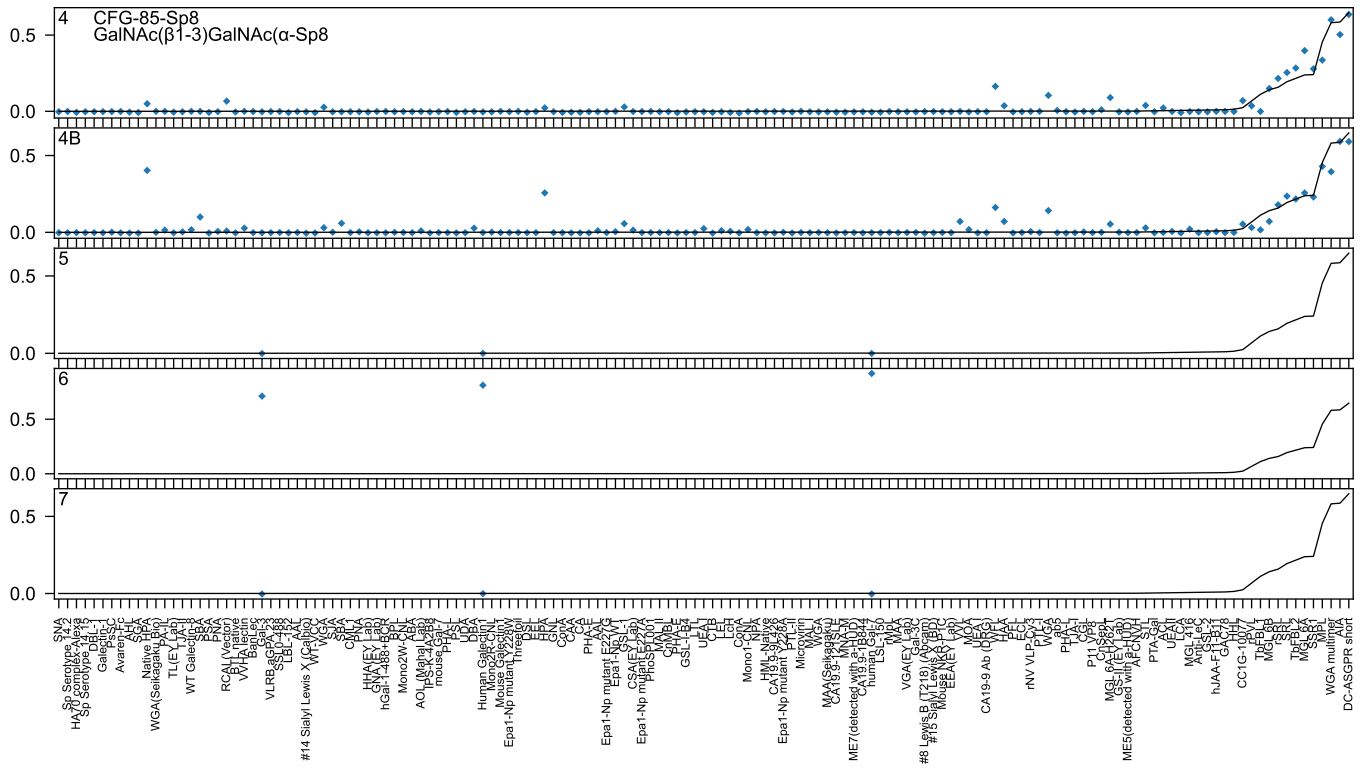

4
CFG-80-Sp8
GalNAc(α1-3)[Fuc(α1-2)]Gal(β-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-BJ1
TL(EY Lab)
UAA
SSL
BSA
PNA
LFA
PTL-I
GS-II (EY Lab)
PHA-L
PHAS
PLA-E
MAL-I
MAA(Seikagaku)
GEAN
PHA-E
BPL
CA19.9-Fc
EAA-L
Barley lec
VVA(Calbiochem)
CA19.9-Calbiochem
LBL-152
CA19.9-24-1-D5
LBL-1488
SSL(L488
ME5(detected with a-HuIgG)
ME7(detected with a-HuIgG)
WT-ACC
WT-ACC
#15 Sialyl Lewis X (BD)
SSL
ABA
ABA
hGal-1 488 mutant
BPL
mouse Galectin-1
MAA
Epa1-Np mutant Y228W
ACL
PHA-L
Thaumatin
Galectin-3C
VGA
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Mouse Galectin1
Human Galectin1
EC1
UEA-I
SBA
PhoSn
MAL-I
P11VP8
NPA
LCH
LCA
GSL-I (EY Lab)
CSA (EY Lab)
Sp Serotype 14-13
Sp Serotype 14-1
CA19-9 Ab (ORG)
DSA
EEL
GNL
GNA (EY Lab)
GSL-II
GAL7
HHA(EY Lab)
SBL
human Galectin-7
VGA(EY Lab)
Epa1-Np mutant Y228A
HA0 mutant Y98A
Sp Serotype 14-2
RCA
Micrococcin
Ann-Lec
#8 Lewis B (T218)
VRB aGPA(203)
VRB
EEA(EY Lab)
Gal-3
CAA
MOA
LSL
#14 Sialyl Lewis X(Calbio)
SJA
CGA
WT Galectin-8
SCA
MGA-1 (Dr.Oda)
Epa1-Np WT
ConA
Canavin
HML
MNA
CGL
Mouse NKG2D
ACG
DBL-I
Avarew-F
IPS-K-4
SNA
WGA(Seikagaku Bio)
ConMBP
Mono2R-ONL
MGL-1 Lab
Mono2W-PVL
Mono2W-EVL
OrsSeqL
MesSB
MPL-1
Mono1-VGA
rNVVLP-CYX
HPA
SSBL
MGL-1 Lab
MgbB2
VGA
VGA multimer
DOL(Wang Lab)
ACL(Wang Lab)
TbF-BL1
AAA
AAA
Native HPA

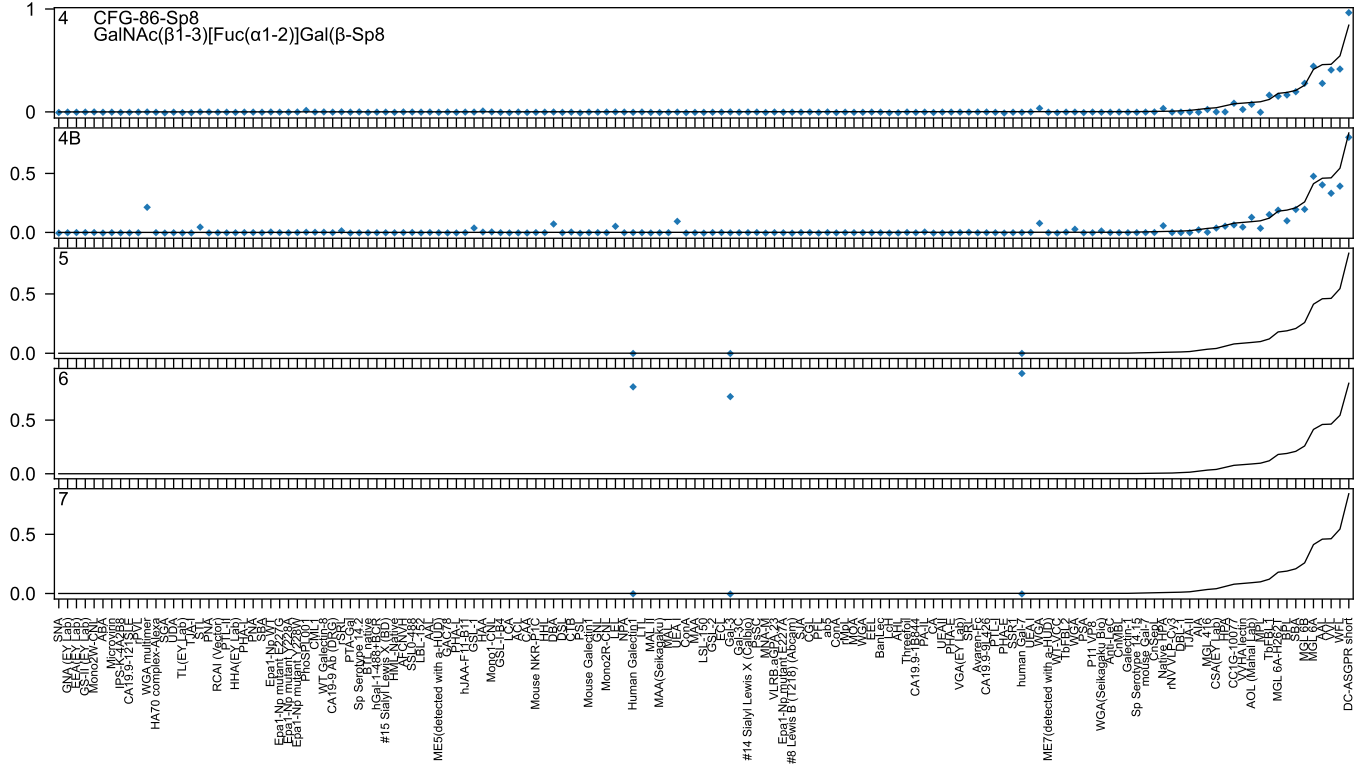

4
CFG-80-Sp18
GalNAc(α1-3)[Fuc(α1-2)]Gal(β-Sp18
4B
5
6
7
0.5
0.0
1
0
SNA
rnSL
ABL
hGal-1-488+BCR
PA-IL
BTL
UEAII
TL(E.Lab)
Sp Serotype 14 LPS
RCAI (Vector)
PNA
Avrp
PHA-E
PHA-L
HM_Native
SBL-488
HA70 complex-Alexa
HHA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
VGA(EY Lab)
ASA
Man
PRS K-48-488
CMH-488
mouse Gal-4
human Gal-7
ME5(detected with a-HUD)
VVH
Galectin
Microvirin
PHA-M
SBA
DSL
PhoSP-L001
Mouse Galectin-1
Epa1 Np
CorA
MAA
VFF
P11
Epa1-Np mutant Y227A
Epa1-Np mutant Y226W
ACL
Vicia villosa
Threonin
EEL
Epa1-Np mutant E227G
DBA
MPL
TL
NEA
Anti-LeC
CEA
GSL-I-B4
Human Galectin-1
ECL
ECA
CA19.9-121SLE
Epa1 Np mutant X
#14 Sialyl Lewis X (Calbiochem)
CA19-9 Ab (DSHB)
Sp Serotype 14
CA19.9-428
Gal-3C
ME7(detected with a-HUD)
MAA(Seikagaku)
#15 Sialyl Lewis X (BD)
CSA(EY Lab)
vLRB aGP-A-63
LSL
LGH
Galectin-7
CAA
Mouse NKR-P1
HPA
MGL 6A-Human Galectin-3
hJAA-Fucoidin
MNA
VVL
UEA
AIL
XCL
#8 Lewis B (T218) (Abcam)
CTB
CnMBL
PVA
CC1G-10077
WGA(Seikagaku)
DSI
Mono2R-VSL
SBA
MGL-416
Mono2N-CRL
PTL
GSL-I
PsaSc
rNV VP
MGL-488
Mono1-CRL
PHA-L
ISGA
SSBT
MGL
HAA
Tbp-B2
TbpB
AOL (Mahal Lab)
WGA multimer
HPA
DC-ASGPR
SGL
Native HPA

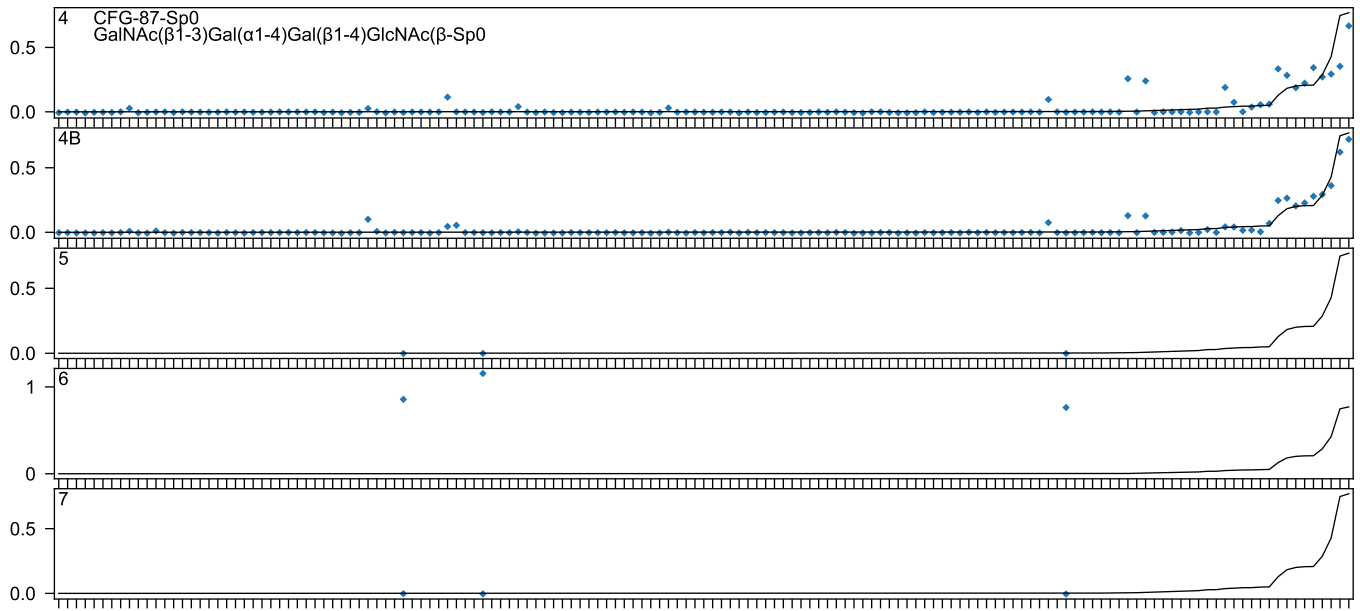

4
CFG-81-Sp8
GalNAc(α1-3)GalNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SNA
IPS-K-4A-2B8
CA19-9-2B8
CA19-9-3C326
CA19-9-1B844
human Gal-3
Gal-3
VVHA (Sigma)
AOL (Mahal Lab)
WGA
UEA1
UEAI
TJA-I
TJA-II
PSA
PNA
RCAI (Vector)
PHA-L
PHA-E
ABA
BPL
CNL
Aviren-Fc
hGal-1-Fc-HIS
#14 Sialyl Lewis X(Calbio)
#5 Lewis B(Y-218)(Calbio)
#8 Lewis B(Y-128)(Calbio)
SSL(Calbio)
ME7(detected with a-FUD)
Mono2R-CNL
LBL-M82
MVA-M
VGA(EY Lab)
SVA
SNA
HHA(EY Lab)
GNA(EY Lab)
GSII-B4(EY Lab)
RT-VEC
hJAA-F11-Fc
PSL
PSL
GNL
GSL-2
CGA
CAA
PA
PHA-L
PHA-E
AAA
Mouse NKR-P1C
Thrombin
WGA
MPL
AAL
Mouse Galectin1
Human Galectin1
UEA1
HPA
HPL
Mono2R-CNL
MAA(Seikagaku)
MAL
MAL II
PHA-E
LCA
PHA-L
GSL-4
PHA-E
NPA
AFCVN
Microvirin
Sp Serotype 1,2
Sp Serotype 1,2
Galectin-1
Sp Serotype 14-31
Gal-3C
mouse Gal-3C
CA19-9-Ab (ORG)
LMW-Fucoidin
CSA(EY Lab)
CSA(Nature Chem Biol)
MGL 6A-H2-Fc
Epa1-Np mutant E227G
Epa1-Np mutant E227G
VLRB.aGAC78
ME5(detected with a-FUD)
Mono1-CNL
Mono1-CNL
PSL-VPS
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np W01
Epa1-Np W01
PsSC
WGA(Seikagaku,Calbio)
ChiSeq
CGL
CGL
MGL 411B
Anti-LeX
Anti-LeX
VGA
SBA
CC1G-10077
CC1G-10077
TbFBL1
TbFBL1
WGA mutant
WGA
WGA
MGL 5B8
MGL 5B8
TbFBL2
TbFBL2
GSII-B4
GSII-B4
MGL 6A
MGL 6A
SBA
SBA
DBA
DBA
DC-ASGPR short
DC-ASGPR short
SBA
SBA
Native HPA
Native HPA

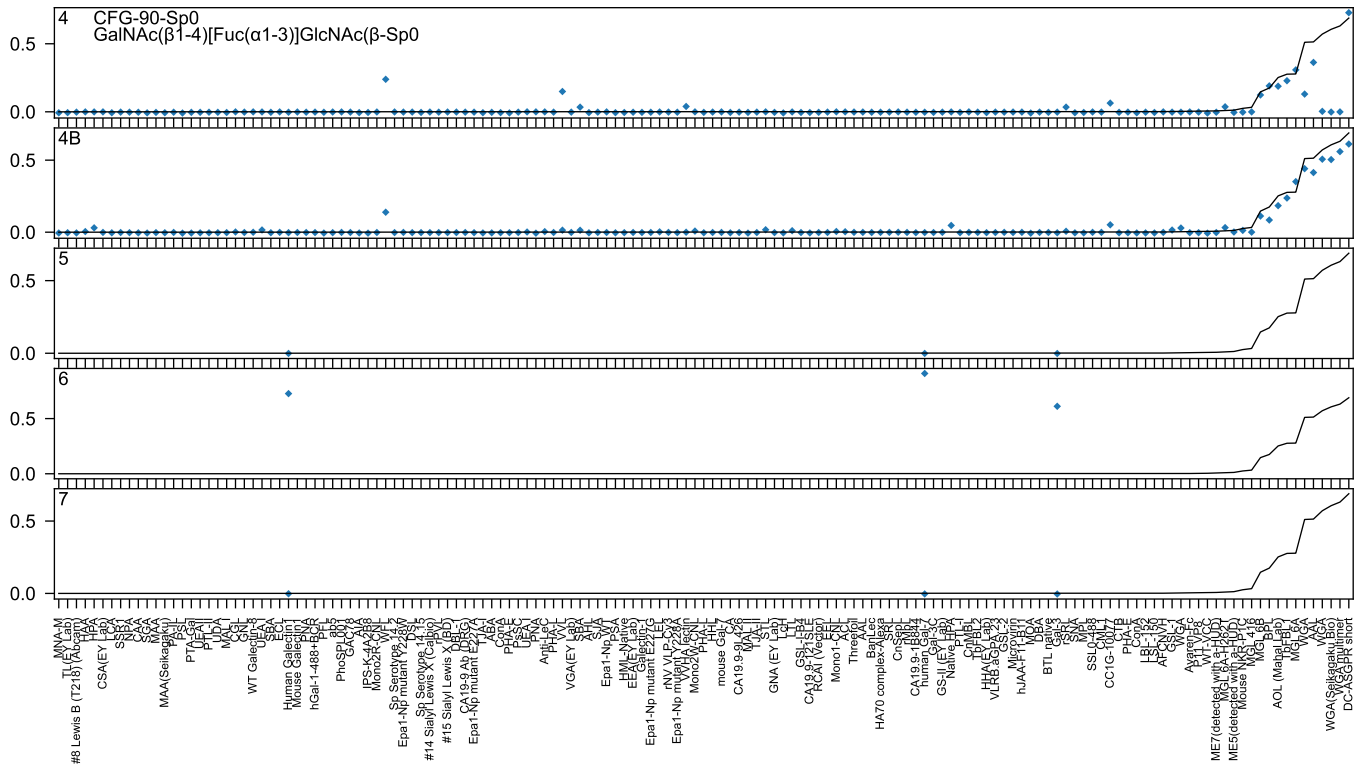

4
CFG-82-Sp8
GalNAc(α1-3)Gal(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SBA
IPSK-14-A258
CA19-9-Alexa
mouse Gal-7
Gal-3
Bandeiraea
HA70 complex-Alexa
DBA
GNA
PNA
PHA-E
MAL II
MAA(Seikagaku)
MAA
GSL-I(EY Lab)
HHA(EY Lab)
PNA
CoTA
Epa1-Np mutant E227G
Epa1-Np mutant Y228N
HPSP1001
CA19-9 Ab (DRG)
Average
Sp Serotype 14,15
Sp Serotype 4
MAL I
Blk naive
#14 Sialyl Lewis X (Gal-1-488)
Lewis SSP-488
LSL-150
GAL8
hJAA-F11
Mouse Galectin-1
Human Galectin-1
PTL
CAA
Gal-3C
ACL
UEA I
EEL
EEL-HRP
GSL-I-B4
CTB
AAL
VVA
UDA
WT Galectin-8
CML
VGA(EY Lab)
HML-Native
CA19-9-Alexa
Human IgG
VLRB aGPC23
GSL-2
Gal-1
CA19-9-B844
Epa1-Np mutant E227A
HHL
MNA-M
Epa1-Np WT
UEA I
Epa1-Np mutant Y228N
TPA
PPA-Cel
MPL
TJA-I
TJA-II
PTL-I
PTL-II
AOL (Mahal Lab)
#8 Lewis B (T218) (Abcam)
ELA(EY Lab)
#15 Sialyl Lewis X (BD)
AEL
TJA-II
Mexvirin
GNA(EY Lab)
PSA
ACA
AFCU
NPA
Tn98
ab5
ME7(detected with anti-HUD)
WT-VCC
SSA
SSA1
Mono2R-CNL
RCA(Vector)
TL(EY Lab)
Mouse NKR-P1C
rNV VP-Fcγ3
CFHT
PHT-I
AmpA
ME5(detected with anti-HUD)
VVH-Lectin
Mono2W-CNL
PAL
Mono1-CNL
MGL-418
CSA(EY Lab)
TcFB1
BPL
GCIC
MGL-1001
WGA(Seikagaku)
SSL
HAA
GorCA
WGA
SBA
PSA
HPA
VVL
WGA mut HPA
Native HPA
DC-ASGPR short

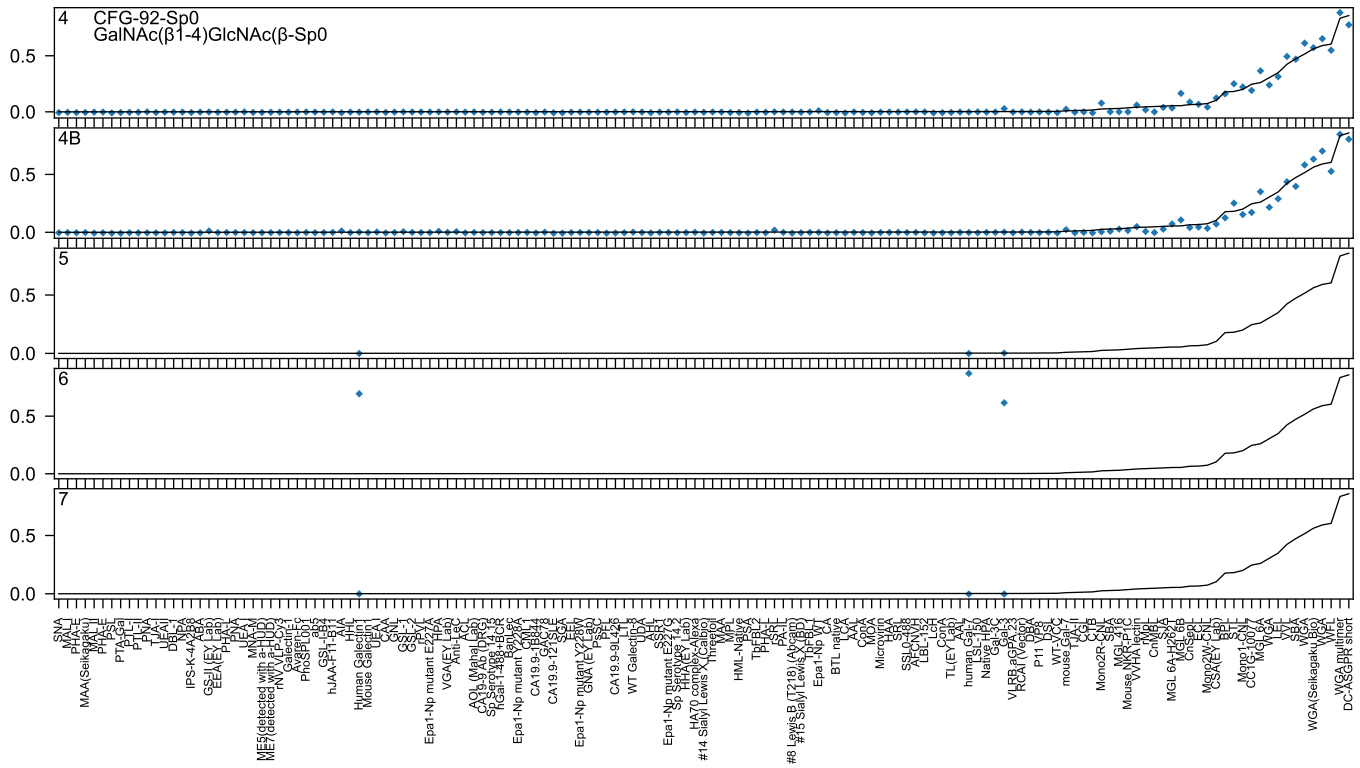

4
CFG-84-Sp8
GalNAc(α1-4)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.5
1
SNA
Gal-4
Gal-3
human Gal-7
BanLec
ACL
ABL
UEA1
LCA
PSA
PNA
PTA
PHA-L
PHA-E
CA19-9 (19A)
CA19-9 (121SLE)
CA19-9 (116NS)
Epa1-Np mutant 4-228W
Epa1-Np mutant 4-228Y
PNA(Vector)
Galectin-1
VLRB(Vector)
ME7(detected with a-HuD)
ME5(detected with a-HuD)
MAL
MNA-M
MNA-N
HHA(EY Lab)
GS-II(EY Lab)
ABA
Wheat germ
MAL1
hJAA-F11
PB1
PEE
ATA
GNA
CVN
CNB
ECA
GSL-I
Mouse Galectin-1
CNA
CSA(EY Lab)
Epa1-Nres(0)
Sp Serotype 14-15
PUL
EEA(EY Lab)
Epa1-Np mutant E-41-L
GSL-IV
Galectin-3
Sp Serotype 7-F
BTL native
Sp Serotype 7-C
CA19-9 (116-NS)
HA70 complex 2-3/97A
Epa1-Np mutant 4-228Y
hGal-1-488-BCR
MOA
DSA
PsSC
MAA(Seikagaku)
#15 Sialyl Lewis X (BD)
LTA
#8 Lewis B (T218) (Abcam)
SSL3
LCH
#14 Sialyl Lewis X (Calbio)
GAC78
PNAL
VGA(EY Lab)
HML Native
SJA
GNA (EY Lab)
abo
LCA
PTA
P11-VP8
SSLO-PNA
RCA
RCA(Vector)
Human Galectin-1
mouse Gal-7
rat Galectin-1
TT
VVA (EY Lab)
SBA
VVA
XVI
DBA
PAL
AFCN
NOA
PAL
Mono2W-EPN
Mono2R-SIR
CholBT
Mono2R-SIR
MAA
DSBP1
Mono1-Cal
Mono1-Cal
Mouse NKR-P1C
MGL-4.1E
MGL-6A-1D6
CC1G
MGL-6A-1D6
MGL-6B
GSL-I
VGA
VGA
AOL (Maria)
TbFBP1
LEL
LEL
HPA
HPA
UEA1
MGL-6A
WGA(Seikagaku)
Bac
WGA
WGA
WGA(Pierce)
DC-ASGPR
Native HPA

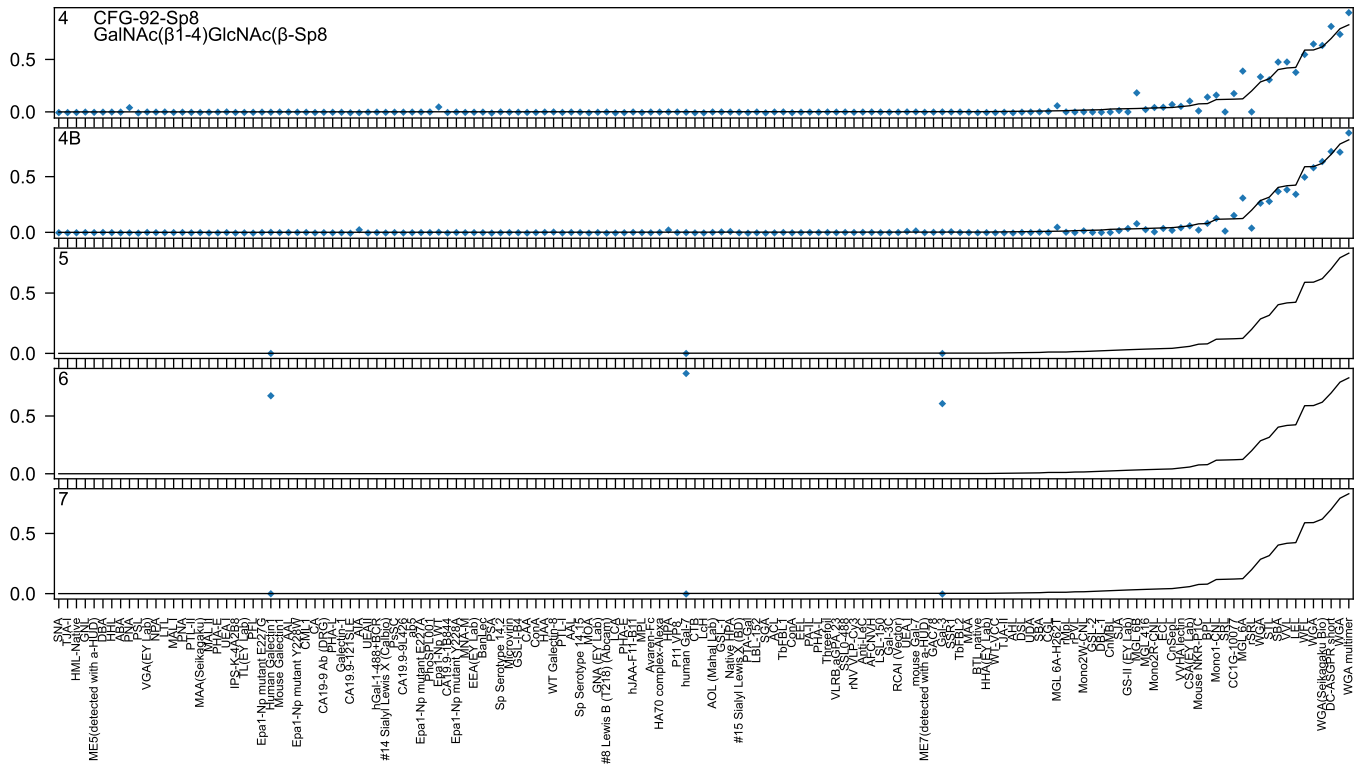

4
CFG-85-Sp8
GalNAc(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
SNA
SAA
Sp Serotype 2
HA70 complex-Alexa
Sp Serotype 1
DBL-1
Galectin-1
BPE
Avarem-Fc
ACL
ACA
Native HPA
WGA(Seikagaku)
LAD
TL(EY Lab)
WT Galectin-8
SBA
SSA
PNA
RCA1(Vector)
RBA
VVH
Ha lectin
Bacillus
Galectin-3
VLRB.aGPA.233
Galectin-7
LBL-182
#14 Sialyl Lewis X (Calbiochem)
WT-VOA
VOA
VGA
SPA
CPA
PNA
HMA(EY Lab)
GNA
hGal-1-488+6CR
Mono2W-PNA
AOL(Matal Lab)
hPS-K1-488
mouse Gal-7
PSA
PSL
DBA
UDA
Human Galectin-1
Mouse Galectin-1
Epa1-Np mutant Y228W
Thrombin
DSA
EEA
GNL
CAA
CA
PHA-L
AAL
Epa1-Np mutant E227G
Epa1 Wt
GSL-I
CSA(EY Lab)
Epa1-Np mutant F232
phoSPTA01
CNBL
PHA-E
GSL-I-B4
LTA
UEA-I
LEL
LEA
Con A
Mono1-PNA
HML-Native
CA19-9-488
Epa1-Np mutant F232
PHA-L
Mico(EY Lab)
WGA
MAA(Seikagaku)
CA19-9-PE
MNA-M
ME7(detected with MNA-M)
CA19-9-TB482
human Gal-7
LSL
MPL
VGA(EY Lab)
#8 Lewis B (T218) (Alexa)
#19 Sialyl Lewis X (BD)
Mouse NEP-FITC
EEA(EY Lab)
WA
UEA-I
UEA
CA19-9 Ab (ORG)
HPA
HAA
EEL
rNV VLP-Cy3
WGA
abo
PHA-L
PHA-E
P11
Con A
Consep
MGL-PA-Alexa
MGL-PA-Alexa
ME5(detected with a-HUD)
APC-SYL
PTA-Gal
UEA-I
MGL-LeC
Anti-LeC
hJAA-F-FITC
GAC78
CC1G-10077
PBA
MGL-PAB
ThPBL2
MGL-PAB
ISBL
ThPBL2
MGL-PAB
WGA
MPL
WGA multimer
APA
DC-ASGPR short

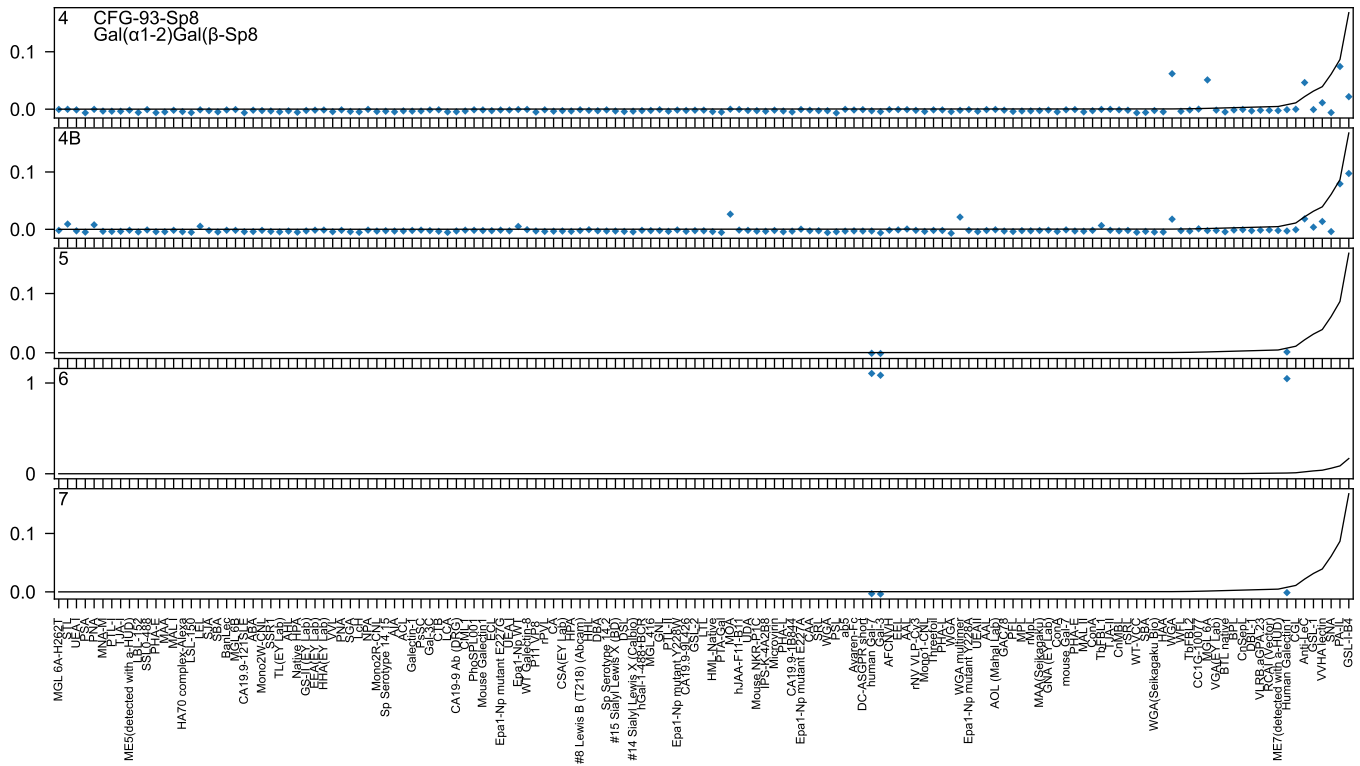

4
CFG-86-Sp8
GalNAc(β1-3)[Fuc(α1-2)]Gal(β-Sp8
4B
5
6
7
1
0.5
0.0
SNA
GNA (EY Lab)
EEA (EY Lab)
WGA (CNJ)
Mono2W-CNJ
ABA
Microcin
IPS-K42288
CA19.9-12 (SVT)
WGA multimer
HA70 complex-Alexa
UEA
DBA
TL(EY Lab)
PNA
SJA
RCAI (Vector)
HHA(EY Lab)
PHA-L
SBA
Epa1-Np mutant
Epa1-Np mutant Y228A
Epa1-Np mutant S228N
Mono2S-CNJ
CMCI
WT Galectin-1
CA19.9 Ab (BRG)
Sp Serotype 14-2
PTA(SBL)
Sp Serotype 14-2
hGal-1 Sialylated
#15 Sialyl Lewis X (BD)
HWA-CNJ
SSL-488
LBL
AAL
ME5(detected with a-HUD)
PHA-E
hJAA-F (Sigma)
Mono1-CNJ
GSL-I B4
LCA
CAA
Mouse NKR-P1C
DBA
OAA
PSL
Mouse Galectin
Mono2R-CNJ
NPA
Human Galectin
MAL II
MAA(Seikagaku)
UEA
WGA
LSL
Sp Serotype 14-2
ECL
Gal-3
#14 Sialyl Lewis X (Calbiochem)
MNA-M
VLRB.aGP2.23
Epa1-Np(Vector)
#8 Lewis B (TF218) (Abcam)
SJA
SNA
PFL
aGC
CAA
Man
WGA
EEL
Bau-1
LCH
Thrombin
CA19.9-1B44
PNA
PCA
UEA
PHA-E
VGA(EY Lab)
SPA
Avarol
CA19.9-1B426
PHA-E
SSA
human Galectin
UEA
ME7(detected with a-HUD)
WT-VCC
Tomato
PSA
P11 (Vector)
WGA(Seikagaku Bio)
AOL-MBC
Galectin-1
Sp Serotype Gal-15
mouse Gal-1
CnSep1
NVJ-VB-CV3
DBL-1
AIA
MGL 416
CSA
HPA
CVN
HA (lectin)
AOL (Mahal Lab)
TbPBL1
MGL 6A-H2-2B2
SBA
MGL 6B
MGL 6A
VAA
WFL
DC-ASGPR short

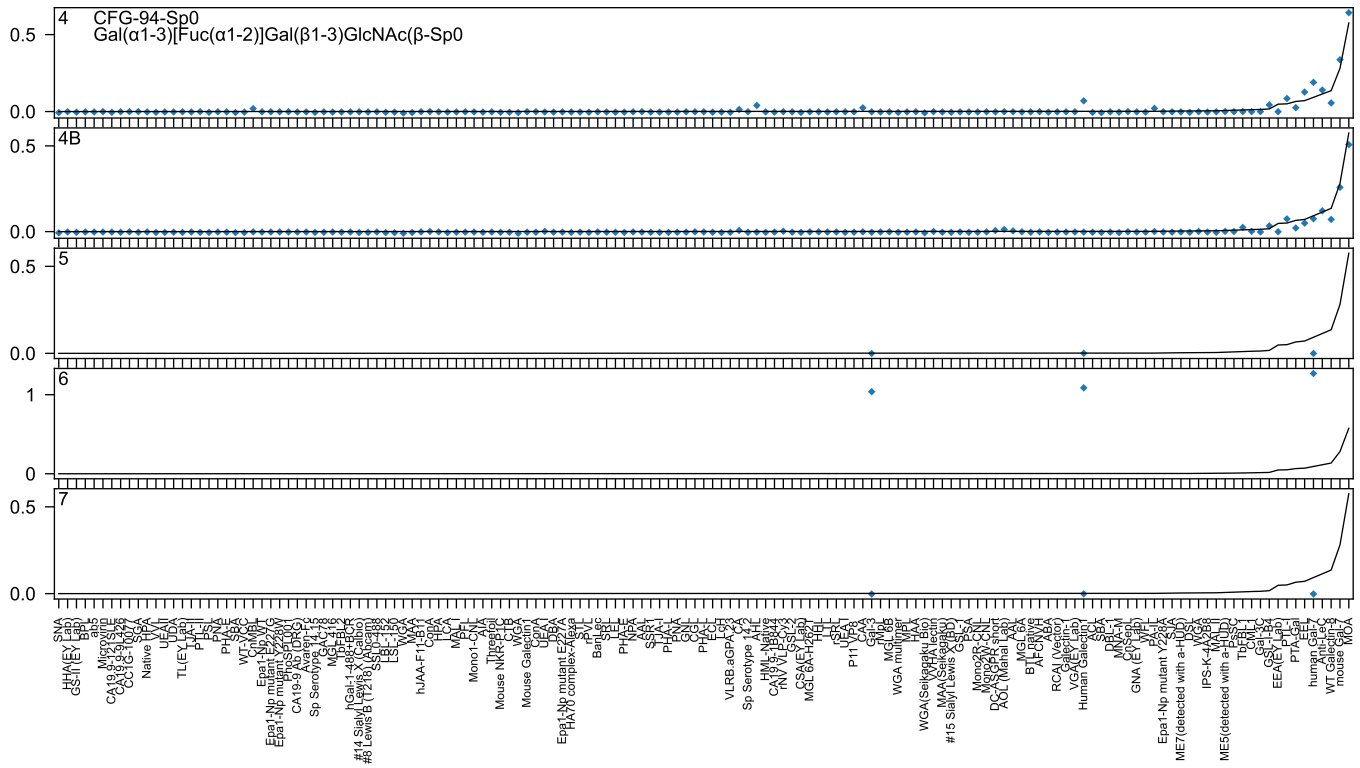

4
CFG-87-Sp0
GalNAc(β1-3)Gal(α1-4)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.0
0.5
1
SNA
SNA
PHA-E
PHA-L
PTA-Gal
PTA-L
SBA
SBL
TL(EY Lab)
UEA-I
UEA-II
TbpB-2
ABL
TbpB-1
NPA
hGal-1-488+BcR
#8 Lewis B (12218) (Abcam)
IPS-K-4A238
EEA(EY Lab)
PHA-E(Ab)
PNA
SJA
VGA(EY Lab)
ACA
#14 Sialyl Lewis X (Calbio)
MAL
ME5(detected with a-HUD)
Galectin-1
LCA
UEA
ConA
Human Galectin1
Mouse Galectin1
BPL
GSL-2
GNA
DBA
Epa1-Np mutant E227G
human Galectin-7
SSL
HPA
LTL
Epa1-Np mutant V228W
ACA
PHA-L
BTL (BNV)
CA19-9 Ab (DRG)
BanLec
GAC-78
CA19-9-16844
Sp Serotype 1 a-2
GNA(EY Lab)
PSA
SNA
WGA
abo
Epa1-Np mutant V228A
CA19-9-9429
Epa1-Np mutant E227A
WT Galectin-8
Microvirin
MAA(Seikagaku)
#15 Sialyl Lewis X (BD)
CA19-9-12-SLE
Sp Serotype 1 a-3
SSL-L488
Epa1-Np WT
rNV VLP Sa23
PHA-E
Mono2R-CNA
RCA1(Vector)
CTB
PhoSL
MOA
ConA
GSL-I-B4
UEA-I
VLRB.aGPA 23
AOL (Mansel Lab)
AEONVH
HHA(EY Lab)
hJAA-F FH
PBL-11
CGL
BL-I-B2
Native Lec
UDA
GalCS
AvarpES
ME7(detected with a-HUD)
GS-II (Calbiochem)
SSL-L488
Mouse NK-1 Fc
PNA
WGA
WGA(Seikagaku, BS)
AIA
ConSepA
Mono1CONI
MGL-418
Mono2VCSK
MGL-88
MGL(EY Lab)
CSA(EY Lab)
CC1G-10077
MGL
WFA
STL
SEA
VVL
WGA multimer
DC-ASGPR short

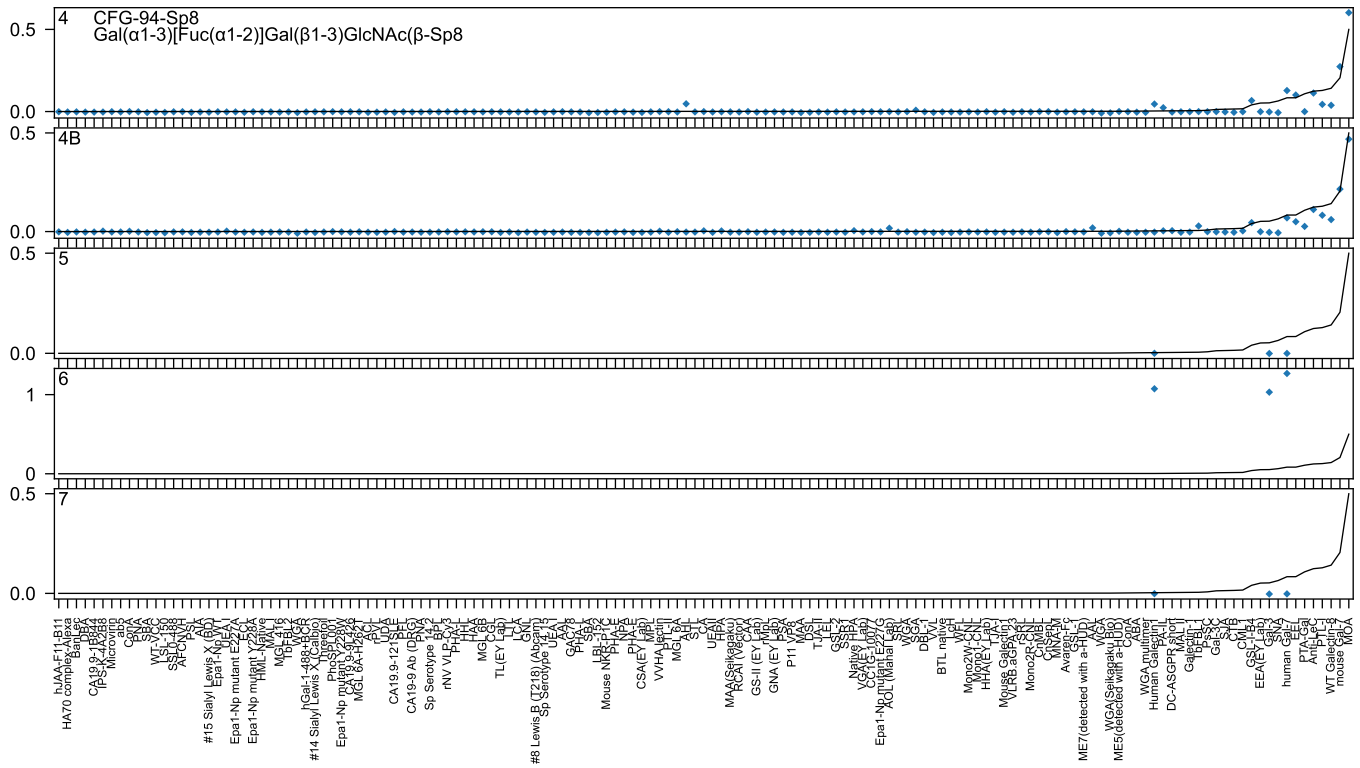

4
CFG-90-Sp0
GalNAc(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
MVA-1
TL(EY Lab)
#8 Lewis B (T218) (Abcam)
CSA(EY Lab)
HPA
SSA
SSB1
SCA
SGA
MAA
MAA(Seikagaku)
PNA
PASI
PTA-Gal
PTA
PFA
UDA
MOA
GNL
WT Galectin-1
ECA
SBA
VVA
Human Galectin1
Mouse Galectin1
hGal-1-488+BCR
ab5
PhoSP-001
GAL-8
AIA
IPS-KA288
MonoclRomA
WFL
Sp Sialoglycan Y2187
Epa1-Np mutant Y2187
DSL
Sp Sialoglycan 1
#14 Sialyl Lewis X (Calbio)
Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
TEL
DBL
CA19-9 Ab
Epa1-Np mutant E227Q
TJA-I
TJA-II
CGA
PHA-E
UEA-I
PNA
Anti-Tn
PHA-L
LCA
VGA(EY Lab)
SBA
VVA
SVA
Epa1-Np WT
Epa1-Np mutant Y228A
HMI-Naive
EEL(EY Lab)
Epa1-Np mutant E227G
rNV VLP-CC3
Epa1-Np mutant Y228A
rNV VLP-CC5
Mono2A(ENL)
WFA
PHA-L
mouse Gal-7
CA19.9-IL426
MAL II
ISL1
GNA (EY Lab)
LTL
GSL-I-B4
CA19.9
GSL-I-B4
RCAI (Vector)
Mono1-CBL
ACL
Thy1-AAL
AAL
BanLec
HA70 complex-Alexa
SRL
CrmA
NPL
CA19.9-18844
human Gal-7
GalNAc
GSL-II (EY Lab)
NeuNAc
PTL-I
TCA
CGB
HHA(EY Lab)
vLRB.aGSL-2
GSL-2
Mistletoe(Vector)
hJAA-F
WGA
DBA
BTL human
Gal-3
ISA
SNA
MPA
SSL(Vector)
CNLH
CC1G-10UT6
PHA-E
LBL-I-102
ABL-180
ATL(Vector)
GSL-I
WGA
Aleuria
P11-VP8
WT-10UT
WT-10UT
ME7(detected with 10UT)
MGL 8A-1-2B2
ME5(detected with 10UT)
Mouse MGL
MGL 4-1B
BGP
AOL (Matsu Lab)
MGL-8A
VGA
WGA
WGA(Seikagaku)
WGA(Vector)
DC-ASGPR short

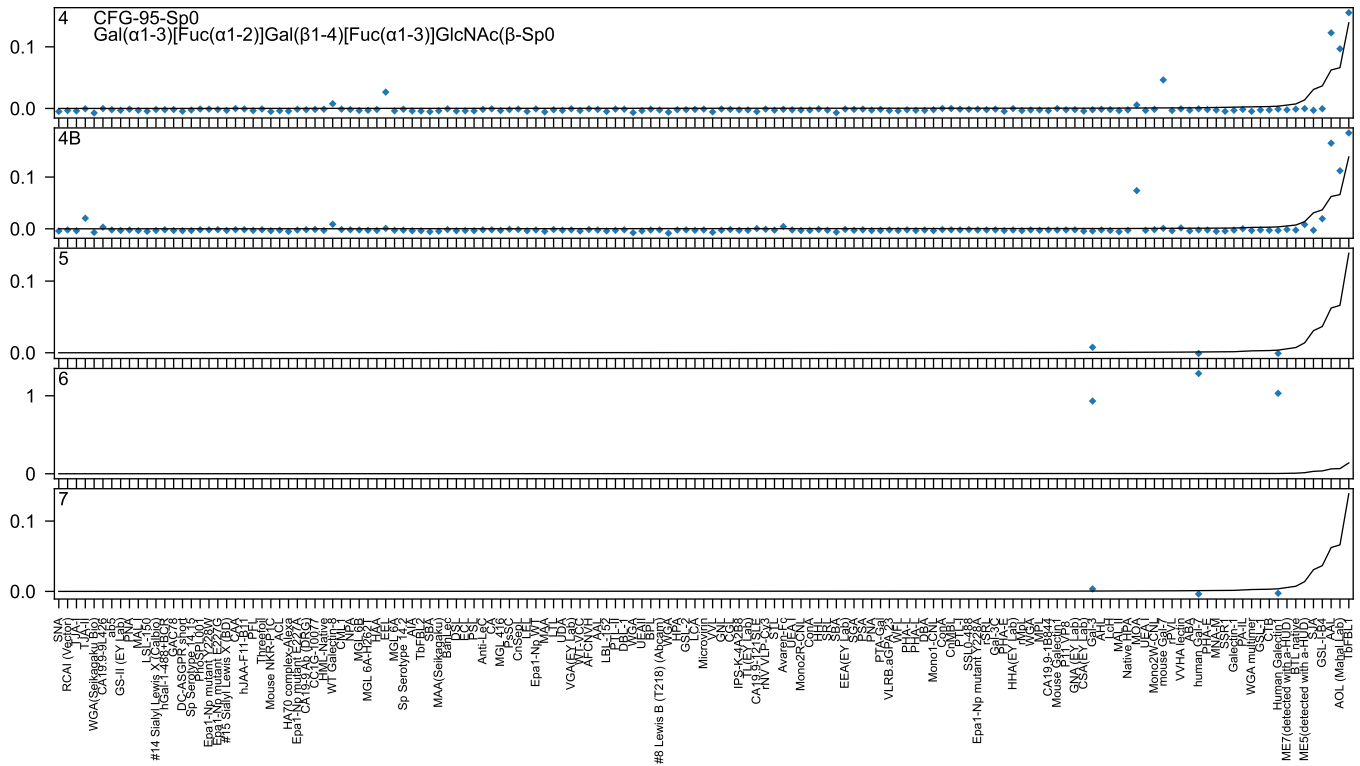

4
CFG-92-Sp0
GalNAc(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.0
0.5
SNA
MAL
PHAE
PHAL
MAA(Seikagaku)
PHA-E
PHA-L
PTA-Gal
PTL-I
PNA
UEA-I
DBA
Lectin
IPS-K-4A2B8
ABA
GSL-I(EY Lab)
EEA(EY Lab)
PWM
PAA
UEA-I
MAL
MEL5(detected with a-HUD)
MEL7(detected with a-HUD)
rVAR2
Galectin-1
Avidin
pAcGnbp
PGSL-1
abs
hJAA-F11
AIA
Human Galectin1
Mouse Galectin1
UEA-I
CAA
SNA
GSL-I
GSL-2
ABA
Epa1-Np mutant E227A
HPA
VGA(EY Lab)
Anti-Le^c
AOL (Mahal, Lab)
CA19.9 Ab (DRG)
RCA(Vector)-488
Epa1-Np mutant Ranlex
CA19.9-1
CA19.9-1(BBI)
CA19.9-121SLE
SEA
Epa1-Np mutant Y228W
GNA(EY Lab)
PSA
CA19.9-9-L
Le^b
WT Galectin-3
Le^a
SBA
Epa1-Np mutant E227G
Sb Serotype 14.2
HA70 complex-Alexa
#14 Sialyl Lewis X (Calbio)
Tim-3
WGA
Mice
HML-N
PSA
ThPAE
PSL
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis B (BD)
Epa1-Np V01
BTL native
LCA
ACA
MOA
Microvirin
HHA
SSL-8
SSL-6
ACONA
LBL-1
LCH
ConA
PNA
TL(EY Lab)
AAL
human Gal-7
Gal-1
Native HPA
Gal-3
VRR (Vector)
RCA (Vector)
DBA
P11
UDA
WT-VCC
mouse Gal-7
Le^y
CGB
Mono2R-CNE
MGL
SBA
Mouse NKR-P1C
VVHA lectin
CnMBL
MGL 6A-H2B2A
MGL-6B
Chi-BP
Mouse2R-CNE
CSA(EY Lab)
BPL
Mgp1-SNL
CCL-10077
MoVGA
VVL
SSA
WGA(Seikagaku)
UEA
VGA
WGA
WGA multimer
DC-ASGPR short

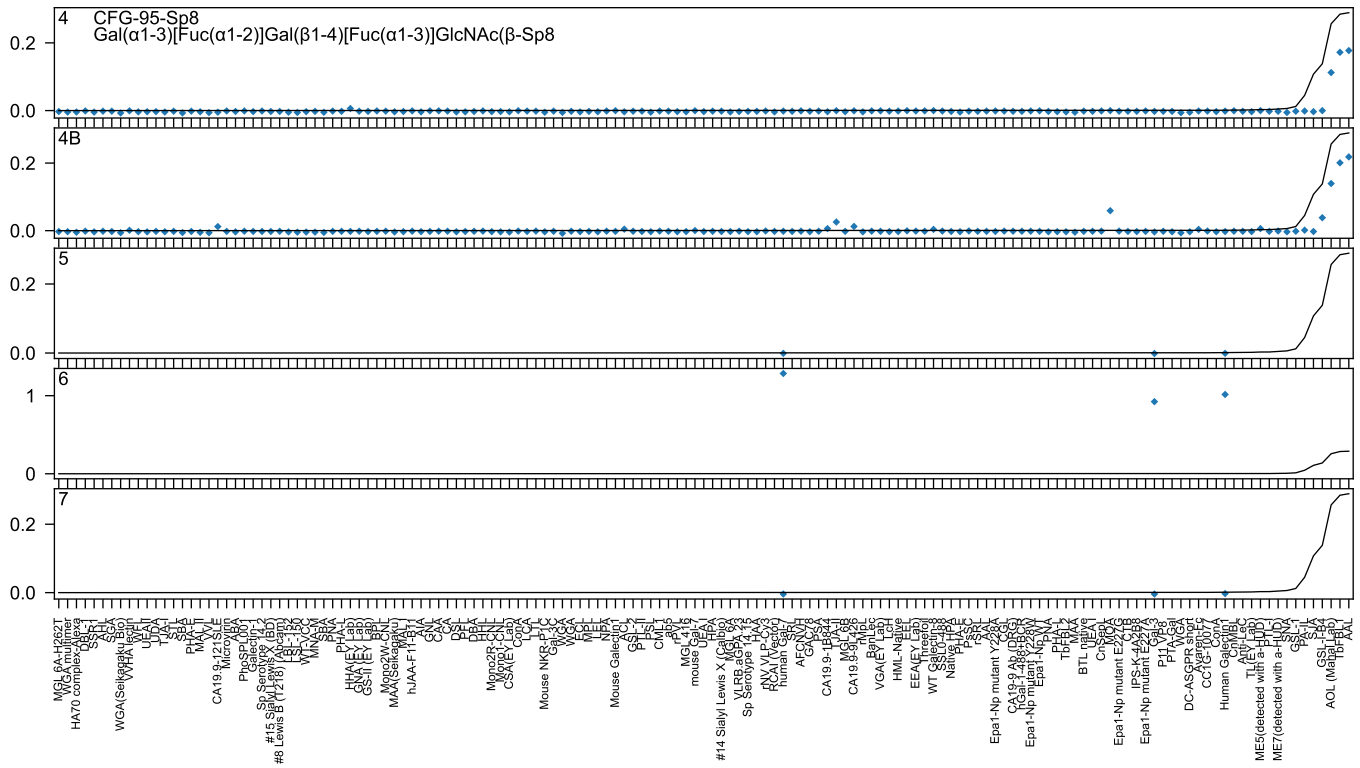

4
CFG-92-Sp8
GalNAc(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.5
SNA
TJA-I
HML-Native
ME5(detected with a-HUD)
DBA
ABA
PNA
VGA(EY Lab)
NPA
MAL I
PTL-I
MAA(Seikagaku)
PHA-E
PHA-L
IPS-K-4/7/8
TL(EY Lab)
Epa1-Np mutant E227G
Human Galectin1
Mouse Galectin1
Epa1-Np mutant Y228W
CA19-9 Ab (BTG)
CA
Galectin-1
CA19.9/12-5
SVA
hGal-1-488
#14 Sialyl Lewis X (Calbio)
CA19.9-sLe
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
EEA(Vector)
Sp Serotype 1+2
Sp Serotype 14
WT Galectin-8
PA-IL
AAL
Sp Serotype 14+15
GNA (EY Lab)
#8 Lewis B (T218) (Abcam)
hJAA-F11
PHA-E7
MPI
HA70 complex-Alexa
Avaren-Fc
P11 VPS
human CRP
AOL (Mahal Lab)
Native (BD)
#15 Sialyl Lewis X
LBL-Gal
SGA
TxFAC1
CorA
PAL
PHA-L
VLRB.aGFP(9)
rNV SSL9-488
Apo-Fc
ASC-NT
ASC-CT
Gal-3C
RCAI (Vector)
mouse Gal7
ME7(detected with a-AC6)
Sab3
TbFBP2
MVA
MTA
BTL
HHA(EY Lab)
WFA
LYA1
AIL
UDA
SBA
MGL 6A-H2821
NW
Mono2W-CN
DBL-1
CnMBL
GS-II (EY Lab)
MGL-438
Mono2R-CN
CnSecL
VVHA actin
Mouse NKR-P1C
Mono1-BM
SSL
CC1G
TAGGG
VSL
SJA
SGA
PEL
WGA
WGA(Seikagaku Bio)
DC-ASGPR
WGA multimer

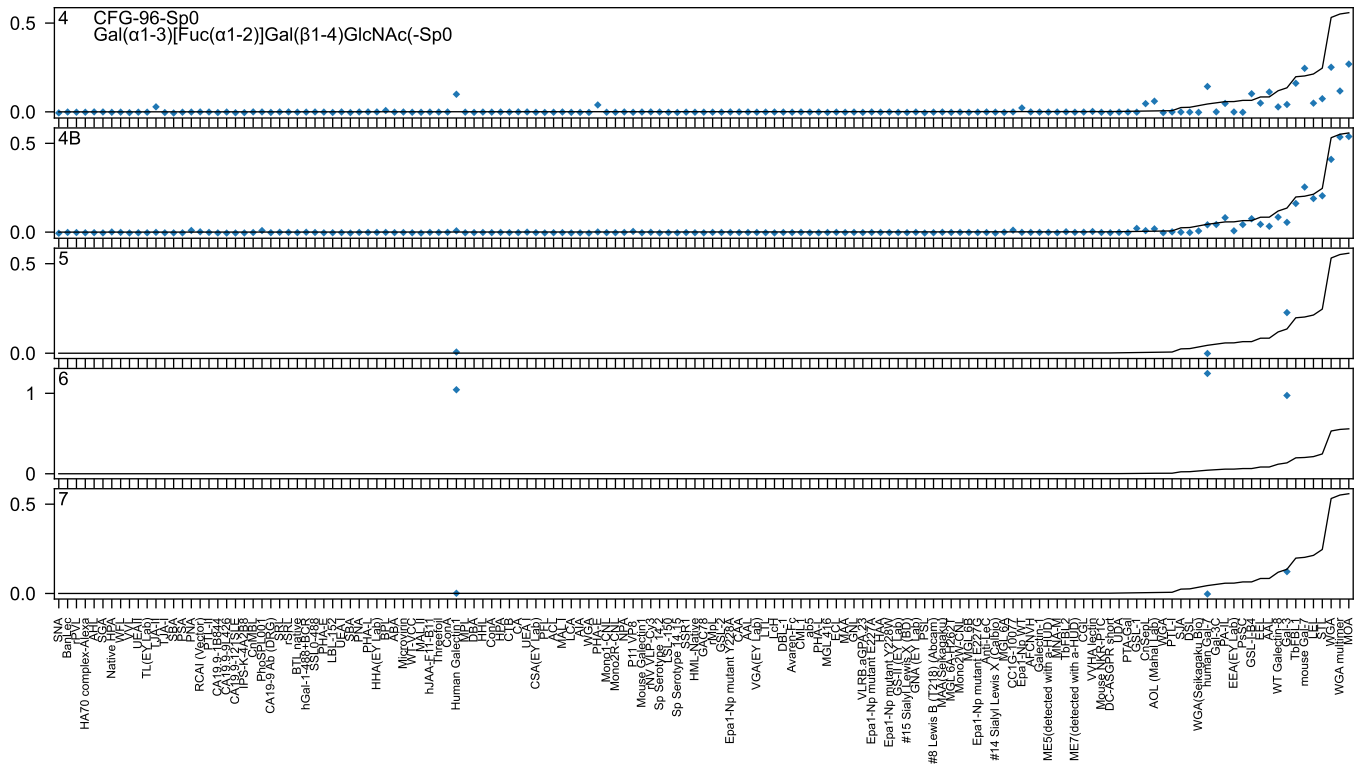

4
CFG-93-Sp8
Gal(α1-2)Gal(β-Sp8
4B
5
6
7
0.1
0.0
1
0
MGL 6A-H2627
UEA I
UEA I
FRA
FRA
MNA-M
T-J-A
ME5(detected with BT-HUD)
SSA-188
PNA
WAX
MAL I
HA70 complex
LSL-180
LSL-1
SJA
SBA
Bandeiraea
Man-B6
CA19.9-1121
SLE
Mono2W-CRA
TL(EY L-B)
SSA(EY L-B)
ABA
Native Hip
GSL-I-B4
EEA(EY L-B)
HHA(EY L-B)
PNA
PNA
SGA
NPA
Mono2R-CRA
Sp Serotype 14-15
AAA
Galectin-1
Gal-3C
CTB
CTA
CA19-9 Ab (PRG)
PhoSPLD-1
Mouse Galectin
Epa1-Np mutant E2ZYG
Epa1-Np mutant E2ZYA
Epa1-Np mutant E2ZYT
wt Galectin-8
PTL-I
PP2
CA
CSA(EY L-B)
#8 Lewis B (T218) (Abcam)
DBA
DBA
Sp Serotype 1&2
#15 Sialyl Lewis X
DSL
#14 Sialyl Lewis A (Abcam)
hCan1 416
MGL 416
PONI
Epa1-Np mutant V228Y
CA19.9 Ab (GC)
GSL-I
HML-Native
PTA-Gal
hJAA-F11
Mouse NKR-UDA
IPS-K-4A288
Microvirin
CA19.9-18B34
Epa1-Np mutant E2ZYA
VSL
PSA
abo
Auge-1
DC-ASGPR short
human Gal-7
AFCNUH
EAL
rNV VLP CX3
Monomer
Trypsin
PHA-L
WGA multimer
Epa1-Np mutant YEZYA
AAL
AOL (Marbal Lab)
PSL
PFL
MPL
MAA(Seikagaku)
GNA
Con A
mouse Epa-F
MAL II
TxB-BL1
CrSBL
WT-CSBL
SSX
WGA(Seikagaku, Bio)
WGA
WFL
Tb-10077
CC1G-10077
VGA(Gal a)
VGA(Lab)
BTL native
Sep
CnSBL
DBL-1
VLRB.a(Vector)
RCA (Vector)
ME7(detected with BT-HUD)
Human Galectin-3
CGL
Ang-Sey
VVHA(Seikagaku)
PNA
GSL-I-B4

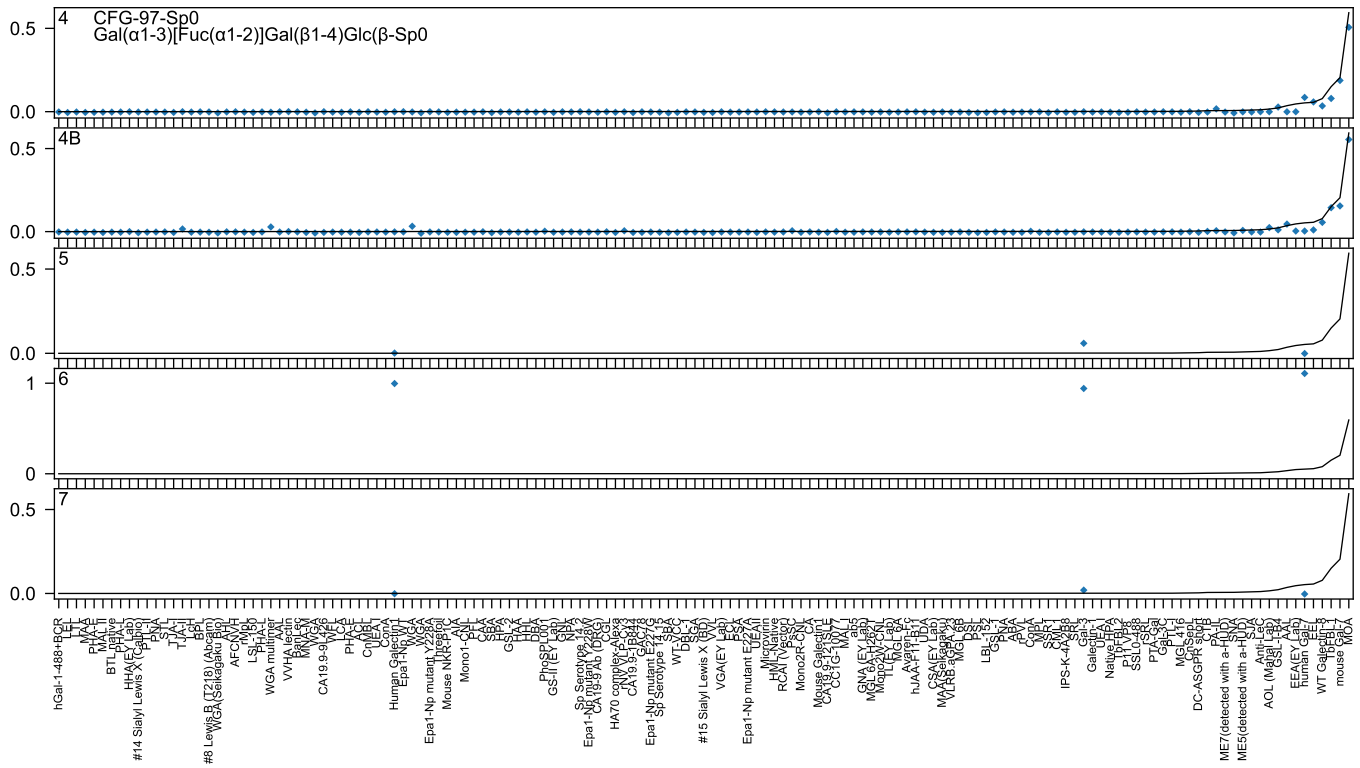

4
CFG-94-Sp0
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
HHA(EY Lab)
GS-II(EY Lab)
ABA
ABS
Microvirin
CA19-9 Ab
CA19-9 Ab
CCTG-19077
Native HPA
UEA-I
UEA-II
UDA
TL(EY Lab)
PAA
PHA-L
PHA-E
PHA-P
WT-XCC
Epa1-Np WT
Epa1-Np mutant F222G
Epa1-Np mutant F222G
BnpS-Fc001
CA19-9 Ab (DRG)
Sp Serotype 14-18
Sp Serotype 14-18
MGL-418
IgFBL2
hGal-1 49-135
#14 Sial(α) Lewis X (Calbio)
#8 Lewis B (T218S Lab)
SJA-2
LBL-182
LBL-182
Ivy-Lec
WAA
hJAA-F11
CBA
HPA
HPA
MAL
MAL-I
Mono1-CNL
AIA
Mouse NKR-P1
Thrombin
OCTA
Mouse Galectin-1
UEA-I
DBA
DBA
Epa1-Np mutant E-Keratin
TAX70 complex-Keratin
SVA
Ban-lec
SBA
PhaE
NPA
SSA
SSA-I
PHA-L
PNA
PNA
CGL
PhaC
PhaC
LCA
VLRB.aGPX
Sp Serotype 14-2
Sp Serotype 14-2
MAL
HML-Native
CA19-9 Ab
CA19-9 Ab
rNV VP1
GSA-I
GST-22
MGL6A(EY Lab)
MGL6A(EY Lab)
HGL
P11
GSL-I
GSL-I
P11
UEA-I
CAA
Gal-3
Gal-3
MGL6B
WGA multivalent
WGA multivalent
HAA
WGA(Seikagaku Lectin)
KVHA Lectin
MAA(Seikagaku)
#15 Sial(γ) Lewis X (Calbio)
GSL-I
Mono2R-CRA
Mono2R-CNL
DSA-1 (Marinal Lab)
AOL (Marinal Lab)
MGA
ABA
BTL
BTL native
AFA
AFA
RCA I (Vector)
Galectin-1
VGA (EY Lab)
Human Galectin-1
SBA
SBA
MBL-1
MBL-1
CrSeq
GNA (EY Lab)
GNA
Epa1-Np mutant Y224A
PAA
ME7(detected with a-HUD)
IPS-K-1A-B8
VGA
ME5(detected with a-HUD)
TcFBL
CMTL
CMTL
GSL-I B4
EEA(EY Lab)
PTA-Gal
human Galectin-7
WT_Anti-LeX
mouse Galectin-7
MDA

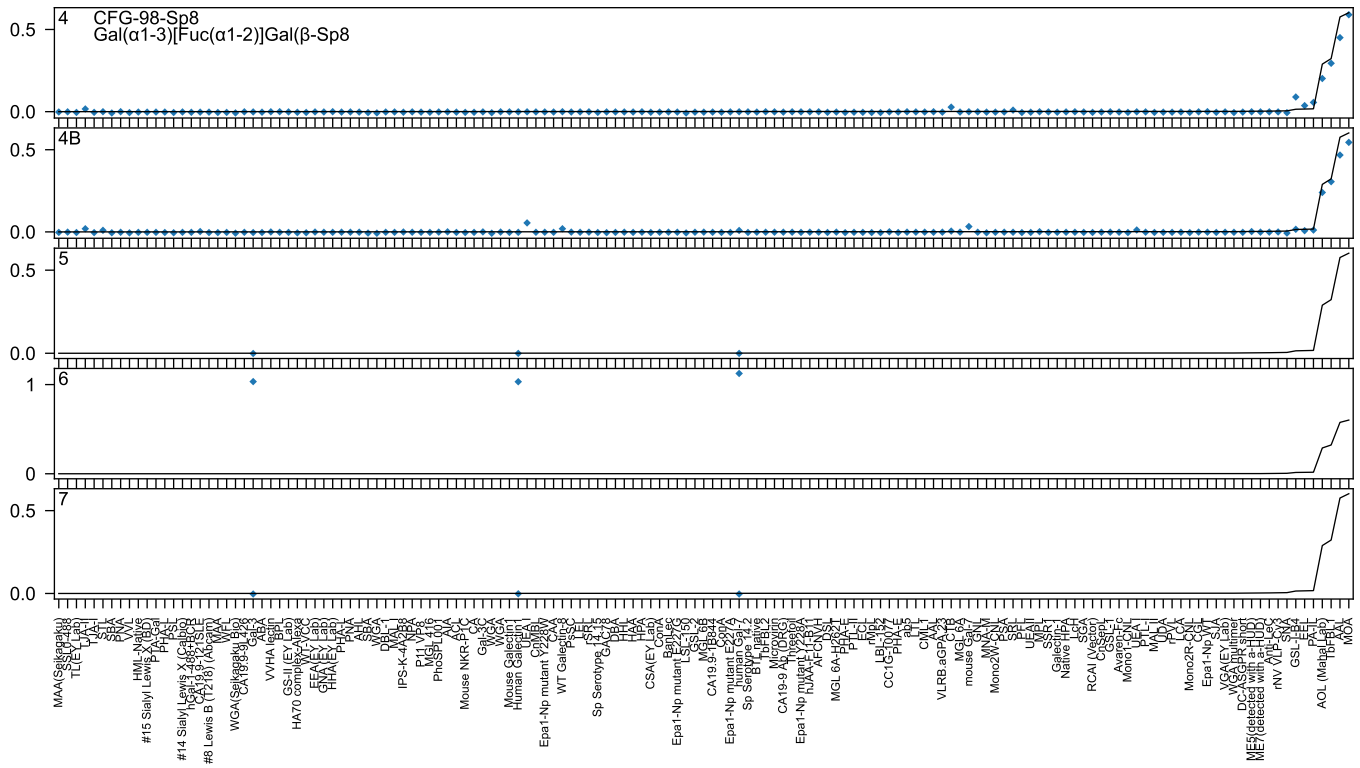

4
CFG-94-Sp8
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11 B11
HA70 complex
Ban ec
CA19.9-1B244
PS-K-A2B8
Micrococcus
alb5
CaNA
SBA
WT-150
SSL-42
SSL-28
APCV-188
PSL
#15 Sialyl Lewis X (EA)
Epa1-Np WT
Epa1-Np mutant E257A
Epa1-Np mutant Y256
Epa1-Np mutant Y256
HMI-Native
MgVA1
bPBL-2
hGal-1-489-VCR
#14 Sialyl Lewis X (Calbio)
Pho3P(Calbio)
Epa1-Np mutant Y228W
MGL 8A-H2B4
MGL 6A-H2B4
rAC
AC
UDA
CA19.9-12
BLE
CA19-9 Ab (DRG)
1A2
Sp Serotype 14
rNV VLP-P2
PHA-E
HAA
MGL 6B
TL(EY Lab)
LTI
GNL
#8 Lewis B (Z718) (Abcam)
Sp Serotype
UEA1
GAL8
PHA-L
SNA
Mouse NK
LBL-P1C
NPA
CSA(EY Lab)
MPL
VVHA-Lectin
MGL 6A
SJL
UEA
HPA
MAA(Sigma)
ACA(Calbio)
GS-II (EY Lab)
GNA (EY Lab)
P11
VPA
MGA
TJA-I
TJA-II
GSL-2
SBA
Native
VGA(EY Lab)
CTG-E297G
Epa1-Np mutant
AOL (Malaha Lab)
WGA
SGA
DSA
VVL
BTL native
WFL
Mono2W-CNL
HHA(EY Lab)
Mouse Galectin1
VLRB.aGPA23
Mono2R-CNL
CnMBL
Galectin-7
MNA-M
Avaglycin-F
ME7(detected with a-HUD)
WGA
WGA(Spikepaku Bio)
ME5(detected with a-HUD)
CGA
ABA
WGA multimer
Human Galectin1
DC-ASGPR short
MAL I
Galectin-1
bPBL-1
Galectin-3
GSA
CML B
GSL-I-B4
EEA(EY Lab)
Galectin-9
SNA
human CEL
EEL
ATL-Lea
ATL-Leb
PHL-I
WT Galectin-2
mouse Galectin-2
MOA

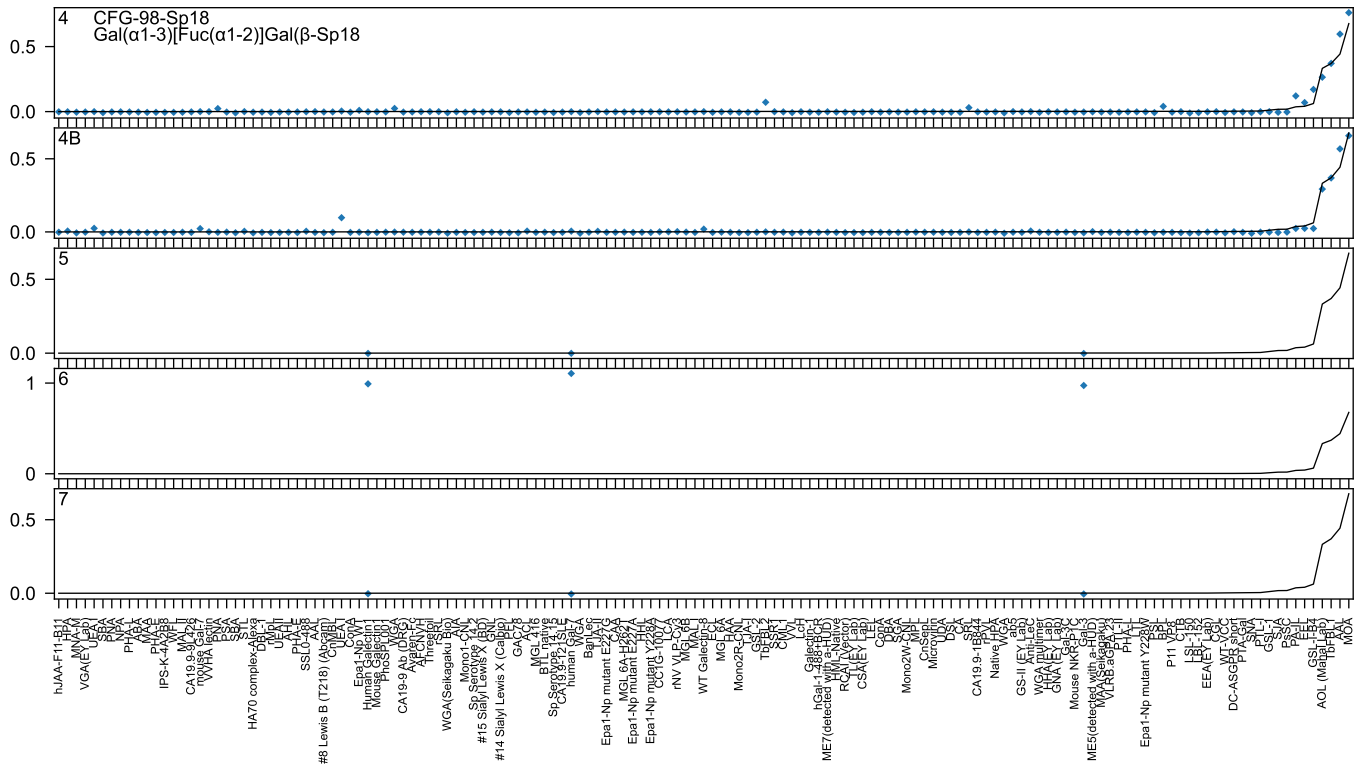

4
CFG-95-Sp0
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.1
0.0
1
0
SNA
RCAI (Vector
TJA-I
WGA(Seikagaku) (Biotin)
CA19-9 L428
GS-II (EY Lab)
MAL
#114 Sialyl Lewis x
LSL-150
hLeaY 1428 (Biotin
DC-ASGPR
GAC78
Sp Serotypes 14,19
Epa1-Np mutant E227G
Epa1-Np mutant E227W
#15 Sialyl Lewis X (BD)
hJAA-F11
B11
Mouse NKR-P1C
Threefoil
HA70 complex-Alexa
Epa1-Np mutant D262A
CA19-9 (100U/ml)
CCK18-100ng
wt Galectin-8
CNL1
MGL 6A-H262A
MGL 168
MGL 4-16
EEL
MGL 1-22
Sp Serotype 9
Tbr-AIA
SBA
MAA(Seikagaku)
Galectin-8
DSL
ECL
Anti-LeC
MGL 4-16
PsaC
CholeE
Epa1-Np WT
LTL
VGA(EY Lab)
UDA
AFCV
AAL
LBL-1
PHA-E
DBL-1
UEA-I
BPL
#8 Lewis B (T218) (Abnova)
WGA
HPA
GSL-I
LCA
Microvillin
GNL
IPS-K-4-C288
CA19-9 (EY Lab)
NN-V-LP-S-3
STL
Avarelin
UEA-I
Mono2R-CNL
CGL
HHL
EEA(EY Lab)
SNA
PSA
PNA
PTA
VLRB.aGPA-23
VAF
PHA-L
PHA-E
Mono1-CNL
CGB
CgBP-1
SSV2-288
Epa1-Np mutant V228A
FSL
BPA-E
HHA(EY Lab)
WGA
CA19-9-1004
Mouse Galectin-1
GNA (EY Lab)
CSA(EY Lab)
CgA
AHL
MAH
Native-HPA
UEA-I
Mono2W-CNL
mouse Gal-7
VVHA lectin
human Gal-2
MNA-E
SSR1
Galectin-1
WGA mutant
GTB
CTB
Human Galectin-10
ME7(detected with BTL native)
ME5(detected with a-HSD)
GSL-I-B4
AOL (Mahal Lab)
TBP-BL1

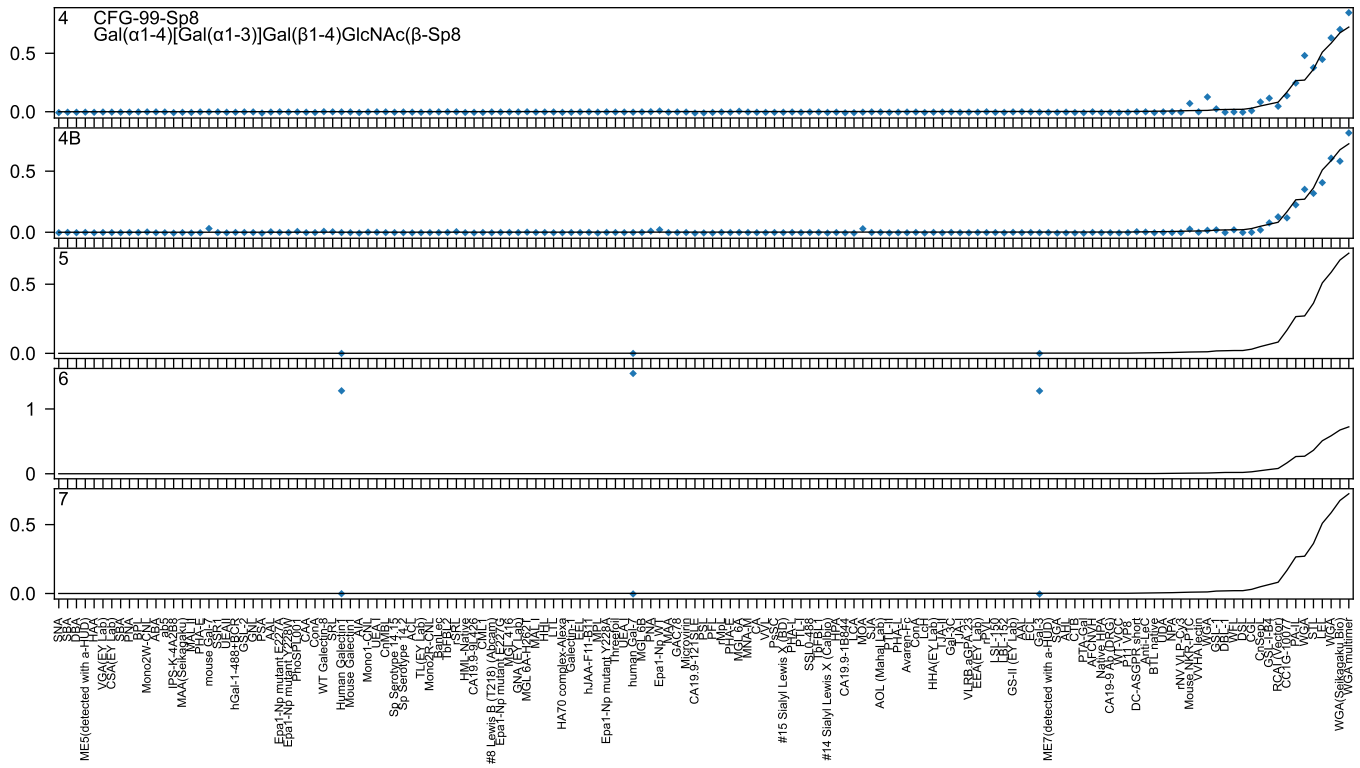

4
CFG-95-Sp8
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.0
0.2
1
0
MGL-6A-Hapten
WGA-Hapten
HA70 complex-Alexa
SSA-I
ACL
WGA(Seikagaku, Bio)
VVHA (Vector)
UEAI
UDA
SJL
SNA
PHA-E
MAL II
CA19.9-121SLE
MicroVER
PNA
PhoSP-L001
Globo H-2
Sp Serotype 14-2
#15 Sialyl Lewis X (BD)
#8 Lewis B (72-18)
LBL-192
WSL-150
MNA-CA
BRA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
BPL
Mono2W-CNL
MAA(Seikagaku)
hJAA-F11-B11
GNA
CAA
DSL
DBA
PHL
Mono2R-CNL
Mono1-CNL
CSA(EY Lab)
CoA
Mouse NKR-P1C
Gal-3C
WGA
ECL
MEL
NPA
Mouse Galectin-1
ACL
GSL-I
PSL
CUL1
PSA
MGL-4
mouse Gal-7
UEA
#14 Sialyl Lewis X (Calbio)
VLRB aGPA 93
Sp Serotype 14-15
rNV VLP-Cy3
RCA (Vector)
human Galectin-7
ACG
CGL-2
CA19.9-1-PSA
CA19.9-1-PAA
MGL-6B
CA19.9-Mpc
VGA(EY Lab)
LCA
LGL
HML-Neuro
EEA(EY Lab)
WT Galectin-9
SSL-I
Nattin-Fc
PHA-E
PSA
PSC
AAL
Epa1-Np mutant Y228A
CA19.9-Ab (DRG)
Epa1-Np mutant Y228W
Epa1-Np WT
PHA-L
TOL
DMA
BTL (Vector)
CrSPA
Epa1-Np mutant E228Q
Epa1-Np mutant E228S
IPGK-Fc
Epa1-Np mutant E228Q
PNA
PTA-Gal-3
PTA-Gal
WGA
DC-ASGPR-Fc
AVPRL-Fc
CCTG-0074
Human Galectin-1
CML
ACL
TL(EY Lab)
ACG
ME5(detected with a-PHD)
ME7(detected with a-PHD)
GSL-I
PSL
PSA
GSL-I-B4
AOL (Marine Biol)
AAL

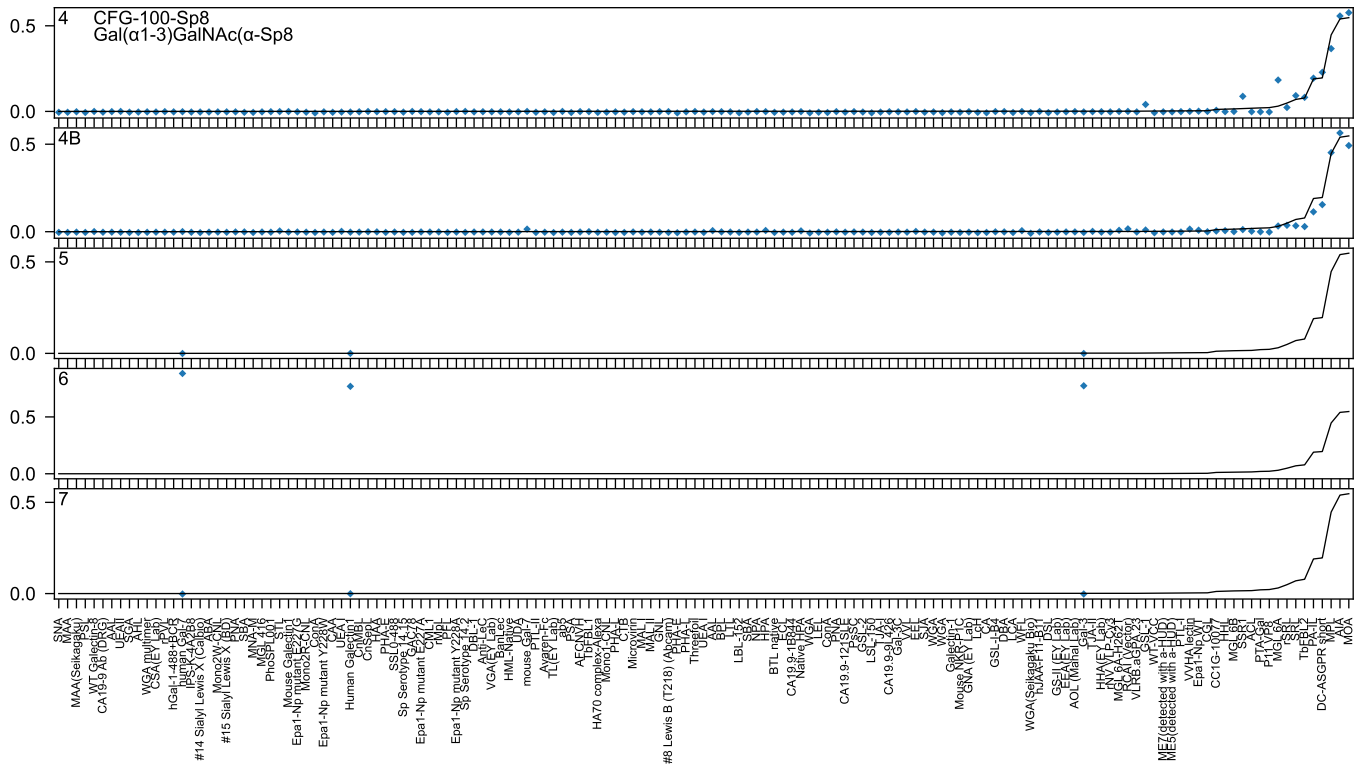

4
CFG-96-Sp0
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
SMA
Bap1
PVL
HA70 complex-Neu5Ac
Native WGA
SBA
WFL
UEA-II
TL(EY Lab)
DAA
LTL
SBA
PNA
RCAI (Vector)
CA19.9 (BD)
CA19.9 (Fitzgerald)
CA19.9 (Fitzgerald)
IPS-K-4A2B8
CA19.9 (Abcam)
PhoSPL001
CA19-9 Ab (DSG)
rSRL
RTL (Vector)
hGal-1-Fc (R&D)
SSL0468
SSL0468
LBL-155
UEA-I
PNA
PHA-L
HHA(EY Lab)
BPL
ABA
Microvirin
WTX(CC)
WTX(CC)
hJAA-F (MBL)
Thregelo
Human Galectin-1
DBA
HPA
HHL
GNA
CBA
CTB
UEA-I
CSA(EY Lab)
ACL
ACL
MOA
AIA
VVA
PTA
ACG
Mono2
Mono2R-CNL
NPA
Mouse Fgl-1 (R&D)
Mouse Fgl-1 (R&D)
rNV VLP-CV3
Sp Serotype 14-37
Sp Serotype 14-37
HML-Native
GAL7
GSL-2
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
AAL
VGA(EY Lab)
CGT
DBL-1
Avarol
CNL
PHA-E
PHA-L
MGL-EC9
MAA
NPA
VLRB.aGP2.23
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
#15 Sialyl Lewis X (BD)
GNA (EY Lab)
#8 Lewis B (T218) (Abcam)
MAL(Seikagaku Biq)
Mono2(NCONL)
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
Apo-LeC
#14 Sialyl Lewis X (Abcam)
CCL-10077
Epa1-Np
APCNVH
Galectin-10
ME5(detected with anti-Gal-1)
MAA(M)
ME7(detected with anti-Gal-1)
PHA-E
CGL
VVHA-Hep
Mouse NKR-P1C
DC-ASGPR stpt
PTA-Gal
GSL-I
CGL
AOL (Mahal Lab)
PTL-I
SNA
WGA(Seikagaku Biq)
human Gal-7
PA-IL
EEA(E Lab)
GSL-I-B4
AAL
WT Galectin-3
TbPBL1
mouse Gal-1
STL
WGA multimer
MOA

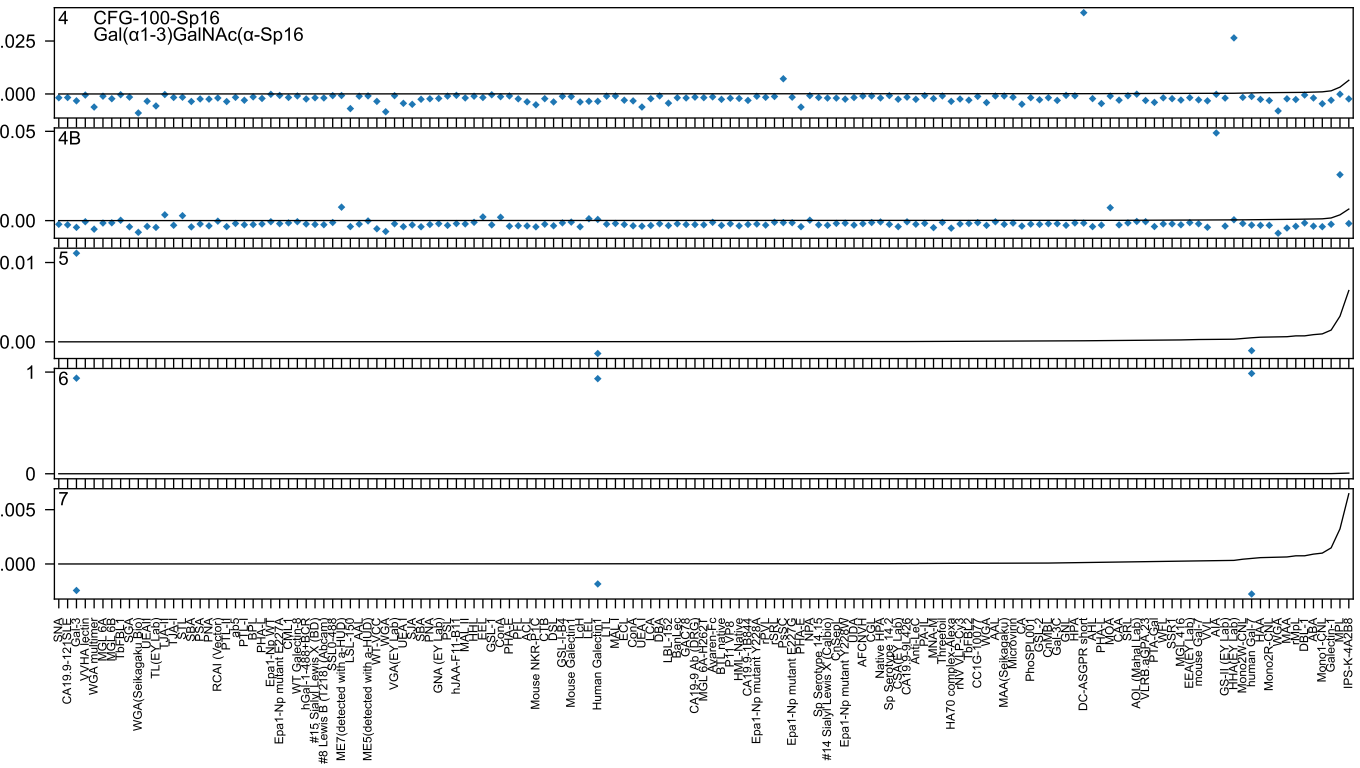

4
CFG-97-Sp0
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hGal-1-488+BOR
TIT
MAL
MAC
PNA
BTL
PHA-E
#14 Sialyl Lewis X (EY Lab)
HHA
PHA-L
SNA
TJA-I
TJA-II
LCH
BPL
#8 Lewis B (T218) (Abcam)
WGA(Seikagaku Biol)
ACG
AVA
LSL
BHA
WGA multimer
AAL
VVHA lectin
RAC-1
RAC-2
WGA
CA19.9-9
UEA
PHA-E
ACE
CNBR
MBL
ConA
Human Galectin-1
Epa1 Wt
WGA
Epa1-Np mutant Y228A
Mouse NKR-P1
AIA
Mono1-PBL
CAA
SBA
GSL-2
HPA
DBA
PhoSPL
GS-II (EY Lab)
GNA
Sp Serotype 14
Epa1-Np mutant Y228A
CA19.9-Ab (Cosmo)
CGL
HA70 complex-Alexa
CNV VLP
CA19.9-Ab
Epa1-Np mutant E227G
Sp Serotype 14
SSA
WFL
DSCC
DSA
#15 Sialyl Lewis X (EY)
VGA(EY Lab)
ECA
Epa1-Np mutant E227A
Human Galectin-7
Microvirin
Native
RCA (Vector)
Mono2-CNX
PSA
Mouse Galectin1
CA19.9-Ab
CGTG-2(1)-77
MAL-I
GNA (EY Lab)
MGL8A (EY Lab)
MGL-1 (EY Lab)
MGL-2 (EY Lab)
Avidin
hJAX-P11-B11
CSA(EY Lab)
MAA(Seikagaku)
VLRB-Alexa
MGL-68
PSL
LBL-152
GS-I
BNA
ABA
ConA
SNA
SNA-I
CML-1
IPS-K-4-488
Gal-3
Galectin-1
UEA-I
Native HPA
PNA
P11-VP8
SSLD-488
PTA-Gal
GPL-1
MGL-416
DC-ASGPR
sialo
PCB
ME7(detected with a-HUD)
ME5(detected with a-HUD)
SJA
Anti-Lewis X
AOL (Matal Lab)
GSL-IA4
EEA(EY Lab)
human Galectin-8
WT Galectin-8
mouse Galectin-8
MOA

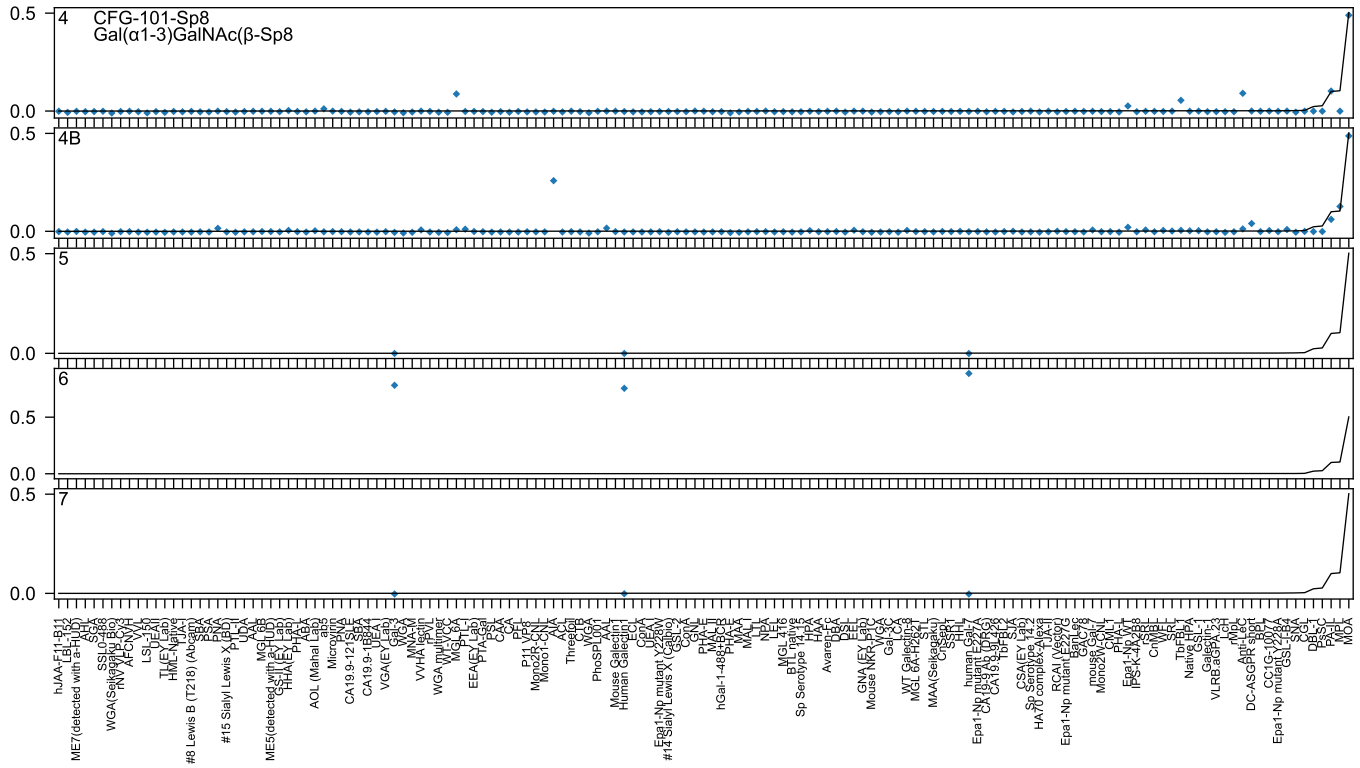

4
CFG-98-Sp8
Gal(α1-3)[Fuc(α1-2)]Gal(β-Sp8
4B
5
6
7
0.5
0.0
1
0
MAA(Seikagaku)
#15 Sialyl Lewis X (TBD)
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (72.18) (Abcam)
WGA(Seikagaku)
VVHA (Iseli)
GS-II (EY Lab)
HA70 complex
Mouse NKR-P1
Mouse Galectin1
Human Galectin1
Epa1-Np mutant 2
WT Galectin8
Sp Serotype 14.2
Epa1-Np mutant EGA/9
Sp Serotype 14.2
CSA(EY Lab)
Epa1-Np mutant E22/G
Epa1-Np mutant EGA/9
MGL 6A-H2B2
mouse Galectin1
Mono2W-PGA
Galectin1
Native HCA
RCAI (Vector)
Mono1-CNC
Mono2R-LCA
Epa1-Np SA1
WGA(EY Lab)
DC-SIGN (Immunex)
MER(detected with a RUP)
MER(detected with a Fc)
Anti-LeC
GSL-I B4
nV VLP SA2
AOL (Matsu Lab)
MOA

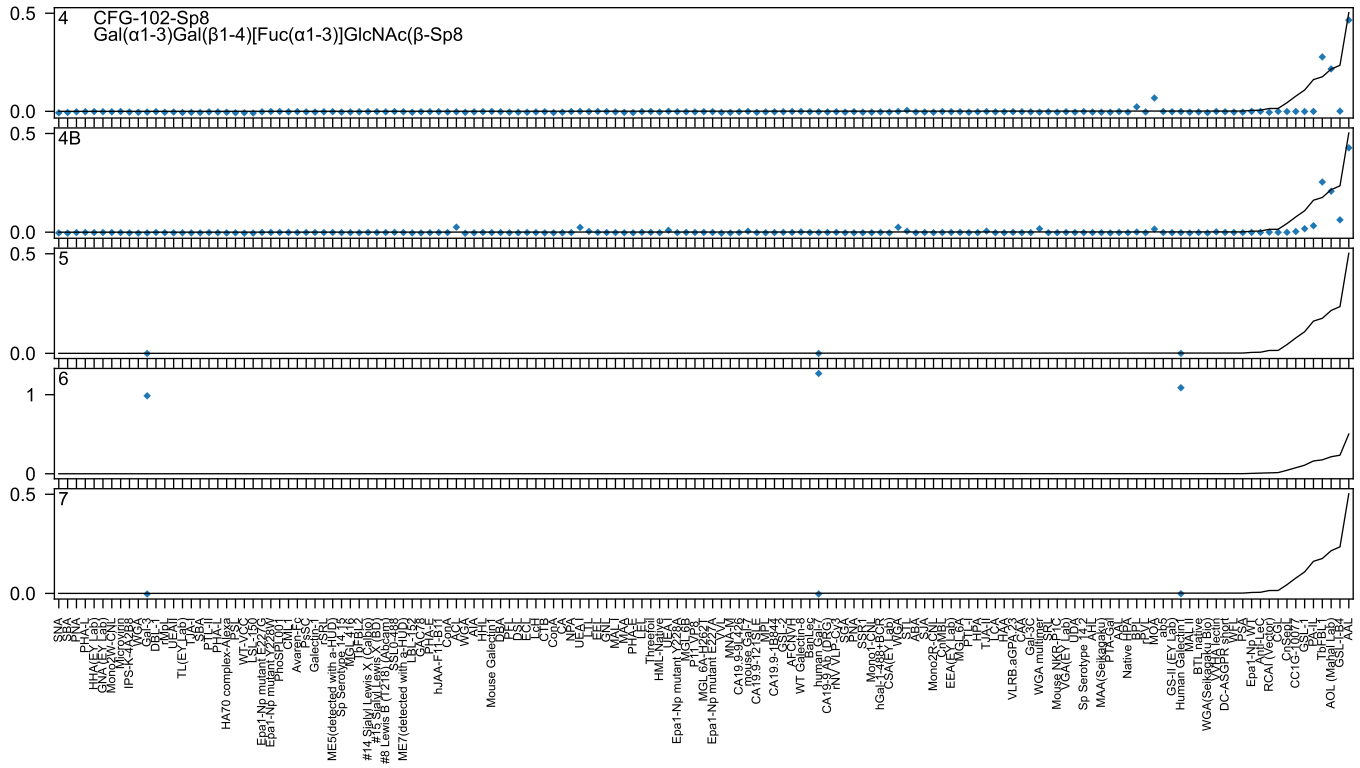

4
CFG-98-Sp18
Gal(α1-3)[Fuc(α1-2)]Gal(β-Sp18
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
B4
BPA
MVA-M
VGA(EY Lab)
PNA
SBA
NPA
PHA-E
MAA
PHA-L
IPS-K-4
ABA
WFL
CA19-9-Ab
426
MGL
Gal-7
WVHA
Con A
BNA
LEA
SSA
STL
HA70 complex-Ab
DBA
UEA-I
UMH
ACL
ATL
PAL
SSL-1
AAL
#8 Lewis B (T218) (Ab-Lab)
UEA
Epa1-Np WT
Human Galectin1
Mouse Galectin1
PhoSPLD1
CA19-9 Ab (DRG)
Ayeaw-Fc
Threefold
WGA(Seikagaku)
BJA
Mono1-CNA
Sp Serotype 14
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
GFP
GA
ACG
MGL 4-16
BTL
Sp Serotype 14-18
CA19-9 SSL-7
human
WGA
Bauhinia
Epa1-Np mutant E227G
MGL 6A-H2021
Epa1-Np mutant E241A
Epa1-Np mutant Y228A
CCTG-1100
rNV VLP-C28
MAL
MAL I
WT Galectin-3
MGL 6A
Mono2R-CNA
UJA-I
TGFBL2
SSR1
CVN
VVL
Galectin-1
hGal-1 488-BG1
ME7(detected with a-Gal-3)
WT Native
RCA I (Vector)
CSA(EY Lab)
LEA
COA
DBA
Mono2W-CNA
MPL
Concavalin
Microvilin
UDA
PCA
CA19-9-Ab
44
PNA
Native WGA
abo
GS-II (EY Lab)
Anti-LeC
WGA (Polymer)
GNA (EY Lab)
Mouse NK-92-7C
ME5(detected with a-Gal-3)
WGA(Seikagaku)
VLRB.a.GPA.21
PHA-E
PHA-L
Epa1-Np mutant Y228W
PSL
P11
VFB
CTB
LSL-182
LSL-Lab
EEA(EY Lab)
WT XCC
DC-ASGPR extracellular
SNA
GSL-I
SJA
PSA
PAL
GSL-Lab
AOL (Malaj-Lab)
Tbr-AL
MOA


4
CFG-99-Sp8
Gal(α1-4)[Gal(α1-3)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.5
1
ME5(detected with a-H
ME7(detected with a-H
WGA(Seikagaku Bio)
WGA multimer

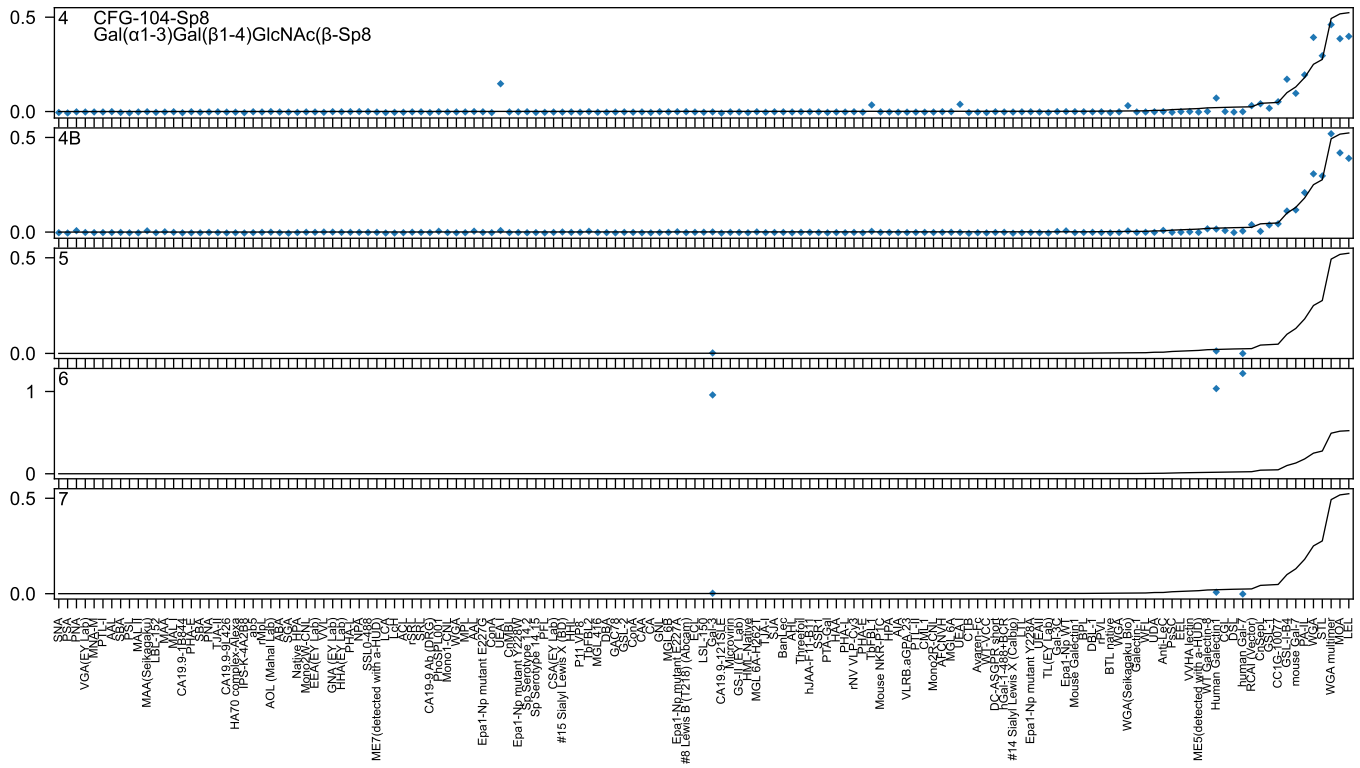

4
CFG-100-Sp8
Gal(α1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
SNA
SNA
MAA(Seikagaku)
WT Galectin-3
CA19-9 Ab (DRG)
UEAII
SSA
WGA
WGA multimer
CSA(EY Lab)
hGal-1-488+BC3
IPSP-PA2B6
#14 Sialyl Lewis X (Calbio)
Mono2W-CNL
#15 Sialyl Lewis X
RCA
SBA
MNA
MGL 418
PhoSPL-001
Mouse Galectin1
Epa1-Np mutant Y228A
Epa1-Np mutant Y228W
Epa1-Np mutant Y228G
Human Galectin-1
LEA1
Sp Serotype 14-498
Sp Serotype 14-2
Epa1-Np mutant GAC78
Epa1-Np mutant GAC1
rMP
Epa1-Np mutant Y228A
Sp Serotype 14-2
Anti-LeC
VGA(Bacillus)
HML-Native
mouse Gal-7
Avarol
rTL(EY Lab)
ASA
AECNH
PNA
HA70 complex-Alexa
Mono-CNL
PHA-E
CTB
Microvillin
MAL II
#8 Lewis B (T218) (Abcam)
PHA-L
Thioglycl
UEA
BPL
LBL-1-17
SBA
HPA
BTL native
CA19.9-18B44
Native WGA
LEL
CPA
PNA
CA19.9-123SLE
GSL-2
LSL-150
CA19.9-1428
GNA
EEL
WGA
WGA
Galectin-8
Mouse KRAS-PTC
GNA (EY Lab)
LTA
CA
GSL-DBA
DBA
WGA
WGA(Seikagaku Bio)
hJAA(PH-B1)
GS-II (EY Lab)
AOL (Malta Lab)
Gal-3
Lab
HHA(EY Lab)
MGL (NV Lab)
RCA (Vector)
VLRB aGSG-2
wt-XCC
MEZ(detected with a-HUD)
MEZ(detected with a-HUD)
PTL-I
Epa1-Np wt
VVHA
CC1G-10097
HIL
MGL
SSB
ACL
PTA-PP8
P11-PP8
MGL-PP8
SRL
SRL
TbpB-FL
DC-ASGPR
sialyl
MAA
MOA


4
CFG-100-Sp16
Gal(α1-3)GalNAc(α-Sp16
.025
.000
0.05
4B
0.00
5
0.01
0.00
1
6
0
7
.005
.000
SNA
CA19.9-12.5
SVA
Gal-3
VVHA
lectin
WGA
mouse
MGL
PA
HPBL
WGA(Seikagaku)
BSA
TL(EY Lab)
VEAI
VAA
SBA
PNA
RCAI (Vector)
PHA-L
PHA-E
Epa1-Np mutant
CD14
hGal1 Galectin-8
#15 Sialyl Lewis X (BD)
#8 Lewis B (72.18)
SSA-488
ME7(detected with a-HUD)
LSL
AIA
ME5(detected with a-HUD)
VGA
VGA(EY Lab)
UEA
SJA
PNA
GNA (EY Lab)
hJAA-F11-B1
MAL II
EEL
GSL-A
PHA-E
ACL
Mouse NKR-P1B
DSL
GSL-B4
Mouse Galectin-1
LCH
Human Galectin-1
MAL I
MEL
UEA
LCA
LBL
LBL-D2
Ban-Le
Ban-Lec
CA19-9 Ab (PDG)
MGL RA Hybrid
BYL
BYL native
HML
CA19.9 (B844)
Epa1-Np mutant Y228A
PSA
PSSC
Epa1-Np mutant E227Q
PNA
Sp Serotype 14-15
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y228V
AFCNDVH
Native HPA
Sp Serotype 14-2
CA19-9 (Lab)
CA19-9 (Lab)
Anti-Lec
MNA-M
HA70 complex
threonol
RNV
CC1G
WGA
MAA(Seikagaku)
Microvirin
PhoSPL001
Gal-1
Gal-3C
HPA
DC-ASGPR sigt
PHA-L
MOA
SRL
AOL(Marine Lab)
VLAB
PTA-Gal
SSA-1
NGL-416
mouse Gal-7
EEA
VVL
GSL-II (EY Lab)
Mono2W-CN
human Gal-7
Mono2R-CN
WGA
VVA
Mvp
DBA
PEA
Mono1-CN
Galectin-1
IPS-K-4A2B8


4
CFG-101-Sp8
Gal(α1-3)GalNAc(β-Sp8
4B
5
6
7
0.5
0.0
hJAA-F11-B12
Epa1-Np mutant 1
ME7(detected with a-HUD)
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis X (BD)
MGL-6B
ME5(detected with a-HUD)
AOL (Mahal Lab)
CA19.9-12-5B6
VGA(EY Lab)
WGA multimer
EEA(EY Lab)
P11
Mono21-CNU
Mono17
Threo-gly
PhosPL001
Mouse Galectin-1
Human Galectin-1
#14 Sialyl Lewis X (Calbio)
hGal-1-488
Sp Serotype 14-1-5
Avarep
GNA (EY Lab)
Mouse NRX-VGX
WT Galectin-8
MGL 6A-H2B1
MAA(Seikagaku)
human 5397
Epa1-Np mutant 2
CA19.9-TOPRO
CA19.9-TOPRO-2
Sp Serotype 14-2
CSA(EY Lab)
HA70 complex-Alexa
RCAI (Vector)
Epa1-Np mutant 3
mouse 5397
Mono26-CNU
Epa1-Np WT
IPS-K-4A-B8
Native HA
GSL-1
VLRB.aGFP
DC-ASGPR spot
Epa1-Np mutant 4
GSL-2288
SNA
DBL-T
PsSC
MPL
MOA

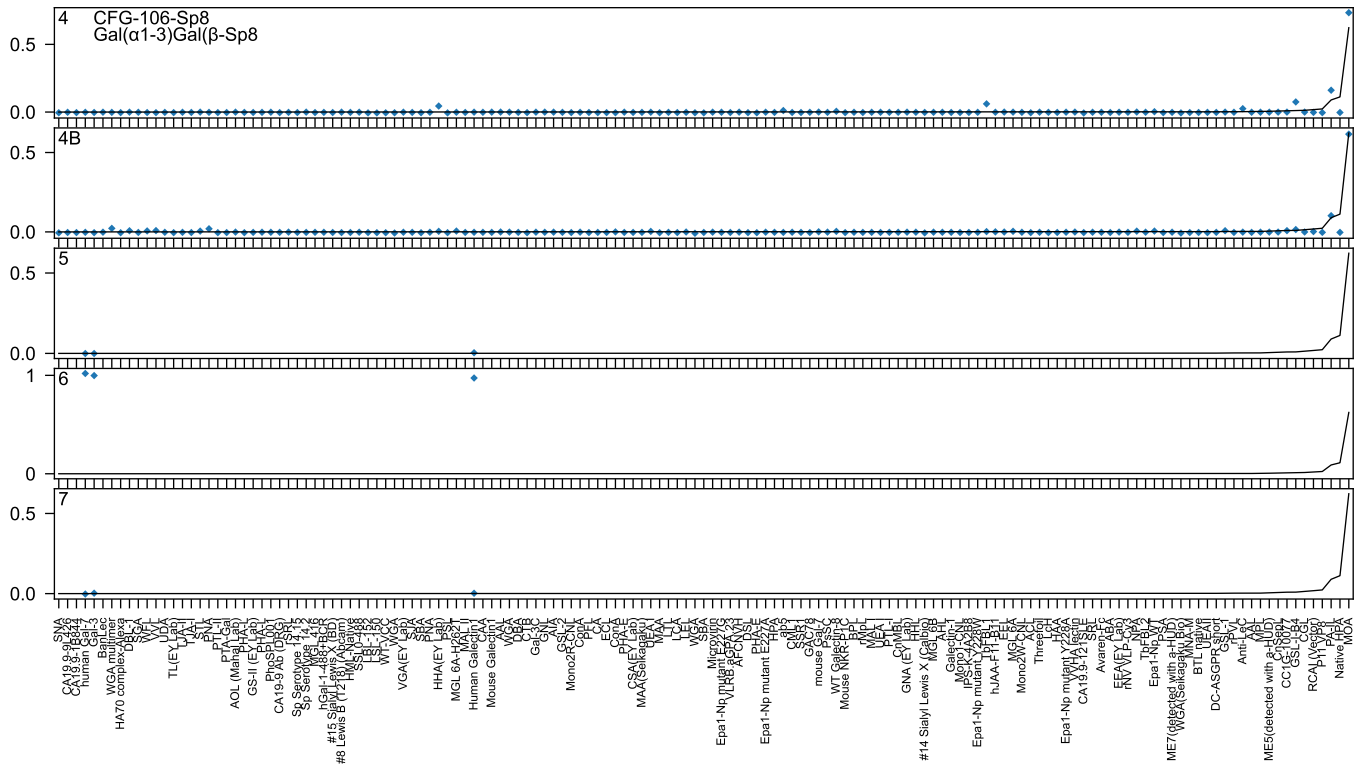

4
CFG-102-Sp8
Gal(α1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
PNA
PHA-E
HHA(EY Lab)
GNA(EY Lab)
Monoclonal
Microvoid
IPS-K-4
Gal-3
DBA
VEA(I)
TL(E1-Lab)
SBA
PSA
PHA-L
HA70 complex-Alexa
WT-VSG
Epa1-Np mutant E227Q
Epa1-Np mutant S228W
Phos-Sp
CNL1
Avarin-c
Galectin-1
ME5(detected with a-HUD)
Sp Serotype 14 18
#14 Sialyl Lewis x (Calbio)
#8 Lewis B (12181 Abcam)
ME7(detected with a-HUD)
LBL-152
PNA-F
hJAA-F11-B11
CAA
ACL
WGA
HHL
Mouse Galectin-8
DBA
PEL
ECL
CTB
CoA
NPA
UEA-I
EEL
GNL
MAL
MAA
PHA-E
Threonin
HWL-Neuraminidase
Epa1-Np mutant Y228G
P11-Vp8
MGL 6A
Epa1-Np mutant E227L
MVL
CA19.9-NV238
mouse Gal-7
CA19.9-12-NV5
CA19.9-18B44
AF-CNV1
WT Galectin-8
human Gal-7
CA19.9-NV1-PCG
RN-VT LPCG
SGA
SSA
SSR1
Mono2R-SNL
hGal1-Lectin
CSA(EY Lab)
VSA
ABA
AAA
Mono2R-SNL
EEA(EY Lab)
MGL 6A
PTA
HPA
TJA-I
HAA
VLRB.aGPA23
Gal-3C
WGA multimer
Mouse NKR-P1C
VGA(EY Lab)
Sp Serotype 14 2
MAA(Seikagaku)
PTA-Gal
Native HPA
BOT
MoDA
GS-II (EY Lab)
Human Galectin-1
BTL native
WGA(Seikagaku/Biotec)
DC-ASGPR sigdt
PSA
Epa1-Np WT
RCA (Vector)
CCTG-10074
Sgl
GAL-1
TbFBL1
AOL (Mabtech)
Galt-1 Lab
AAL

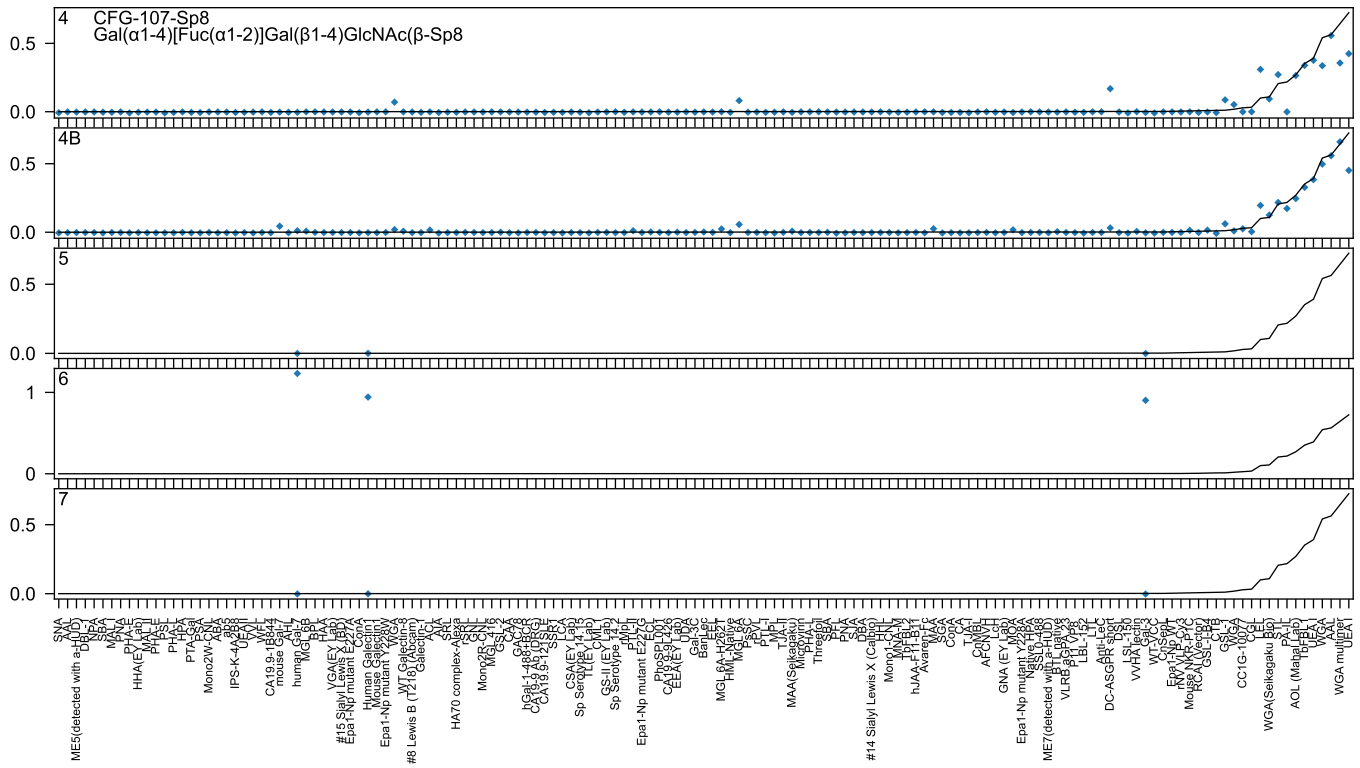
4
CFG-103-Sp0
Gal(α1-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA-I
ACL
WGA(Seikagaku)
BPL
UDA
VVL
UDA
TJA-I
SBA
SBA
PTA
PTA-Gal
PHA-L
PHA-E
MAL
MAL II
MAA(Seikagaku)
DBL
PNA
HA70 complex
CA19.9-18844
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
PhoSPC(bp)
Sp Serotype 14
Sp Serotype 14-2
SSL7-488
SSL7-488
WFA
VVL-C2
UEA-I
UEA-I
SBA
SBA
PNA
PNA
HHA(EY Lab)
HHA(EY Lab)
CA19.9-9-4F8
MAA
MGL 6A-H2B7
LEL
UEA-I
PCL
UEA-I
WGA
Galectin-1
Thrombol
Mouse NKR-P1
ACL
MAL I
CAA
GSL-I
GSL-I
hJAA-F11-B11
DBA
PHA-L
HAA
HAA
HML-Native
Avaren-Fc
Avaren-Fc
IPS-K4-X488
MGL
MGL
hGal-1-488-BGR
Epa1-Np mutant Y228A
Mono2R-CNI
Mono2R-CNI
#14 Sialyl Lewis X (Calbio)
Bap-Fc
CA19.9 Ab (DRG)
VLRB.aGC-488
GRA-488
DSL
CPA
PPA
LSL-Lab
Epa1-Np mutant Y228A
Epa1-Np
GS-II (EY Lab)
#8 Lewis B (T218) (Abcam)
Mono2W-CNI
MGL
CMA
ab5
CSA(EY Lab)
Mono1-CNI
TbFBP-2
SPA
Epa1-Np
DBA
MNA
LEL
nNV VLP-C3
P11 VP8
NPA
PNA
BTL
MGL-8A
ME7(detected with a-hDA)
WGA
GNA (EY Lab)
AOL (Malhal Lab)
VCA
Native HPA
WGA(Vimmerby)
EEA (EY Lab)
TL(EY Lab)
CA19.9-12
SLE
DC-ASGPR Stop
#15 Sialyl Lewis X (BD)
VVL
Galectin-1
Mouse Galectin
WT Galectin-8
Human Galectin-8
ME5(detected with a-hDA)
RCAI (Vector)
CGL
CC1G-10057
CnSep1
human Galectin-4
PA-L
mouse Galectin-4
Ant-C
MOA

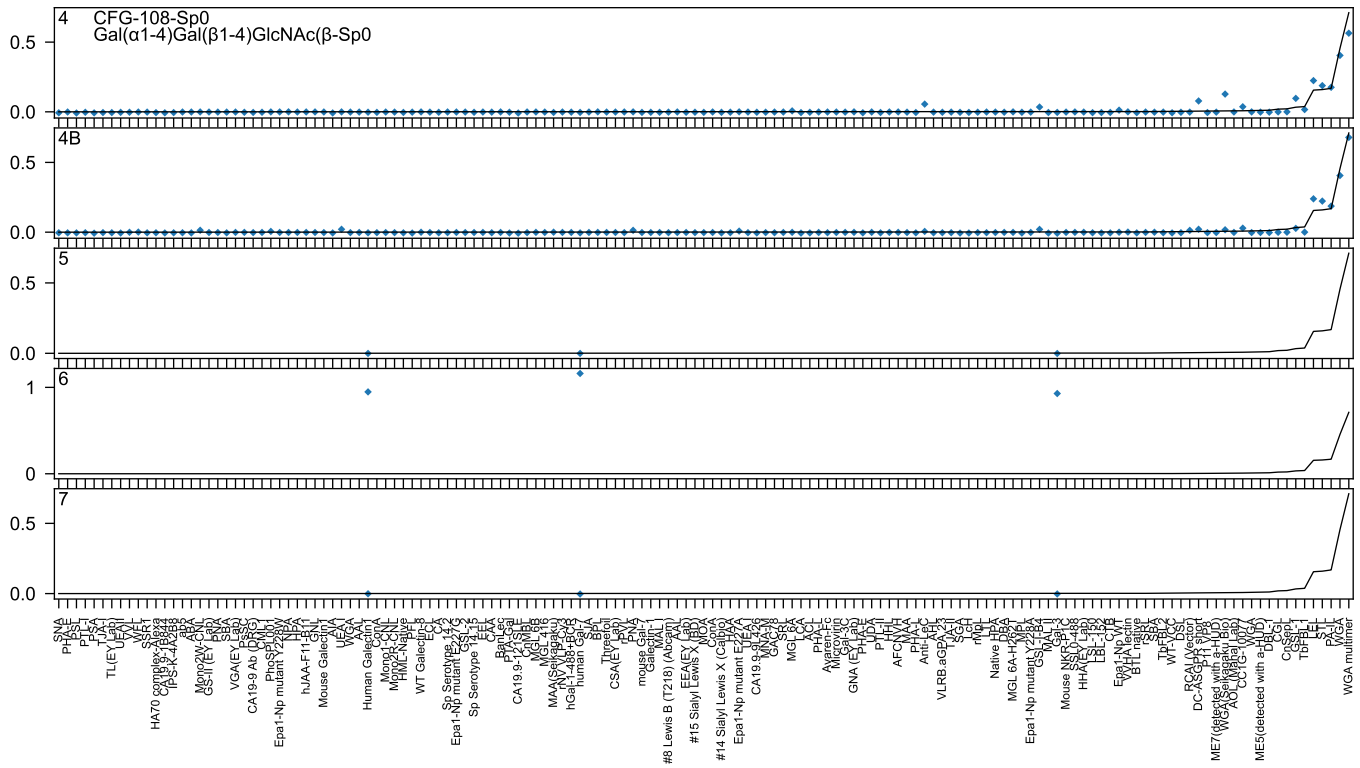

4
CFG-104-Sp8
Gal(α1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
PNA
VGA(EY Lab)
MNA
PTL
SBA
SGA
MAL
MAA(Seikagaku)
LBA
MAX
CA19.9
NALL
PHA-E
SRA
PHA-L
TJA-II
CA19.9-Lab
CA19.9-Lab2
HA70 conjugate
rPS K-4A288
ABO
AOL (Mahal Lab)
SSA
SGA
Neuraminidase
MOR
EEA(EY Lab)
HHA(EY Lab)
PNA
NPA
SSL-Lub8
ME7(detected with a-HUD)
LCA
ACL
ACI
rSSL
CA19-9 Ab (PRG)
PhoSL001
Mono Vicia
WGA
MPL
Epa1-Np mutant E227G
UEA
UEA
Epa1-Np mutant Y228A
Sp Serotype 14.2
Sp Serotype 14.15
#15 Sialyl Lewis X (HD)
CSA(EY Lab)
P11-VP8
P11-VP8
MGL 416
DBA
GSL-2
CAA
CA
CSL
MGL 98
Epa1-Np mutant E227A
#8 Lewis B (72.18) (Abcam)
LSL-159
CA19.9 121SLE
MEX(Vim)
GS-II (Vim)
HMC-Native
MGL 6A-Native
ACA
SA
Bat (Fe)
ABL
hJAA-Tyr(Bio)
SSTI
PTA
HAA
PTA-1
rNV VP1
PTA-2
PDAE
TP-PLC
Mouse NK(Fc)
HPA
VLRB.aGPA
VA3
PTL-I
PTL-II
Mono2CON
ACONA
MGL
UEA
CTB
Avgen VCC
DC-ASGPR
DC-SIGN
Gal-1(488-BCR)
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y228A
TL(EY Lab)
Gal-3C
Epa1-Np
Mouse Galectin-1
BPL
DSL
BVL
BTL native
WGA(Seikagaku, Bio)
Galectin-1
UDA
Ani-LSK
PsSK
EEL
VVHA (Vector)
ME5(detected with a-HUD)
Human Galectin-3
CGL
human Gal-7
RCA (Vector)
CC1
CC1 GS-1004
GSII-4
mouse Gal-7
VGA
STL
WGA mutant
MPA
LEL

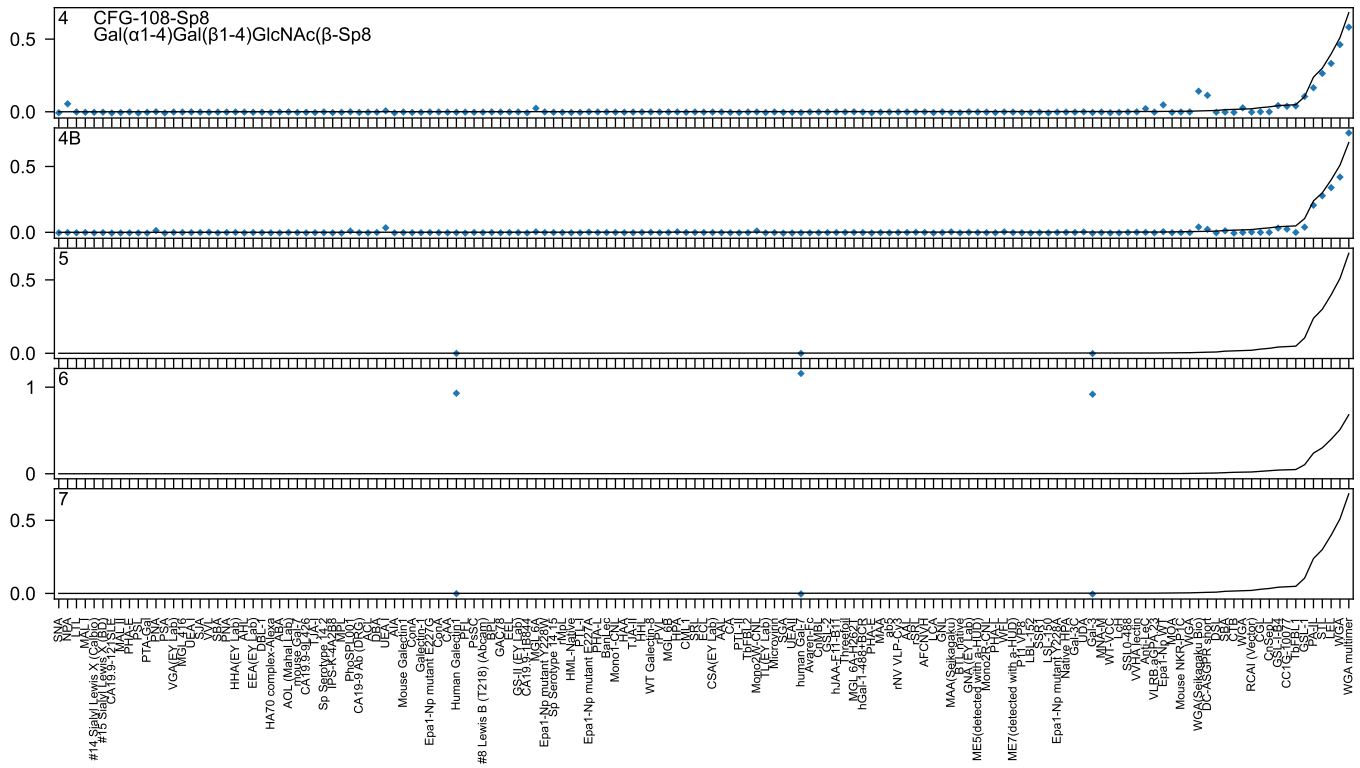
4
CFG-105-Sp0
Gal(α1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
Microgp2
IPS K-12288
GNA(EY Lab)
WGA multimer
HA70 complex-Alexa
MGA
SGA
Native HPA
aGA
VVL
TL(EY Lab)
TJA-I
TJA-II
PTL-I
PNA-Gal
PTA
EST
UEA-I
GS-II (EY Lab)
GNA(EY Lab)
HHA(EY Lab)
CrMBP
Epa1-Np mutant E27/G
PhoS
CMLT
Avarex-F
Sp Serotype 14.15
#8 Lewis B (12 Man)
VLRB-Cy3
ACONV
SSL2-168
ME7(detected with a-HUD)
WT WGA
SNA
PNA
PHA-E
hJAA-F
MAL-II
Mouse NKR-P1C
GSL-I
SLEC
CAA
MAA(Seikagaku)
PCA
P11
VFB
AIA
HAA
CGB
HPA
GNA
WGA
UEA-I
CSA(EY Lab)
Mouse Galectin-1
WGA
WFA
TJA-I
Epa1-Np mutant Y268/A
Sp Serotype 14.15
Epa1-Np mutant Y268/A
Tb
Tb-BL2
CA19-9 Ab
CA19.9-1-21SLE
CA19.9-1-21SLE
Con A
MGL 6A-Cy3
MGL 6A-Cy3
MAA-M
Epa1-Np mutant Y268/V
Epa1-Np WT
GAC78
#15 Sialyl Lewis X (BD)
CA19.9 Ab
UEA-I
Mono2R-Cy3
PSA
AAL
PSSC
MAL-I
Gal-3
AOL (Matsu Lab)
VGA
LBL-182
Gal-1
Gal-8
#14 Sialyl Lewis X (GC)
hGal-1 Ab-BOCR
LSL-150
Mono1-CNL
SNA
MGL-Cy3
VVHA (BSI)
rNV VLP-Cy3
Mono2W-CNL
EEA(EY Lab)
SBA
NPA
Galectin-1
PNA
CGA
ECL
AAL
WGA(Seikagaku)
NPA
Human Galectin
DC-ASGPR short
GSL-I
ME5(detected with a-HUD)
Tb
Tb-BL1
WT Galectin-1
GST-1-84
CGL
RCA (Vector)
CC1G-DBL
human Gal-7
mouse Gal-7
MDA

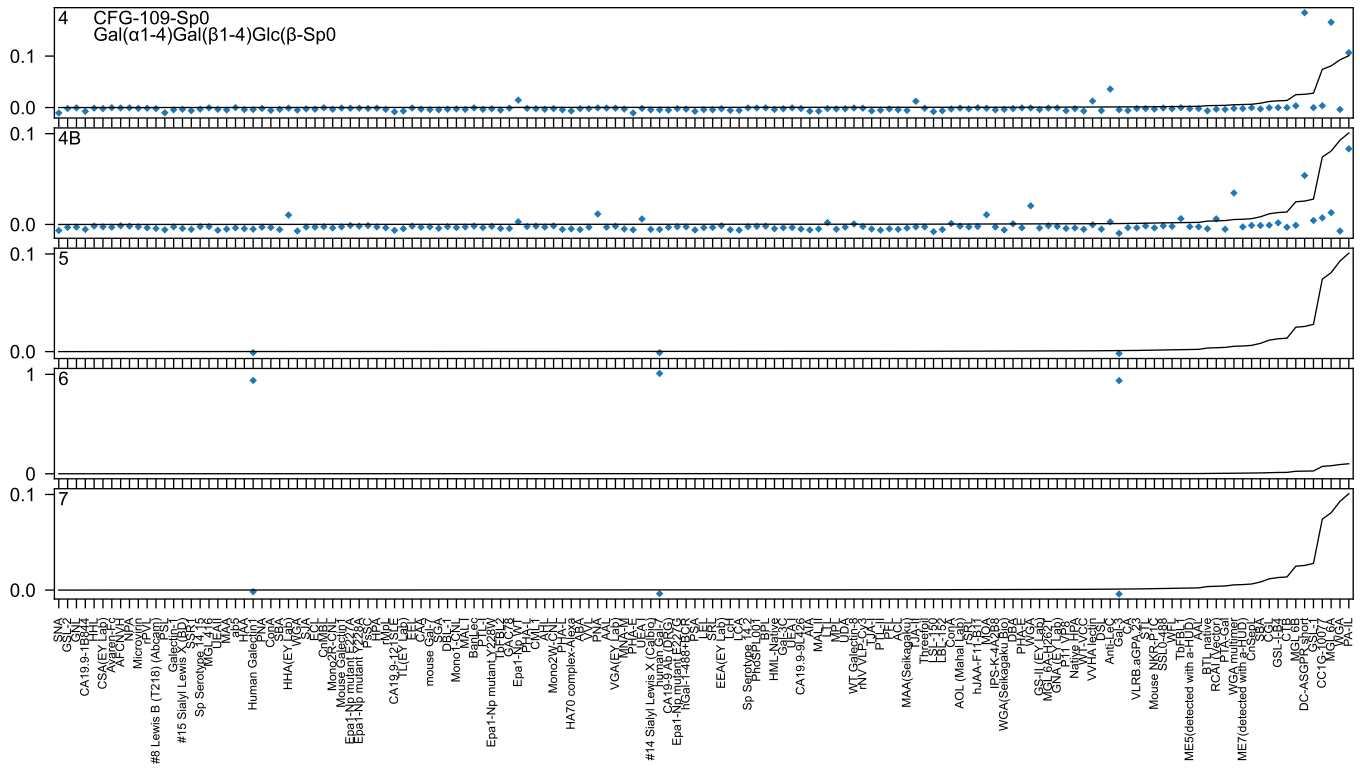
4
CFG-105-Sp10
Gal(α1-3)Gal(β1-4)Glc(-Sp10
4B
5
6
7
0.5
0.0
1
0
SNA
GNA (EY Lab)
EEA (EY Lab)
ECL (Malay Lab)
AOL (Malay Lab)
CA19.9 (Lab)
CA19.9 sLe
Gal-3
WGA mutimer
complex-type
Man
WGA(Seikagaku)
LEL
TL(EY Lab)
PHA-L
PHA-E
PNA
MSA
SBA
VGA(EY Lab)
WGA (Lab)
PhoSL001
Avarrip-Fc
rSRC
Sa Serotype 1-2-3
Sa Serotype 1-2-5
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T216) (Calbio)
APOM
VLRBaCPA 23
VLRBaCPA 28
LSL-180
LSL-150
MNA-M
VGA
SJA
hJAA-F
PI-1
PI-F
MAL1
MAL2
DSL
MAA
HAA
HPA
AIA
CSA(EY Lab)
Threelin
WGA
DBA
SBA
Mouse Galectin1
Human Galectin1
NPA
ACG
ACA
UEA1
GNL
Epa1-Np mutant E227Q
Mono1-CNL
Epa1-Np mutant Y228A
Mouse NKR-P1C
CA19-9 Ab
Mouse NKR-P1B
Epa1-Np mutant E227A
XVI
GSL2
HML
Native
Barley
PSA
PSA
Epa1-Np WT
CA19.9 Ab
Galectin-1
Sp Serotype 14-15
Native HPA
SBA
WT-Tox
IPS-Tox
TcEBC1
OAA
SSA1
rNV VLP-Cy3
CoaA
BP
PVGE
MPT
Epa1-Np mutant Y228V
MGL RA-H2621
MPA
PHA-L
MGL A11
L-A11
ME7(detected with a-HUD)
HHA(EY Lab)
Mono2W-CNL
Mono2R-CNL
DC-ASGPR stalk
UDA
MAA(Seikagaku)
PVL
#15 Sialyl Lewis X (BD)
GSL-1
GSL-4
WT Rat native
CVNA Recombin
CCTG-Recomb
DBL7
GSL-B4
RCA (Vector)
ME5(detected with a-HUD)
MGL-6A
P11 Y98
human Gal-7
Ani-LeC
mouse Gal-7
MOA

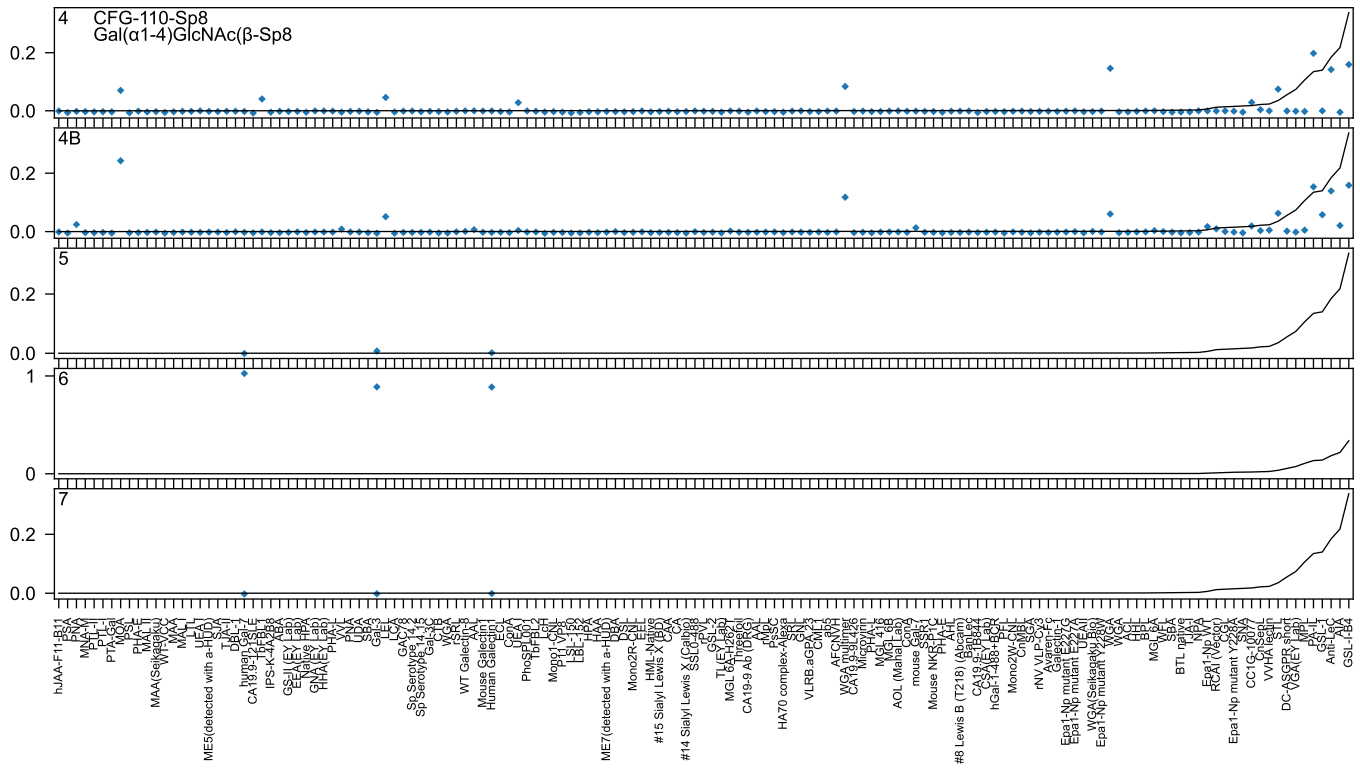

4
CFG-106-Sp8
Gal(α1-3)Gal(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SVA
CA19.9-Lab
CA19.9-18844
human Gal-3
Bam Lec
WGA mutant
HA70 complex-Alexa
DSL-A
WF
UEA
TL(EY Lab)
LCA
PTL-I
AOL (Mahal Lab)
GS-II (EY Lab)
PhaL
CA19-9 Ab (BD)
PhoSL
SS Serotype 4 12
SS Serotype 4 18
MGL 4.18
hGal-1 (BD)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12.18) (Abcam)
HIV (Abcam)
SSL-7 488
LBL-155
WT-VCC
VGA(EY Lab)
SNA
PNA
HHA(EY Lab)
MGL 6A-H2621
Human Galectin-1
Mouse Galectin-1
VGA
CAA
CTB
Galectin-3
AIA
Mono2Man
CGNE
CgnA
PA
CA
ECL
CSA(EY Lab)
MAA(Sellers Lab)
BEA
MOA
LCA
WGA
SBA
Micro2Man
Epa1-Np mutant E227G
VLRB-APC
APC
DSL
Epa1-Np mutant E227A
HPA
PNA
CGL1
GSL-I-B4
mouse Gal-7
WT Galectin-9
Mouse NRK-BPC
RIC
RIC-I
MEL-I
PTL-I
GNA (EY Lab)
HHL
#14 Sialyl Lewis X (Calbiochem)
MGL
AIL
Galectin-1
Mono1Man
Epa1-Np mutant Y228G
Epa1-Np mutant Y228S
hJAA-FITC
TJA-I
EEL
Mono2Man
ACL
Mono3Man
Threefold
HAA
Epa1-Np mutant Y228A
HA (ectodomain)
CA19.9-12
SLE
Avarol
PEC
EEA
EEA(EY Lab)
NV VLP-GI.3
Tor-B
Epa1-Np WT
ME7(detected with a-HUD)
WGA(Seikagaku Bio)
MAL
BTL (Vector)
DC-ASGPR
GSL-I
Anti-PAC
AAL
ME5(detected with a-HUD)
CC1(15884)
GSL-I-B4
RCA(Vector)
P11-2B8
Native-HA
PHA
MOA

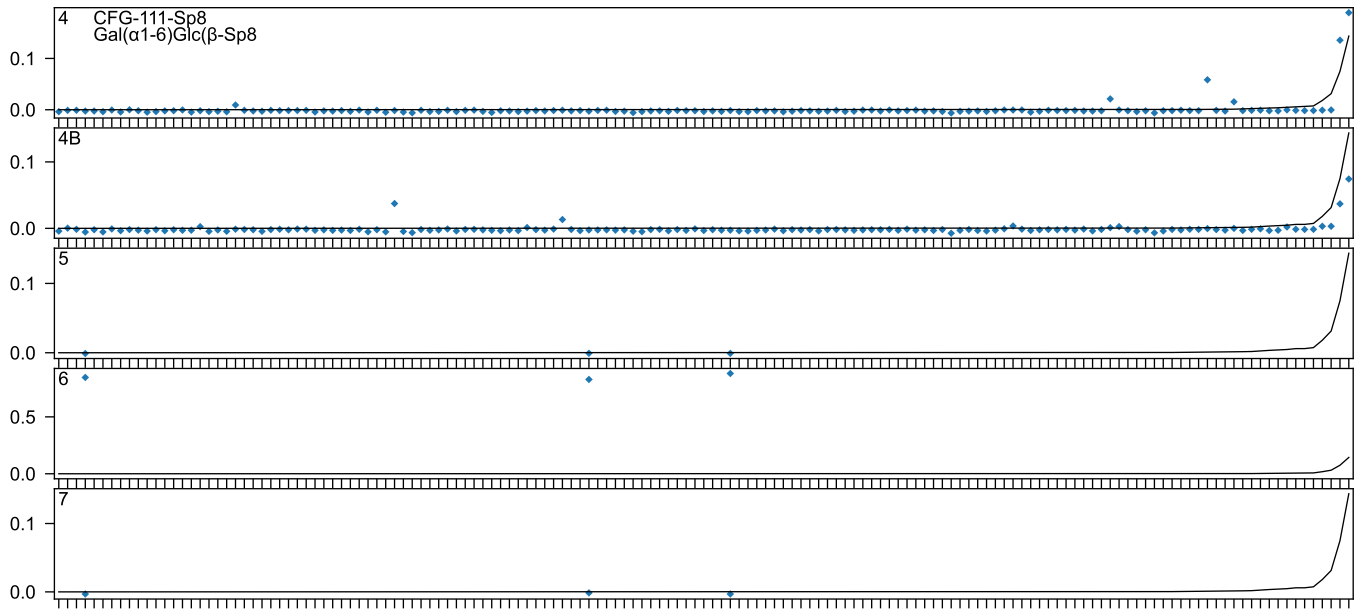

4
CFG-107-Sp8
Gal(α1-4)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
DBA
ME5(detected with a-LUD)
DSA
PNA
SBA
MAL I
PNA
HHA(EY Lab)
MAL II
BSE
PHA-L
PTA-Gal
PSA
Mono2W-PSA
ABA
IPS-K-4A
BSB
UEA I
VFL
CA19.9-18844
mouse 9-27
AHL
human Galectin-3
MGL
BPL
BP
#15 Sialyl Lewis X (Abcam)
VGA(EY Lab)
Epa1-Np mutant Y228W
ConA
Human Galectin1
Mouse Galectin-9
Epa1-Np mutant Y228W
WT Galectin-9
#8 Lewis B (rT218) (Abcam)
Galectin-1
ACL
AAL
VVL
HA70 complex-Alexa
PSN
Mono2R-CNL
MGL-1
GSL-I-B4
CAA
GNA
nGal-1-488
PSL-CR
CA19.9-1116(PSE)
SSA
SSBT
CSA(EY Lab)
Sp Serotype 14-15
TLL(EY Lab)
CAA(EY Lab)
GS-II (EY Lab)
Sp Serotype 4
MPL
Epa1-Np mutant E227G
ECL
Pho-SP1-026
CA19.9-1126
EEA(EY Lab)
ACA
Gal-3C
BanLec
MGL-BA-H2621
HMA
Galectin-7
PSGC
PTL-I
TJA-I
MAAA(Seikagaku)
MPA(Y)
Threoglo
BPA
PNA
DBA
#14 Sialyl Lewis X (Cabio)
Mono1-CNL
MVA-N
hJAA-F11-B11
Avarol
MAA
SGA
Conn A
CGA
MAL
ACNOH
GNA (EY Lab)
Epa1-Np mutant Y228A
Native-TBA
SSA-H108
ME7(detected with a-LUD)
BTL native
VLRB gly-0-23
LBL-152
Anti-LeC
DC-ASGPR sigt
LSL-150
VVHA (Jenner)
WT-VCC
Epa1-Np WT
INV-NP-PA
Mono2M-PSA
RCA (Vector)
GSL-CTB
GSL-I
CC1G-10024
CGL
WGA(Seikagaku Bio)
PAL
AOL (Maha Lab)
TJA-I
WGA
VGA
WGA multimer
UEA I

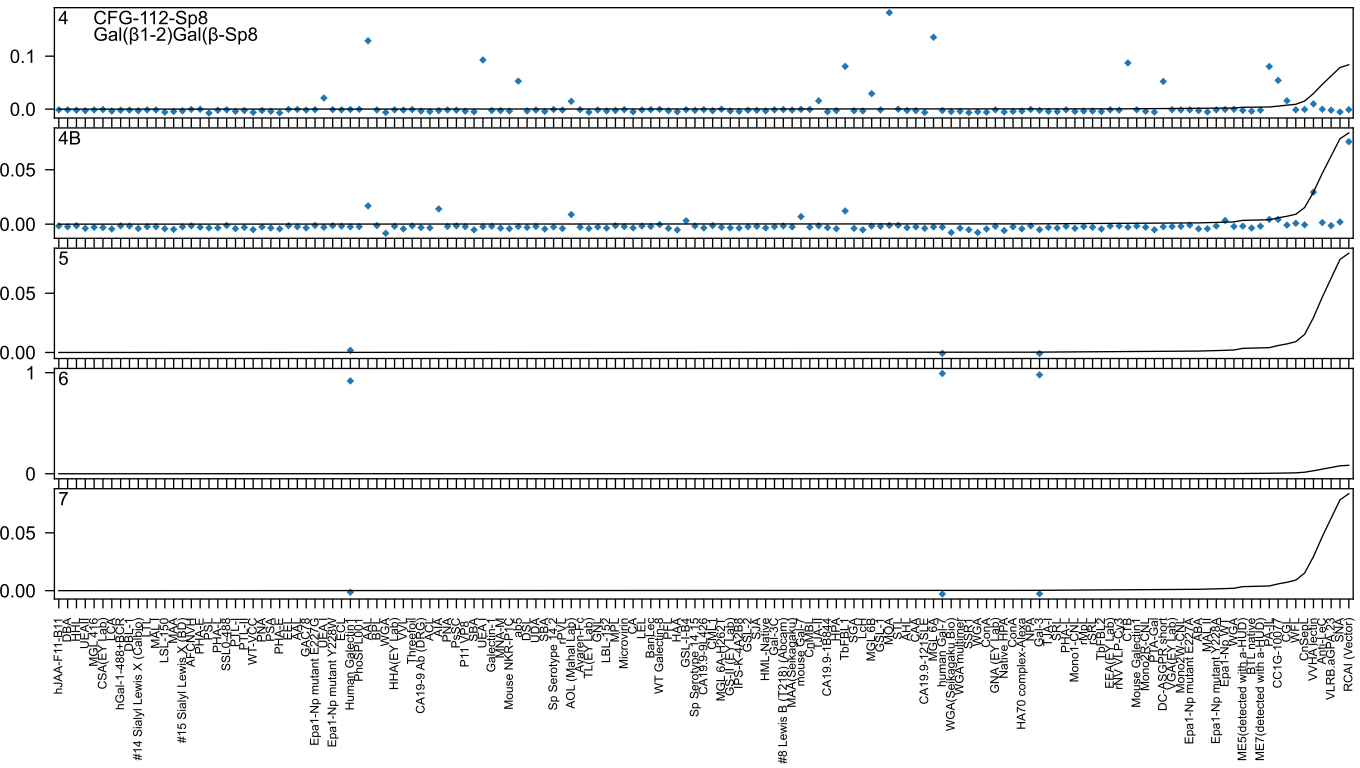

4
CFG-108-Sp0
Gal(α1-4)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
BSL
PTA
PSA
TJA-I
TL(EY Lab)
UEA-I
VVL
SSA
SSA51
HA70 complex
CA19.9 (Abcam)
iPS-K-4A2B8
ABA
Mono2(EY Lab)
GSII(EY Lab)
PWA
BPA
BS-I
VGA(EY Lab)
CA19-9 Ab
DSA
PhoSL(EY Lab)
Epa1-Np mutant Y228A
NPA
hJAA-F11
BS-II
GNL
Mouse Galectin-7
UEA-I
VFA
AAL
Human Galectin-1
Mono1(EY Lab)
MNA(EY Lab)
PFL
WT Galectin-8
PCL
LCA
Sp Serotype 12
Epa1-Np mutant E227K
GSL-I-B4
Sp Serotype 1
EEL
ECA
Bandeiraea
PTA-Gal
CA19.9-Cancer
CONBE
MGL 4B8
MGL 4B6
MAA(Seikagaku)
hGal-1-488-HC03
human Gal-7
BPL
Thyroglobulin
CSA(EY Lab)
PNA
mouse Galectin-1
Galectin-1
#8 Lewis B (T218) (Abcam)
AAL
#15 Sialyl Lewis X (BD)
EEA(EY Lab)
MOA
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E227A
CA19.9 (Abcam)
UEA-I
MAA(Seikagaku)
GAL8
MGL 8A
LCA
PHA-E
PHA-L
Aleuria aurantia
Gal-3C
GNA (EY Lab)
PHA-E
PUL
PHA-L
H-1
APC
MAA
ABL
PHA-L
Anthrax toxin
VLRB.aGPA.23
TSA
SGA
rMGL
TIL
Native Jacalin
DBA
MGL 6A-H262
Epa1-Np mutant Y228A
GNA
Gal-3
Mouse NSCC-488
HHA(EY Lab)
LBL-182
Epa1-Np CYB
VVA
HA lectin
BTL native
SBA
WFA
TKA-PC
DSL
RCA (Vector)
DC-ASGPR (R&D)
PA-IL
MET(detected with a-MET)
WGA(Seikagaku, Bio)
AOL(Vector)
CCL2(R&D)
WGA
ME5(detected with a-ME5)
DBL(D)
Gal
GSL-I
CpGal-1
TBP
BEL
STL
RCA
WGA
WGA multimer

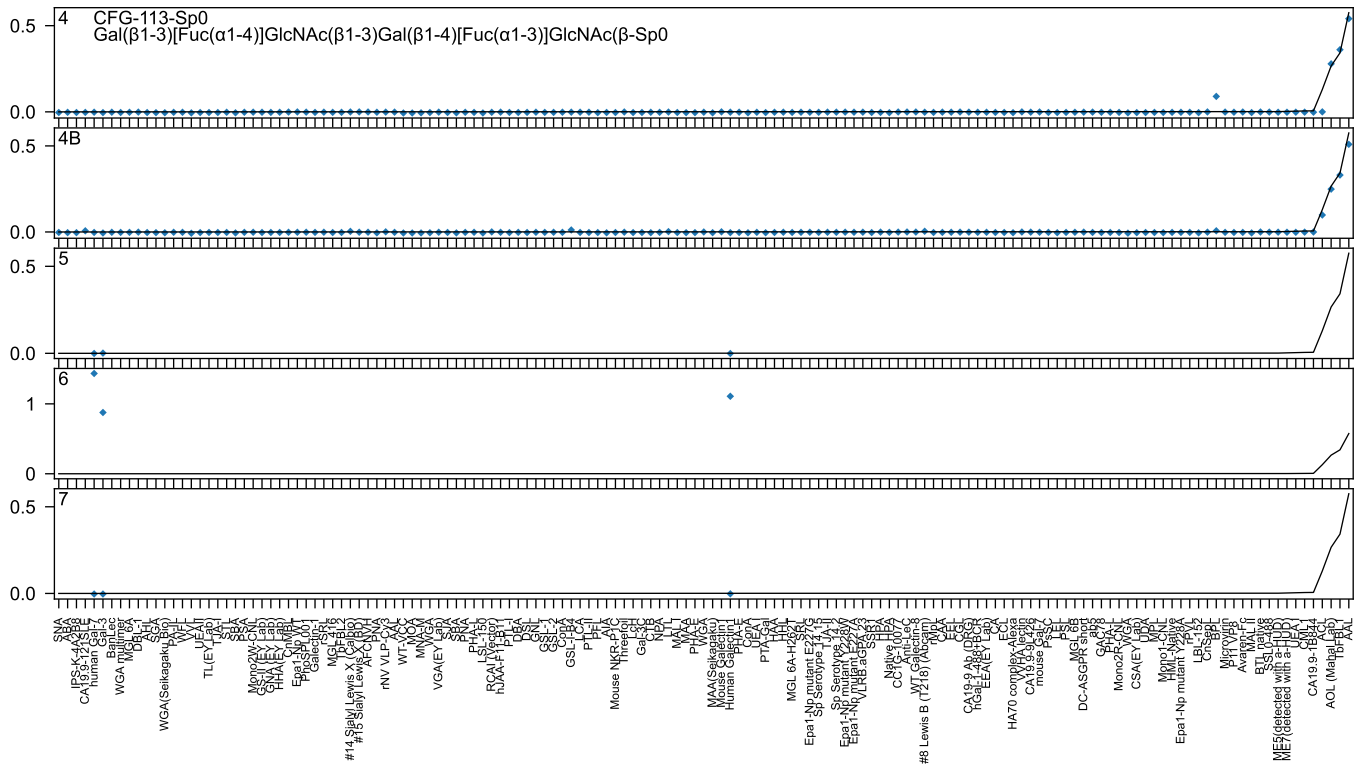

4
CFG-108-Sp8
Gal(α1-4)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
MAL I
MAL II
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (TBD)
CA19-9 (Abcam)
MAL II
PHA-E
PTA-Gal
PSA
VGA(EY Lab)
MOG
UEA I
SVA
SBA
SNA
LCA
HHA(EY Lab)
ATL
EEA(EY Lab)
DBA
HA70 complex-Alexa
AAL
AOL (Mahal Lab)
CA19-9 (Abcam)
CA19-9 Ab (DRG)
Sp SSEA-4 Ab
Sp SSEA-1 Ab
MAL I
PhoSL
MPL
CA19-9 Ab (DRG)
DBA
UEA I
Mouse Galectin
ConA
Epa1-Np mutant E227G
ConA
Human Galectin1
#8 Lewis B (T218) (Abcam)
GA
C28
EEL
GSL II (EY Lab)
CR16 (EY Lab)
Epa1-Np mutant V286A
Sp Serotype 14-15
HML-Nature
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Bamac
Mono7-HA
HAA
TJA-I
WT Galectin-8
MGL-65
HPA
CNA
SBL
CSA(EY Lab)
Eel
AAL
PTL-I
PTL-II
Mono2-CONA
Microvirin
UEA I
human GalectinC
Avenin-C
CONBR
hJAA-F11-B11
MGL 6Threonol
hGal-1 484-BCS
PNAE
abo
rNV VLP
AAL
SGL
AFCVCA
GNL
MAA(Seikagaku)
BTL (Native)
ME5(detected with α-Vulp)
GNA (EY Lab)
Mono2-CONL
PNA
WFE
ME7(detected with α-Vulp)
LBL-162
LSSS3
Epa1-Np mutant Y228A
LSSS3
Native HCA
DBA
GNA
MNA
WT-TCH
SSL0-488
VVA lectin
VVA lectin
VLRB aGPA 23
Epa1-Np
MOA
Mouse NKR-P1C
WGA(Seikagaku Bio)
DC-ASGPR sugar
SNA
SBA
VGA
RCAI (Vector)
ConSeL
GSL I-B4
CC1 Tg
TnFBL1
GNL
SJA
STL
WGA
WGA multimer

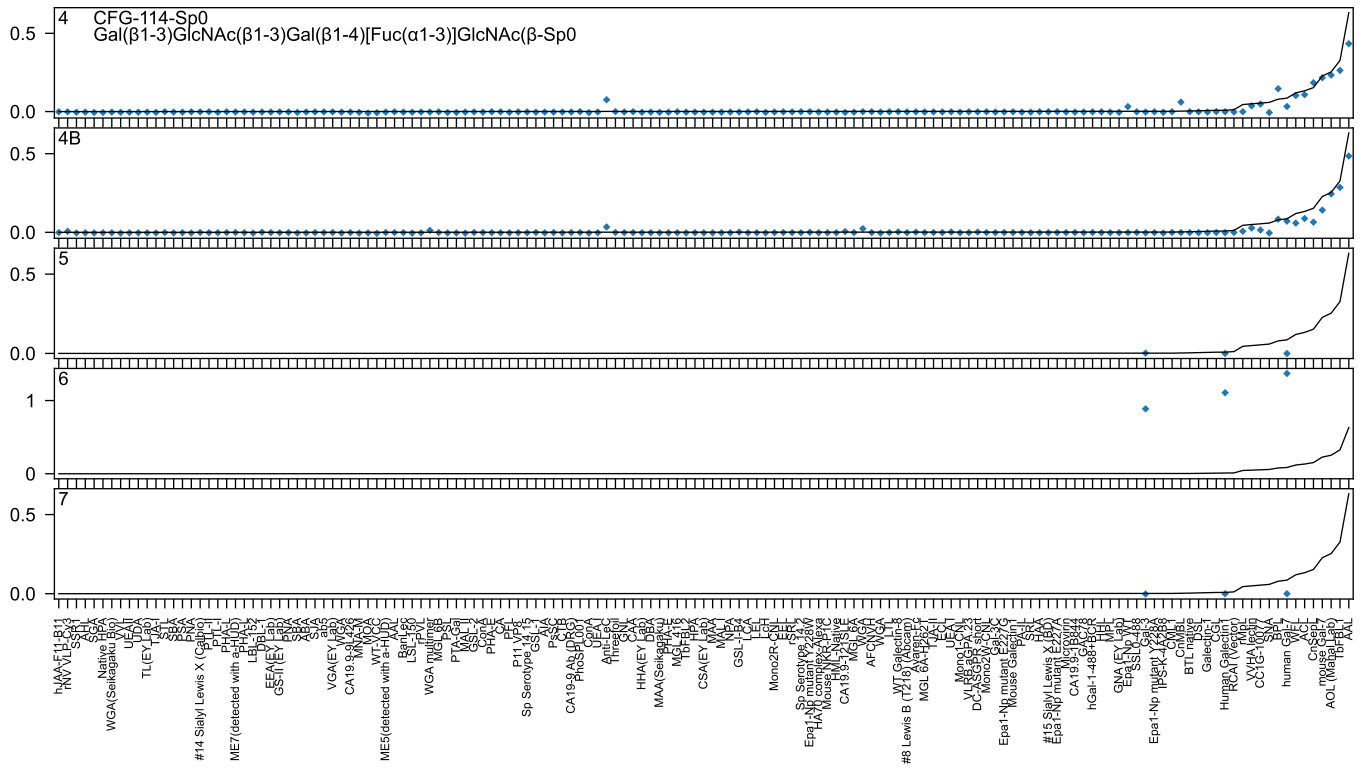

4
CFG-109-Sp0
Gal(α1-4)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.1
0.0
1
0
SMA
GSL2
GNL
CA19.9-18
PHA
CSA(EY Lab)
APCNVH
NPA
Micromon
PVT
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis X
Galectin-1
SSBR
Sp Serotype 14 12
MGA-14 12
UEAI
MAA
HAA
Human Galectin-3
PNA
CGA
SBA
HHA(EY Lab)
VGA
ECL
Mono2-CNL
Mono2-RCA(I)
Mouse Galectin-1
Epa1-Np mutant E222A
Epa1-Np mutant E222G
PSA
PSA
MVL
CA19.9-17
SJA
TL(EY Lab)
EEL
mouse Galectin-3
SGA
DSA
Mono1-CNL
MAL
Bauhinia
Epa1-Np mutant D224V
Epa1-Np mutant D224N
GAL3
Epa1-Np mutant E222A
PHAT
CAIL
CAIT
Mono2W-CNL
Mono2W-RCA
HA70 complex-Alexa
ABA
ABA
PNA
VGA(EY Lab)
AAL
MNA-M
PHEA
#14 Sialyl Lewis X (Calbiochem)
CA19.9 (Np 108G)
Epa1-Np mutant E222G
Np mutant E222G
rNGal-14bGlcNAc
PSA
SJA
SBL
EEA(EY Lab)
LCA
LCA
Sp Serotype 14 12
PhoSL (101)
BPL
HML-Native
UEA1
CA19.9-9E
ACA
MALI
MPL
UDA
WT Galectin-9
rNV VLP-OX3
PWM
PHL
PHE
MAA(Seikagaku)
HPA
Tomato
Tomato-189
LBL-Crude
AOL (Mahal Lab)
hJAA-F11 S11
IPS-K-4
MOA
WGA(Seikagaku) 888
PPE
PUL
VGA
GS II (EY Lab)
MNA-M (EY Lab)
GNA (EY Lab)
Native LPA
VVHA (BSI)
WT-VCC
AntiGalectin-3
CA
VLRB.aGP-1.2
Mouse NKR-P1C
SSL (WB)
TbFBP1
ME5(detected with a+b)
AAL
RCA I Native
PTA-Gal
WGA (Mahal Lab)
ME7(detected with a+b)
CnSepA
ZEA
GSL-I-B4
MGL-1B
DC-ASGPR-Sulf
CC1G_10077
MOGA
PA-IL

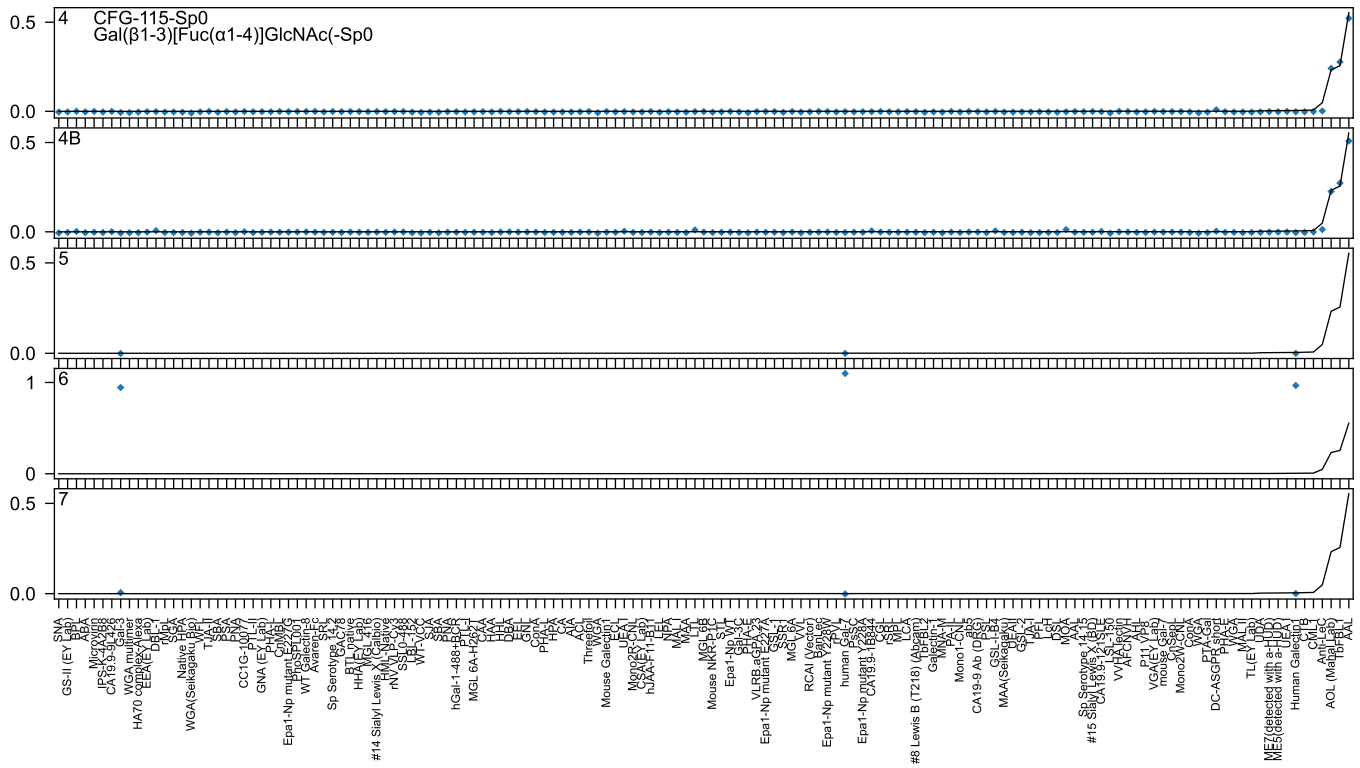

4
CFG-110-Sp8
Gal(α1-4)GlcNAc(β-Sp8
4B
5
6
7
0.2
0.0
1
0
hJAA-F11
BSA
PNA
MNA-M
DBA-M
PTA-L
MGA
PHA-E
MAL-I
MAA(Siaα2-3Galβ)
WFA
MAA
MAL
ME5(detected with a-HUA)
SJA
TJA-I
DBA-1
human Gal-7
CA19-9
IPS-K-4A2B3
GS-II (EY Lab)
ETA(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
PHA-L
VVL
UDA
SBA
GSL-I
LEL
GACYA
Sb Serotype 14.2
Sp Serotype Gal-3C
CTB
VSR
YSR
WT Galectin-3
Mouse Galectin1
Human Galectin1
ECL
CGA
PhoSPLDB1
TcBSL2
Mogr1-CNL
PSL-VRP
LBL-1B2
HAA
ME7(detected with a-HUA)
DSL
Mono2R-EBL
HML-Naive
#15 Sialyl Lewis X (BDA)
#14 Sialyl Lewis X (Gab)
SSL-188
SSL-2
SSL7
GNL
TJA(EY Lab)
MGL (EY Lab)
CA19-9 Ab (DRG)
AOL
PseSc
HA70 complex-Asial
GP2
VLRB.aGPC
CMC1
AFCN
WGA multimer
CAY-1 Ab (Kikkoman)
MGL-1A
MGL-1B
AOL (Matsu Lab)
mouse Gal-7
Mouse NKG2D
PTA-E
#8 Lewis B (T218) (Abcam)
CA19-9 Ab (BD)
CSA(EY Lab)
hGal-1-488+PBS
Mono2W-CNL
rNV VLP-Cy3
Galectin-1
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
WGA(Seikagaku)
Epa1-Np mutant K228N
WGA
ACL
BPL
MGL-1A
SBA
BTL native
NPA
Epa1 (Np W)
RCA (Vector)
Epa1-Np mutant Y228A
CCL
CC1G-10077
VVHA recombinant
DC-ASGPR
STL
VGA(EY Lab)
PNA
PWL
GSL-I
Anti-A
AIA
GSL-I-B4

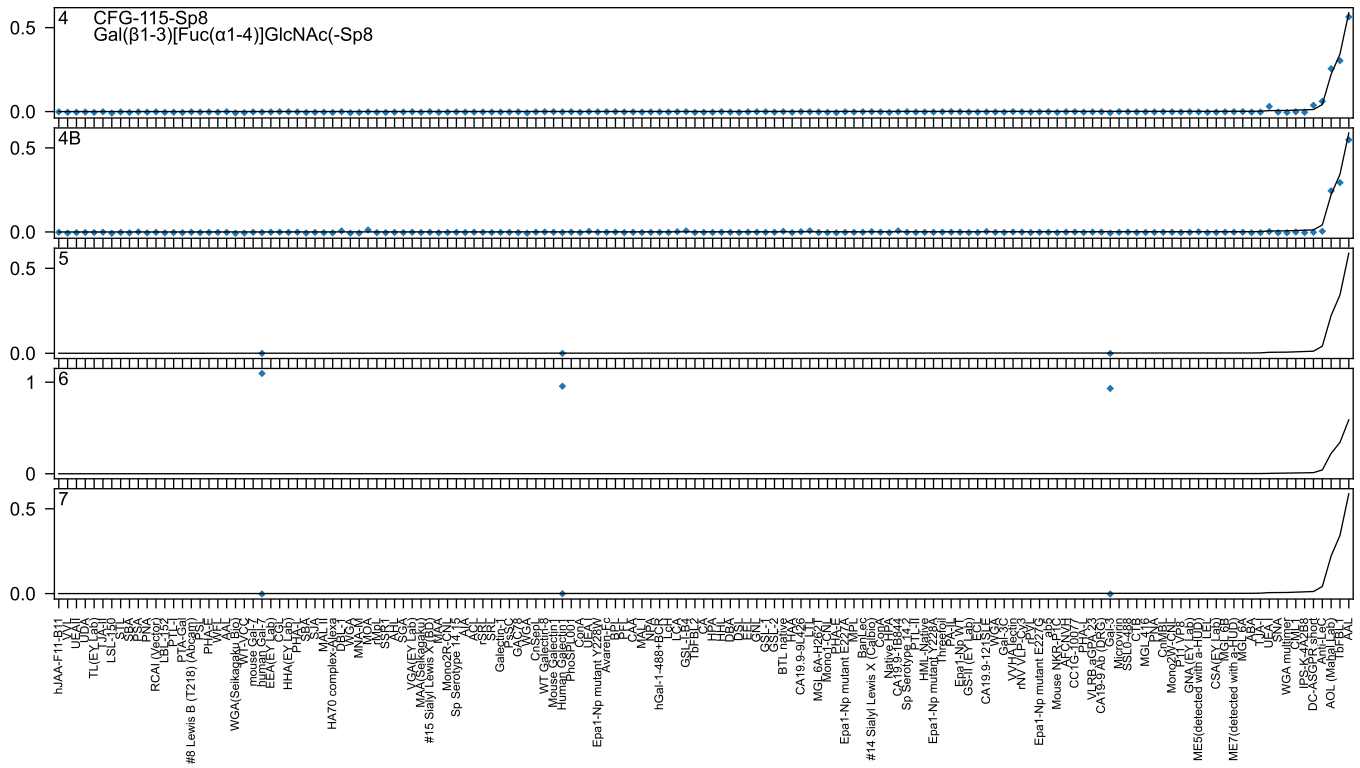

4
CFG-111-Sp8
Gal(α1-6)Glc(β-Sp8
4B
5
6
7
0.1
0.5
0.0
SNA
SNA
Microvirin
Banac
Bacillus
WGA
MGSA
SGA
UDA
TL(EY Lab)
LAA-I
LAA-II
SJA
PSA
RCAI (Vector)
PTL-I
P17
BPL
HHA(EY Lab)
PNA
SBA
CMG
Epa1-Np mutant CMG
PhoSPOO1
ONE
Avarol
BYL (native)
XVIA (Calbiochem)
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis a (BD)
AFCNOH
LSL-150
WT-XCC
MNA
VGA
VGA(EY Lab)
SJA
SSLO
SSA
FSL
MGL
RA-H-B1
TJA-I
CAA
ACA
Galectin-3C
CTB
DBA
VFA
HPL
AAL
CGL
HAA
Human Galectin-1
HPA
PHA-E
PHA-L
MAA(Seikagaku)
PWM
MAL
LCA
LTL
CSA(EY Lab)
GS-I-B4
HMA(Native)
hGal-1-488 (Abcam)
ALL
human Galectin-7
Mouse NKR-P1C
BTL
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y258W
CA19-9
CA19-9 Ab (DRG)
CA19-9 Ab
SSA
SSA
SSR1
Thrombo
CA19.9-1
PHT (TSLE)
PNA
Sp Serotype 14-2
Galectin-1
PSSC
MEL
VVL
GSII
Native PHA
CA199-18B4
CA199-1B4
Monoclonal
iPS-K-4A2B
HA70 complex-Alexa
WT Galectin-8
AOL (Mahal Lab)
CNEA
VLRB.a
GS-2-3
Sp Serotype 14-15
mouse SIGN
EEA(EY Lab)
SBA
CC1G-1D8(7
GNA (EY Lab)
rNV VLP_C3
WGA(Seikagaku Bio)
Epa1-Np mutant Y258A
GAC78
Mouse Galectin-7
Mono2(WCNI)
Epa1-Np mutant Y258A
Monoclonal
Epa1-Np
PVV
ME7(detected with a-HUD)
GS-II (EY Lab)
DrBL2
VVHA-Wild
ME5(detected with a-HUD)
AIA
PeSL
Anti-PeSL
DC-ASGPR short

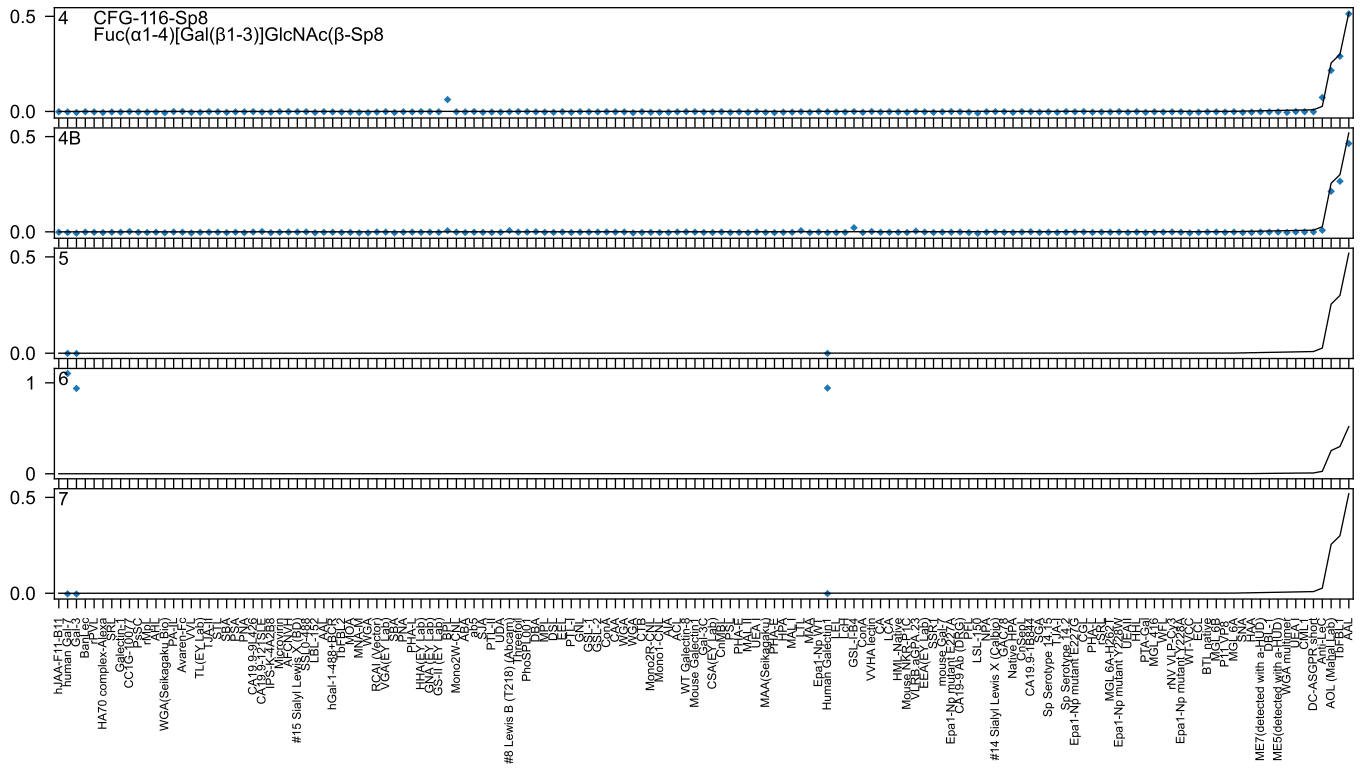

4
CFG-112-Sp8
Gal(β1-2)Gal(β-Sp8
0.1
0.0
4B
0.05
0.00
5
0.05
0.00
6
1
0
7
0.05
0.00
hJAA-F11
BA
EEL
UEA
MGL-1 Lab
CSA(EY Lab)
hGal-1-488+BCR
#14 Sialyl Lewis X (Cabilly)
MAL
LSL
MAA
#15 Sialyl Lewis X
AF-CHO
PHA-E
PHAE
PHA-L
SSL-1488
PTL-I
WT-PNA
PNA
PSA
PHA-P
EEE
GAL7
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
ECL
Human Galectin-1
PhoSL001
BPL
BAP
WGA
HHA(EY Lab)
Thrombo
CA19-9 Ab (Dako)
ACG
AIA
PNA
PSA
PSL
UEA
Galectin-1
Mouse NKR-P1C
OSA
OSL
UEA
Sp Serotype 14-2
Sp Serotype 7
AOL (Mahal Lab)
Aviaryn-Fc
TL(EY Lab)
GNL
LBL
MIA2
Microvirin
LEA
BanLec
WT Galectin-8
PEP
GSL-I
HAA
GSL-I-B4
Sp Serotype 14-15
CA19-9 ab 426
MGL-6A-H2021
MGL-6A-H2021
GP-5 (EY Lab)
IPS-1 (EY Lab)
GSL-2
HPA
HML-Native
#8 Lewis B (T218) (Abcam)
Gal-3C
MAA(Seikagaku)
mouse Gal-7
DMA
CA19.9-1-488
DAA
TxB
TxB-1
LCA
LCH
MGL-1B
MGL-1
OOA
AIL
SNA
CAE
CA19.9-1-488
MGL-6A
human Gal-7
WGA(Seikagaku)
WGA(multimer)
VGA
ConA
GNA (EY Lab)
Native ConA
HPA
HA70 complex-Alexa
NPA
Gal-1
Gal-3
SRL
PLA2
Mono1-CON
RIC
Mono2-CON
TxB
TxB-2
EEA (EY Lab)
RVA (EY Lab)
CTB
Mouse Galectin-1
Mouse Galectin-3
PTA-Gal
DC-ASGPR (EY Lab)
Mono2-CON
Epa1-Np mutant E227A
ABA
Epa1-Np mutant M228A
Epa1-Np mutant W228A
Epa1-Np WT
ME5(detected with a-HUD)
BT native
ME7(detected with a-PAD)
CC1G-10007
WFL
WFA
Gal-1
Gal-3
VVH
CA19-9
VLRB.aGFP
AGH1-SC
SNA
RCAI (Vector)

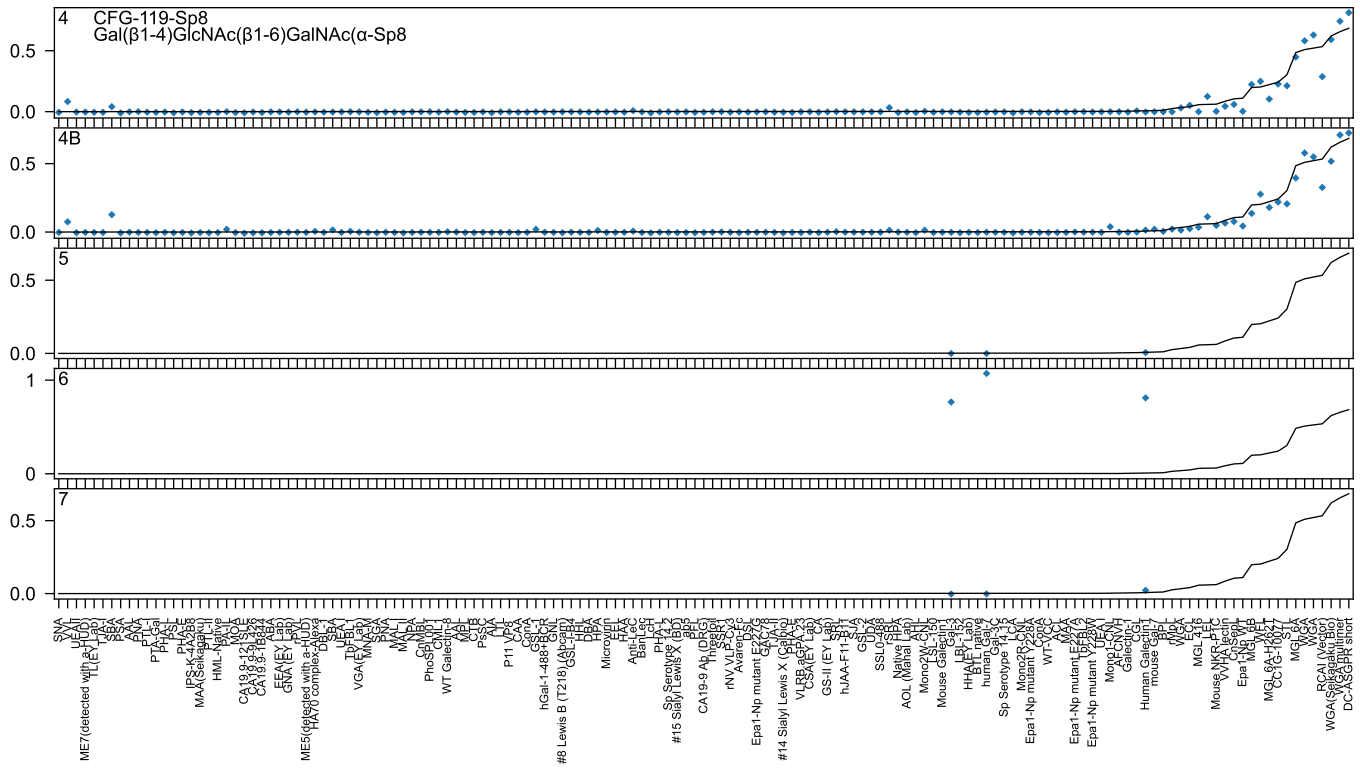

4
CFG-113-Sp0
Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA-I
IPS-K-14-A258
CA19.9 Human
Gal-7
Gal-3
Bacillus
WGA multimer
MGL-6A
DC-SIGN
ASGPR
PAA
PAA-H
WVA
UEA-I
TL(E.Y.Lab)
TJA-I
SJA
SSA
PSA
Mono2W
GSL-IV(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
Epa1-Np 001
Galectin-1
MGL-1/6
TcFBP
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
AFCHA
nV VLP-CV3
WT-CVA
MOA
MNA
VGA
VGA(EY Lab)
SBA
SBA-A
PHA-L
RCA I
LSL-155
hNAA-H1-B37
PNA
DBA
SNL
GSL-2
GSL-I-B4
GSL-I-A4
LCA
PSL
PFL
Mouse NKR-P1
AAL
Threonin
Gal-3C
Gal-1C
CTB
NPA
MAL
PWM
PNA
WGA
MAAA(Seikagaku)
Mouse Galectin1
Human Galectin1
BPA-L
ECA
CorA
PTA-Gal
HPA
MGL 6A-H2B1
Epa1-Np mutant E225G
Sp Serotype 14-15
Sp Serotype 14-1
Epa1-Np mutant Y226V
Epa1-Np mutant Y226A
VVA(TRB aGPA-73)
SSB3
Native HPA
CCL2 Chemokine
WT Galectin-8
#8 Lewis B (T218) (Abcam)
PHA-E
CAA
CGL
CA19.9 Ab (BD)
Neu5Gc-Gal
EEA(EY Lab)
ECL
HA70 complex-Alexa
CA19.9-Ab-428
mouse PSA
DC-ASGPR short
MGL-1/8
GAL
Mono2-PHA-L
CSA(EY Lab)
MPL
Mpn1-Native
Epa1-Np mutant Y226A
LBL-152
Chs-BP
Microvirin
Avarap-P
MAL II
BTL 04188
SSL 04188
MEF(detected with a-HUP)
MEF(detected with b-HUP)
UEA-I
ACL
CA19.9-T8844
AOL (Matal-BP)
AAL

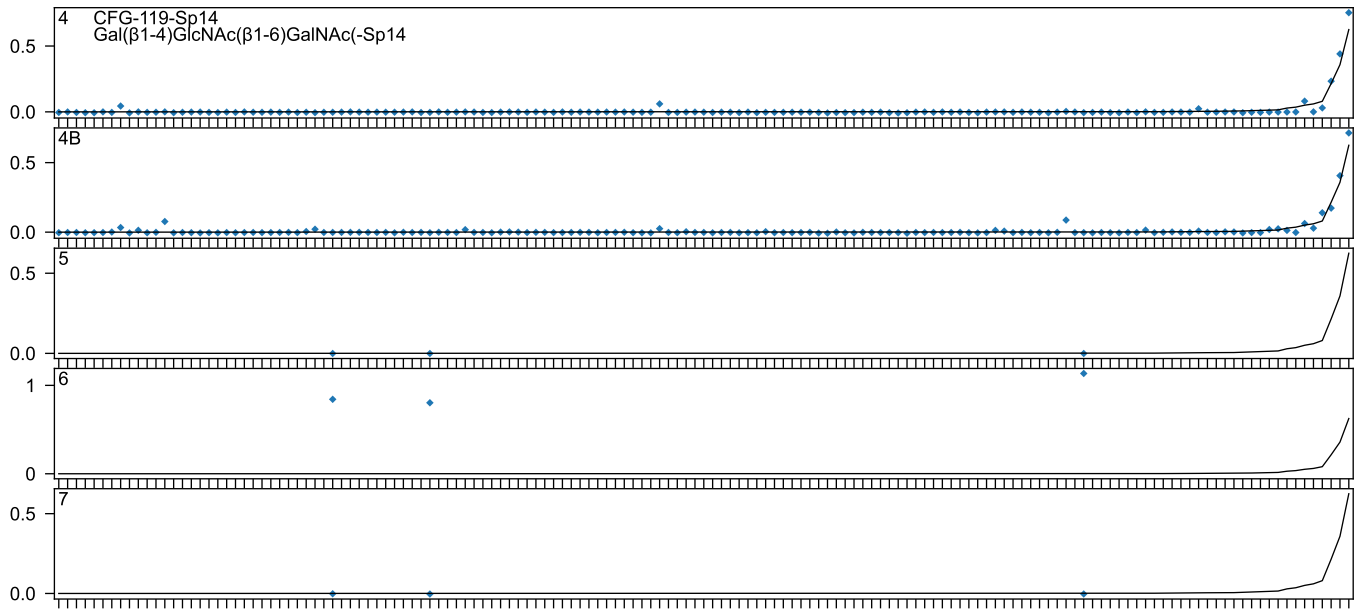

4
CFG-114-Sp0
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hMAF11-B13
hNV-VL1B-B11
SSA
SSA1
SGA
Native HPA
WGA(Seikagaku)
WVA
UEA
UEA1
TL(EY Lab)
TJA-I
SBA
SBA
PNA
PNA
PHA-L
PHA-L
ME7(detected with a-HUD)
PHA-E
PHA-E
LEL
DBA-1
EEA(EY Lab)
GSII(EY Lab)
RCA
RCA
SBA
SBA
SVA
SVA
lab
lab
VGA(EY Lab)
VGA
CA19.9-9
CA19.9
MAA
MAA
WT-MOA
WT-MOA
ME5(detected with a-HUD)
AAL
Bar-1
LSL-1-B1
WGA multimer
WGA multimer
MGL-B5
PTA-Gal
MGL-1
MGL-1
CCA
CCA
PHA-E
PHA-E
PPL
P11
Sp Serotype_14_15
Sp Serotype_14_15
GSL-I-A4
GSL-I-A4
PSA
PSA
CA19-9 Ab (DSB)
CA19-9 Ab (DSB)
PhoSL001
PhoSL001
UEA-1
UEA-1
Anti-Lec
Anti-Lec
Thr-Gal
Thr-Gal
GNL
GNL
CAA
CAA
HHA(EY Lab)
DBA
DBA
MAA(Seikagaku)
MAA(Seikagaku)
BPA-U
BPA-U
MGL-4-16
MGL-4-16
Tn-BP
Tn-BP
HPA
HPA
CSA(EY Lab)
CSA(EY Lab)
MAL
MAL
MAL-1
MAL-1
GSL-I-B4
GSL-I-B4
LCA
LCA
LEL
LEL
LCH
LCH
Mono2R-CNL
Mono2R-CNL
SSL
SSL
Sp Serotype_28/47
Sp Serotype_28/47
Epa1-Np mutant X228A
Epa1-Np mutant X228A
HA/NA complex-Alexa
HA/NA complex-Alexa
Mouse IgM-Native
Mouse IgM-Native
CA19.9-V7/SLE
CA19.9-V7/SLE
MOA
MOA
AFCNCA
AFCNCA
LTA
LTA
WIT Galectin3
WIT Galectin3
#8 Lewis B (T2718/Alcam3
#8 Lewis B (T2718/Alcam3
MGL GAP-12-C1
MGL GAP-12-C1
UEA-1
UEA-1
Mono1CNL
Mono1CNL
VL-Asialo-a-23
VL-Asialo-a-23
DC-SIGN-Fc
DC-SIGN-Fc
Mono2W-CNL
Mono2W-CNL
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Mouse Galectin1
Mouse Galectin1
PSL
PSL
SRL
SRL
#15 Sialyl Lewis X (HD
#15 Sialyl Lewis X (HD
Epa1-Np mutant E227A
Epa1-Np mutant E227A
CA19.9-CB44
CA19.9-CB44
GAC-78
GAC-78
hGal-1-486-HEL
hGal-1-486-HEL
MIL
MIL
GNA (EY Lab)
GNA (EY Lab)
Epa1-Np WT
Epa1-Np WT
SSL-Gal3
SSL-Gal3
Epa1-Np mutant X228A
Epa1-Np mutant X228A
PSA-K-Alexa
PSA-K-Alexa
CCMP
CCMP
CnMBL
BTL mutant
BTL mutant
DSP
DSP
Galectin1
Galectin1
Human Galectin1
Human Galectin1
RCA (Vector)
RCA (Vector)
KVG
KVG
VVHA (ecto)
VVHA (ecto)
CCTG-1
CCTG-1
SNA
SNA
BP
BP
human VIP
human VIP
VIEL
VIEL
CnSecL
CnSecL
mouse Gal7
mouse Gal7
AoL (Marine Lab)
AoL (Marine Lab)
AAL
AAL

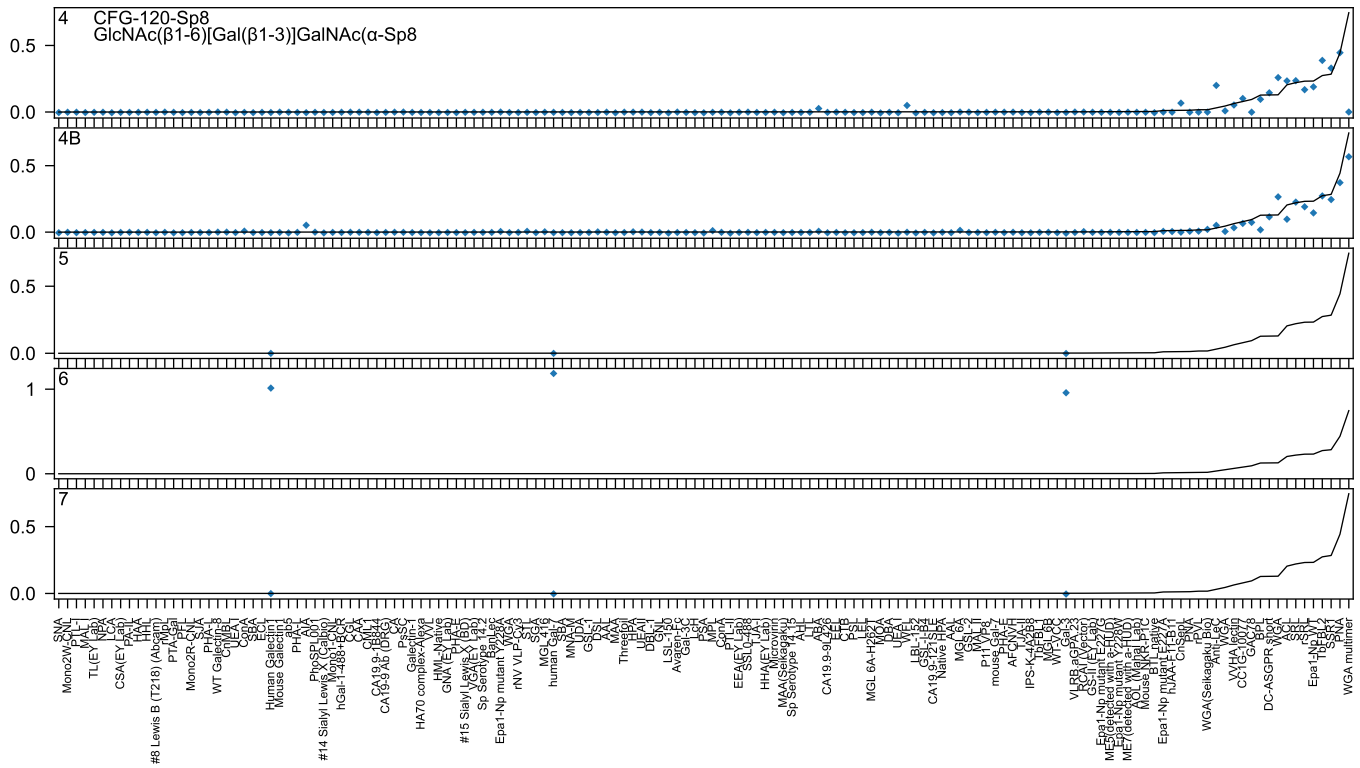

4
CFG-115-Sp0
Gal(β1-3)[Fuc(α1-4)]GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
BPL
Microvin
PSA
CA19.9-CA2288
CA19.9-CA2288
Gal-3
WGA mutimer
WGA(EY Lab)
EEA(EY Lab)
Dolichin
Native SSA
WGA(Seikagaku Blp)
WFT
TSA
SBA
PHA
PWA
CC1G-10077
PT-1
GNA (EY Lab)
PHAL
Epa1-Np mutant E227G
Epa1-Np mutant Q229G
WT Galectin-3
Avarex-EC
Avarex-EC
SJA2
Sp Serotype 14
GAC78
Hemagglutinin
HHA
BTL(EY Lab)
#14 Sialyl Lewis X
XMG1.418
hMG1 Native
rNVSL-488
SSL-1-488
WT-1-152
SOA
SBA
hGal-1-488+BCB
MGL 6A-H-BCB
CAA
LTA
DBA
GNL
PCA
PNA
HPA
AIA
ACL
Thrombin
WGA
Mouse Galectin1
UEA1
MonoEY Lab
hJAA-F11-B11
hJAA-F11-B11
NPA
MALA
VIA
Mouse NKp46
MGP-1B
STT
Epa1-Np WT
Epa1-Np WT
PPA-C
VLRB aggregin
Epa1-Np mutant E227A
SSL-1
MGL 6A
RCAI (Vector Lab)
Epa1-Np mutant T228W
Epa1-Np mutant T228W
human Galectin-7
Epa1-Np mutant Y228A
CA19.9-1B284
rSBL
MCA
#8 Lewis B (T218) (Abcam)
Galectin-1
MAA-N
Mono1-CNL
CA19-9 Ab (D-BC)
PSA
MAA(Seikagaku)
GSL-I-B4
DEA1
PA-1
PF-H
DSL
MAA
AAA
Sp Serotype 14-15
#15 Sialyl Lewis X
CA19-9 2-1B78
SL-150
VVH
AFCRKNH
AFCRKNH
P11
VGA(EY Lab)
mouse Galectin-7
Mono2WCNL
WGA
DC-ASGPR-Gal
PRA-Gal
PACE
MALCH
TL(EY Lab)
MEZ(detected with a-HUD)
ME5(detected with a-HUD)
Human Galectin1
CMB
Ami-Lac
AOL (Marine Blp)
AAL

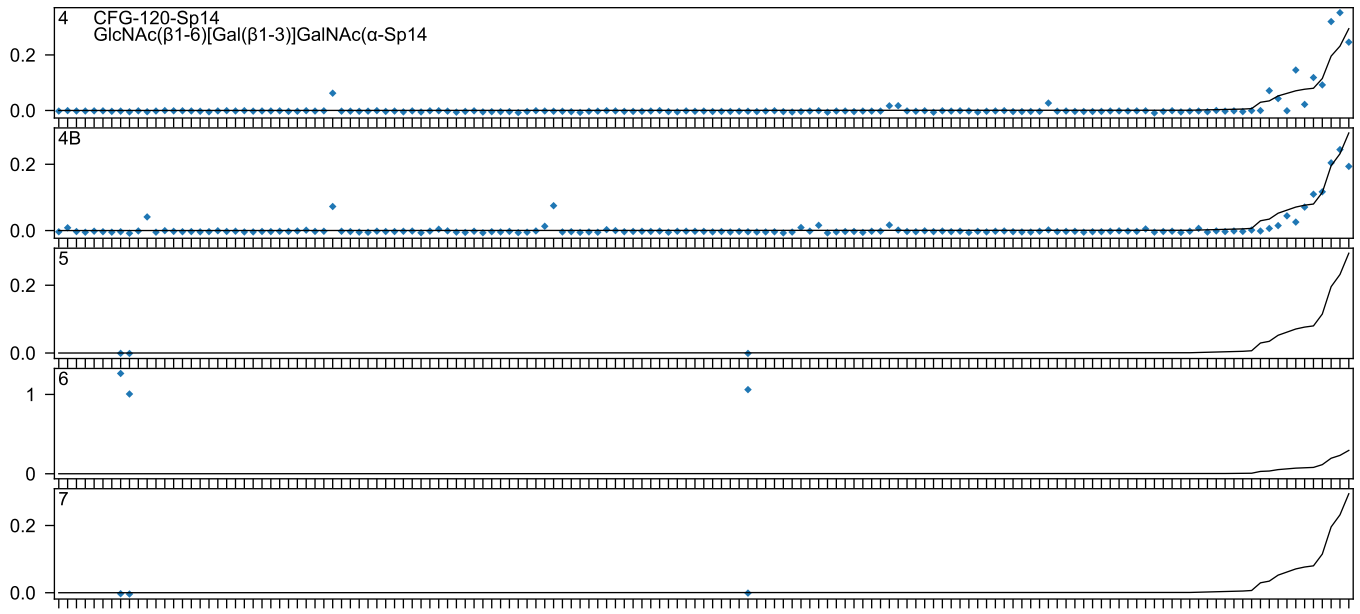

4
CFG-115-Sp8
Gal(β1-3)[Fuc(α1-4)]GlcNAc(-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
UEA1
UEA1
TL(EY Lab)
JAC
LSL-1
SJA
SSA
PNA
RCAI (Vector)
LEL
PTL-I
PTL-II
#8 Lewis B (T218) (Abcam)
PHA-E
WFE
WGA(Seikagaku Biol)
WT-CC
WT-CC
human Gal-7
EEA(EY Lab)
HHA(EY Lab)
PHA-L
PHA-P
SJA
MAL
HA70 complex Alexa
DBL-1
MNA-M
MOA
MOA
SSB1
SJA
SJA
MAA(GALEY Lab)
#15 SialyI Lewis x (BD)
MAA
Mono2R-CV-15
Sp Serotype 14-15
AIA
AIA
rSSL
rSSL
Galectin-1
Galectin-3
GNA
WGA
Cnsen-8
WT Galectin-8
Mouse Galectin1
Human Galectin1
Galectin-10
Phos-1
CanA
Epa1-Np mutant Y228W
Avarem
BEL
BEL
MAL
NPA
hGal-1-488+EDTA
LCA
LCA
GSL-I-B4
TD-B2
HPA
HPA
HPA
DSA
DSA
EEL
EEL
GSL-1
GSL-2
BTL mutant
PNA
CA19.9-9L426
MGL
6A-H2B1
Mono2R-CV-15
PHA-E
Epa1-Np mutant E227G
Ban lec
#14 SialyI Lewis X (Calbio)
Ban lec
CA19.9-1116-B-2
Native-PNA
Sp Serotype 19
BTL-II
Epa1-Np mutant Y228A
HML-Y228A
Threonol
Epa1-Np WT
GS-II (EY Lab)
CA19.9-12/SLE
Gal-3C
Gal-3C
NVVH(Lectin)
rNVVH
PNA
Epa1-Np mutant E227G
Mouse NKR-P1C
CC/CC (DV7)
PHA-L
PHA-L
VLRB anti-CA19.9 (Rec)
Gal-3
Microvirin
SSL0488
MGL
C1B
PNA
Mono2R-CV-15
GNA
PEY Type B
ME5(detected with a-HUD)
CSA(EY Lab)
MGL (BB
MGL (UA)
MGL (UA)
TAA
UEA1
SNA
WGA multimer
CWH1
IPSC-4-488
DC-ASGPR-488
Ani Lec
AOL (Marine Biol)
AAL

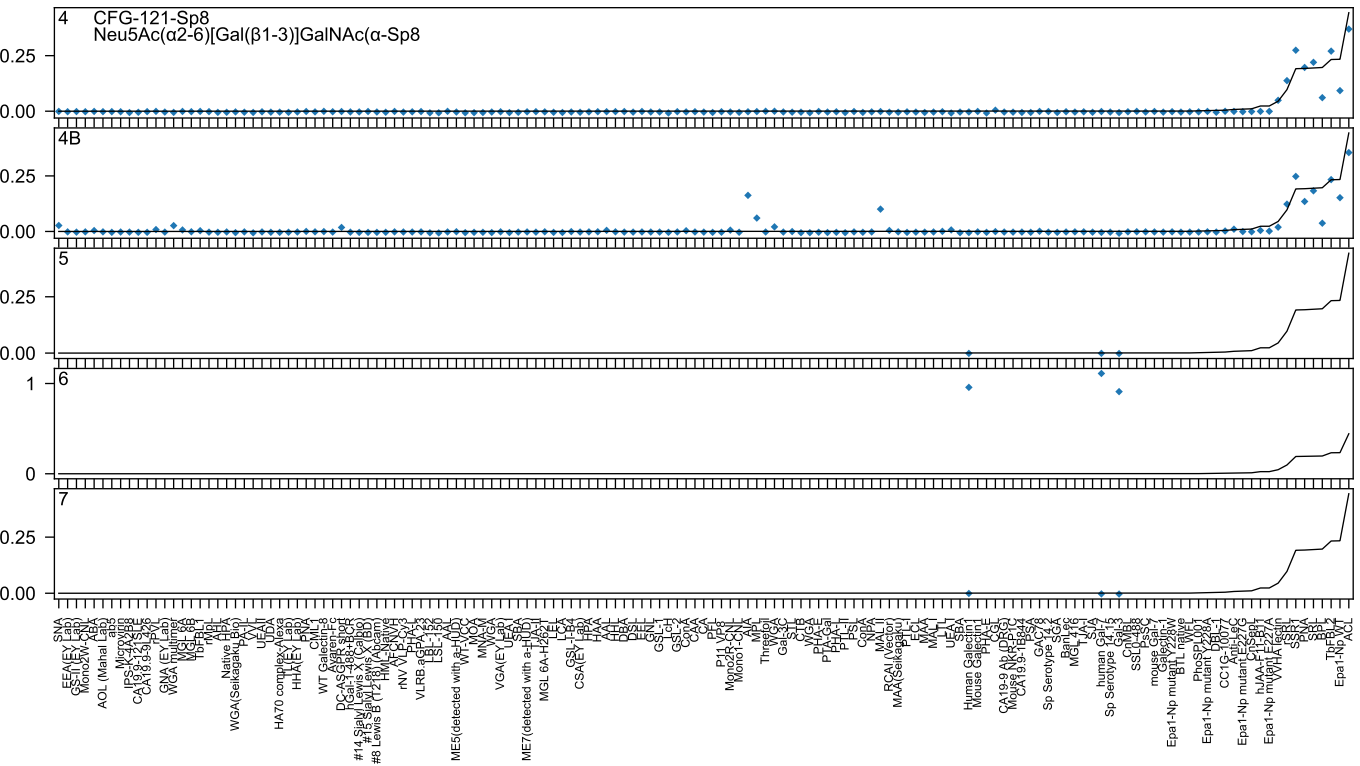

4
CFG-116-Sp8
Fuc(α1-4)[Gal(β1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
h/AA-F11-B1-7
human Gal-1
Gal-3
Bap-lyc
HA70 complex-Alexa
Galectin-1
CCTG-Biotin
PNA
WGA(Seikagaku-Bio)
PA-IL
Avarex
VVC
TL(EY Lab)
STL
BSA
PNA
CA19.9-9.9
CA19.9-1.2
IPS-K-4A2B8
APCNV/H
#15 Sialyl Lewis X (Lab)
SSA
LBL-182
hGal-1488+6C8
TbFBL2
MNA-M
WGA
RCA(Vector)
VGA(EY Lab)
PHA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
Mono2W-CN
ABA
SNA
PTL
UDA
#8 Lewis B (T218) (Abcam)
PhoSPG(01)
DBA
DSL
PTL
GNL
GSL-2
ConA
WGA
VGA
UEA
Mono2R-CN
Mono1-CN
AAL
AOL
WT Galectin-1
Mouse Galectin-1
Gal-3C
CSA(EY Lab)
ConBL
PHA
PHA-E
MAL I
MAA(Seikagaku)
PHA-P
MAL II
MAA
Epa1-Np WT
Human Galectin-1
GSL-I-B4
ConA
VVHA lectin
LCA
HML-N-Biotin
Mouse N-Biotin
VEEA-Biotin
EEA(E. SSR)
mouse-Gal-7
Epa1-Np mutant 227A
CA19.9 AB (TBG)
LSL-155
NPA
#14 Sialyl Lewis X (Calbiochem)
Native HPA
CA19.9-18B4
Sp Serotype 3-3-3
Sp Serotype 1-1A-1
Epa1-Np mutant 227G
Epa1-Np mutant 227A
PTGR
MGL-6A-Y-228W
Epa1-Np mutant Y228W
DEAI
PTA
MGL-419
nNV VLP-OX3
Epa1-Np mutant Y228A
ECC
BT-Tn-Galbe
PT-Type8
MGL-6A
HAA
ME7(detected with a-HUD)
DBL(D)
ME5(detected with a-HUD)
WGA mutant
UEA-I
SNL-I
DC-ASGPR-Lectin
Ani-Lec
AOL (Marine-Bio)
AAL

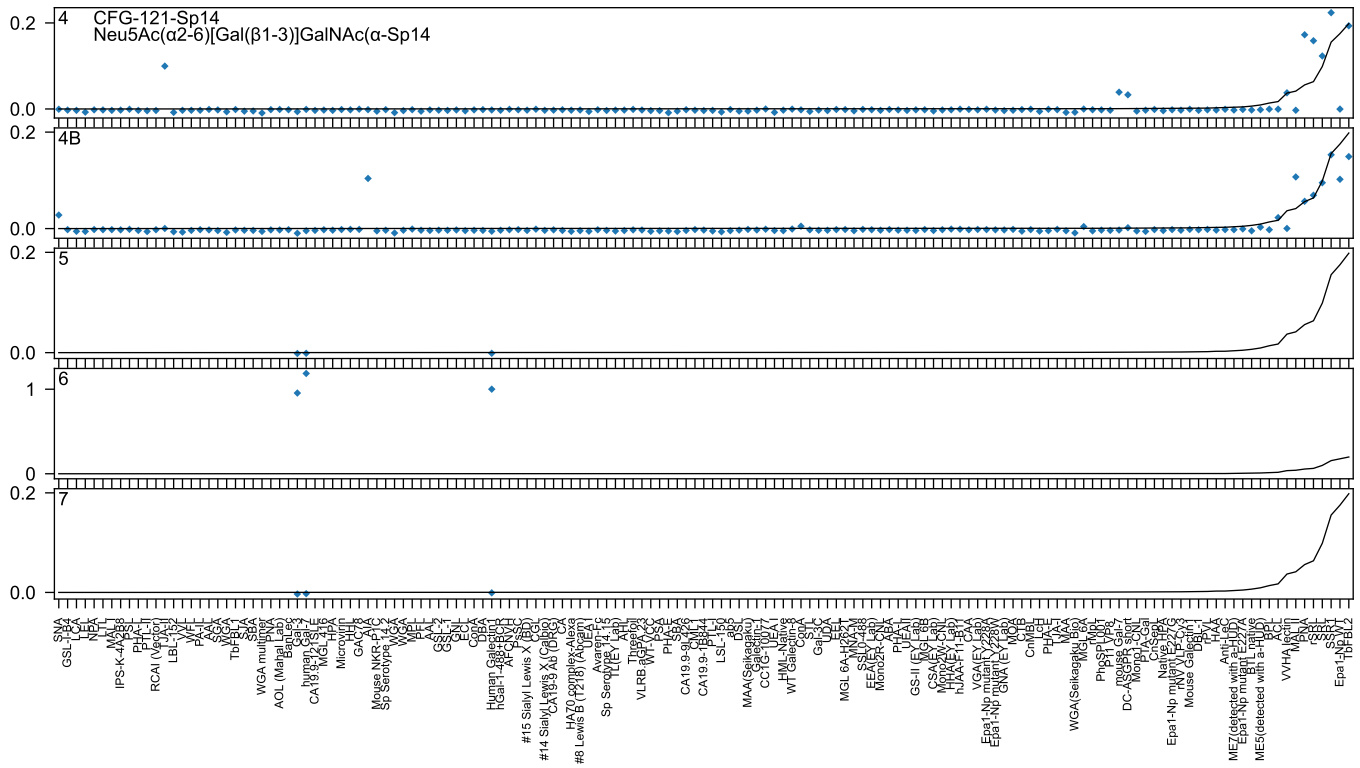

4
CFG-119-Sp8
Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SVA
UEAI
ME7(detected with a-HUD)
TL(EY Lab)
LAA
PSA
AOL
PTL-I
PHA-L
PSL
IPS-K-4A2B8
MAA(Seikagaku)
HML-Native
WGA
CA19.9 v.2(1-SLE
CA19.9 (B-B2)
CA19.9 (B-B4)
ABA
EEA(EY Lab)
GNA(EY Lab)
ME5(detected with a-HUD)
HA70 complex-Alexa
DBA
SBA
UEA I
TK(EY Lab)
VGA(EY Lab)
MNA-M
PNA
MAL I
NPA
CrmA
PhoSP(-)001
CML-1
WT Galectin-1
ABL
AIA
COA
PsaC
ACA
P11
VR8
ConA
ConA
hGal-1-488
SBA-cap
GNL
#8 Lewis B (T218)
GAL-cap
HPL
HPA
Microvirin
HAA
Ann-Lec
Ban-Lec
LCH
PIT-2
Sp Serotype 14-2
#15 Sialyl Lewis X (BD)
BP
CA19-9 Ab (DRG)
rNV VP1-Cys
rNV VP1-Cys
DSL
Epa1-Np mutant E262A
Epa1-Np mutant E262A
JAC-I
#14 Sialyl Lewis X (BD)
VVA-B4-Lab
VVA-B4-Lab
CA
GS-II (EY Lab)
hJAA-F11-B11
GSL-2
SSLO-Alexa
SBL
AOL (Malvaa Lab)
Mono2W-ALL
CSL-100
Mouse Galectin1
LBL-152
human Gal-7
Sp Serotype 14-3
Mono2R-LCA
Epa1-Np mutant Y228A
WT CrmA
ACL
Epa1-Np mutant E262A
Epa1-Np mutant D264A
UEAI
MonoCrmA
Galectin-1
Human Galectin-1
mouse Gal-7
PNL
VGA
MGL 416
Mouse NKR-P1C
VVA Lectin
Epa1-Np wt
MGL 6B
MGL 6A-H3B1
CCTG-10077
MGL-8A
WGA
RCA I (Vector)
WGA(Vector)
DC-ASGPR short

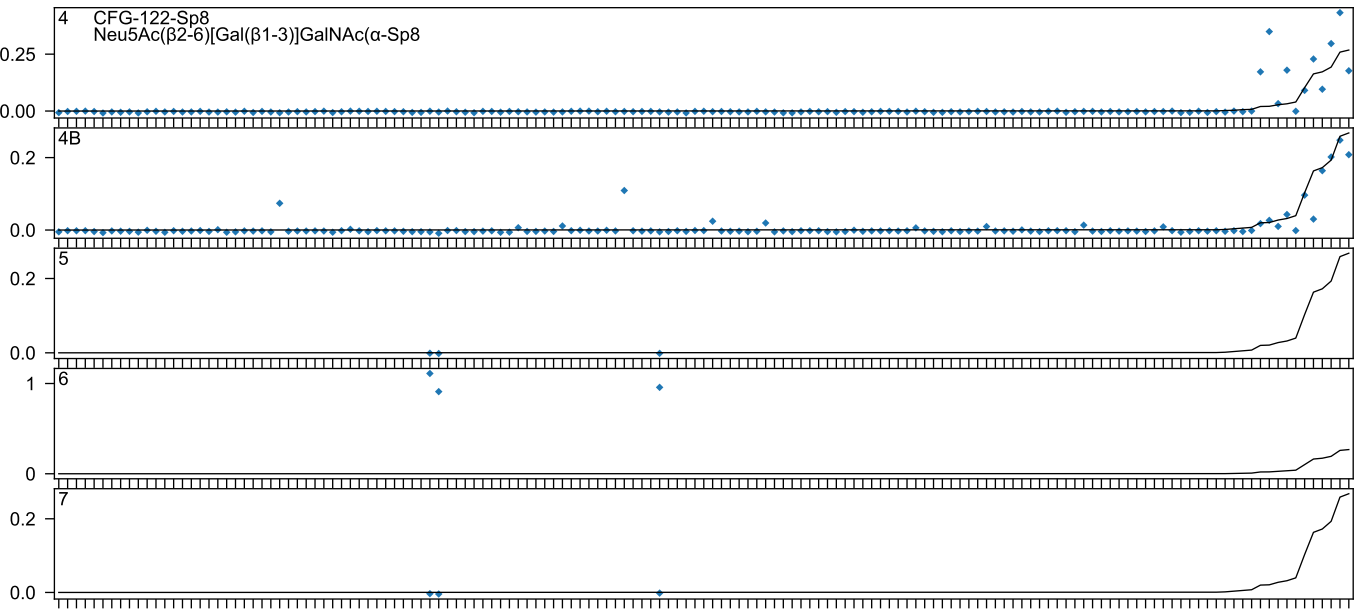

4
CFG-119-Sp14
Gal(β1-4)GlcNAc(β1-6)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
MAL I
MAL II
MAH
PhoSPLD
PNA
RCA
SBA
UEA I
LCA
VVA
ACL
hGal-1-488+ACL
#15 Sialyl Lewis X (BD)
#8 Lewis Y (12/18) (Abcam)
HA/70 cor Native
HMC-Native
IPS-KK-Native
abo
CA19-9 Ab (DRG)
GNL
GSL-I
Mono1-CKA
Mono2R-CKA
Mono3R-CKA
Human Galectin1
CnMBL
Thrombin
BBI
CML1
Sp Serotype 14-15
CSA(EY Lab)
Sp Serotype 14-2
MAP-3
Gal-3
CGL
GSL-2
STL
VGA(EY Lab)
DSL
Mono2W-CKA
WT Galectin-8
Tn-1
Tn-2
ATX-2004
Epa1-Np mutant E227A
CAA
GSL-I (EY Lab)
Mouse NKR-LBP
AAL
AAL
UEA I
Epa1-Np mutant E227A
Epa1-Np mutant E227A
PA-IL
#14 Sialyl Lewis X (Gal-lab)
CA19-9 Sialyl 428
TVA
WGA
PDL
GSL-I B4
PHA-E
PHA-L
Microvilin
TL(EY Lab)
PHA-E
PHA-L
UEA I
CA19-9-IB44
Galectin-1
GNA (EY Lab)
Epa1-Np (TUD)
CA19-9-121SLE
MOA
PSL
PTB
CTB
rNV VLP-Cy3
MAA(Seikagaku)
PNA
PCA
LTL
AOL (Mahal Mab)
Avg-rHC
HHA
hJAA-F1-B11
PNA
GAC78
RCAI (Vector)
WGA
Con A
SSL-I
Con A
ABA
Gal-3
PNA
SSA
VLRB.aGP75
human Gal-7
LBL
PVX
WT-Leg
SL-Leg
Mouse Galectin1
Native TVA
Epa1-Np TUD
MMA-M
MET(detected with a-HUD)
WGA(Seikagaku)
SRL
Any LeC
EEL
PET (YBS)
CnSerp
ISHL
BTL mix
ME5(detected with a-HUD)
MGL 416
WGA mutmer
TPBBL1
CCL1
HA 1001
MGL 6A1-2621
MGL 6A
MGL 6A
DC-ASGPR short

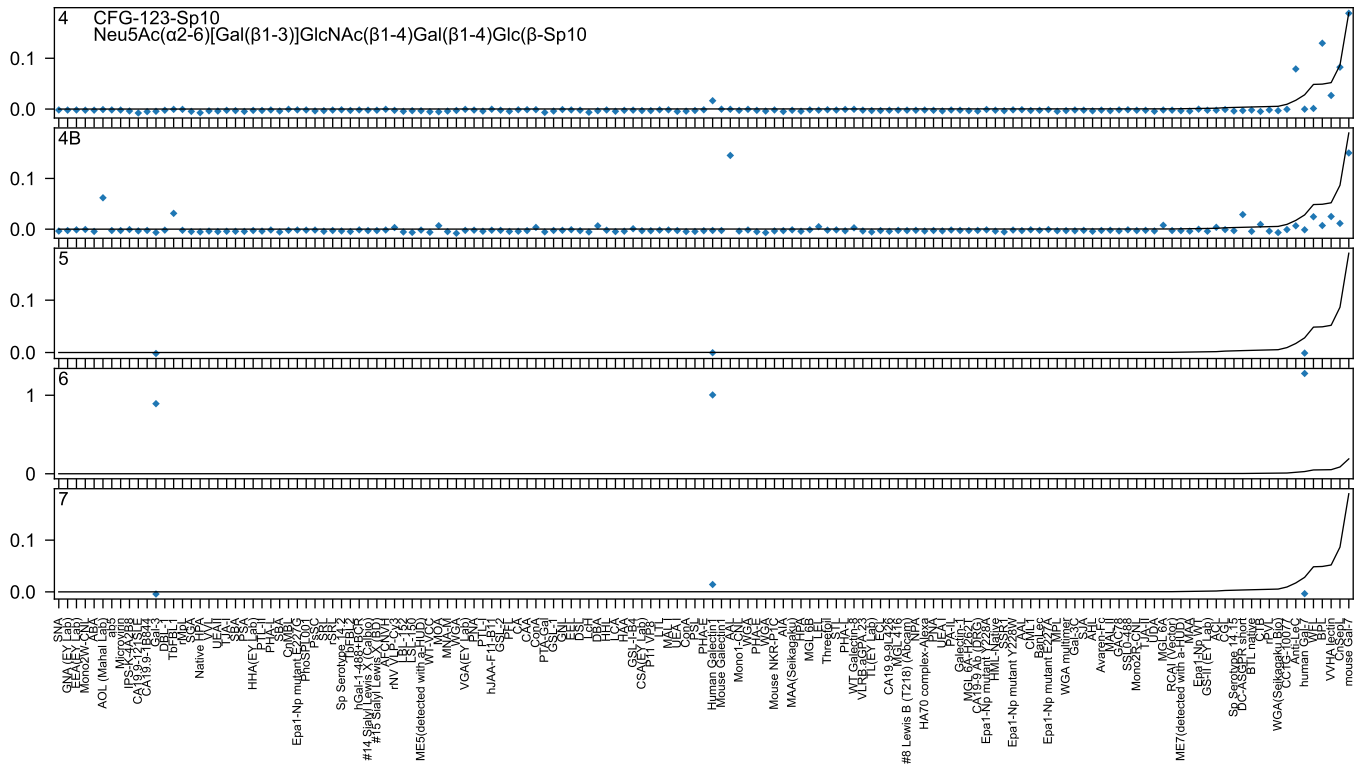

4
CFG-120-Sp8
GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
Mono2W-CNL
PNL
PHA-L
TL(EY Lab)
NPA
CSA(EY Lab)
PA-IL
HHL
PTA-Gal
Mono2R-CNL
PHA-E
WT Galectin-8
UEA-I
ConA
EPA
Human Galectin1
Mouse Galectin1
abo
PHA-L
Pto-SP-L001
Man(Cyclopq)
hGal-1488-BCR
CAA
CA19.9 (Dako)
CA19.9 Ab (DRG)
P-selectin
Galectin-1
HA70 complex-Ab02
HWE-Native
GNA(EY Lab)
PHA-E
#15 Sialyl Lewis X (BD)
Sp Serotype 1-2
Epa1-Np mutant E2279G
WGA
rNV VLP
SAT
Sp Serotype 4-19
MGL-6A-Hp27
human Galectin7
MNA-M
UDA
GSL-I
DSL
MAL
Threoglo
UEA-I
DBA
LSL-Glu
Avegen-Fc
Gal-3-CH
WSA
con A
EEA(EY Lab)
SSL2-488
HHA(EY Lab)
Microvirin
MAA(Sigma)
Sp Serotype 4-19
ALL
ABA
CA19.9-9-EEP
EEP
CTB
LEL
MGL 6A-Hp27
DBA
UEA
LTA
CBL-152
CBL-154
CA19.9-121SEE
Native APA
APA
MGL-6A
GSL-I
P11-Vp8
mouse Fc-F
AFCNV-F
IPS-K-4A288
MGL-6B
WT-YCC
VLRB.aGP23
RCA (Vector)
CSA (Vector)
Epa1-Np mutant E2279G
MET(detected with a-FUD)
MET(detected with a-FUD)
MET(detected with a-FUD)
MOL-Native
Mouse
BTL-Native
Epa1-Np
nAAA-Fr-B17
ChSap
PVL
WGA(Seikagaku Bio)
WGA
VVHA (Vector)
CCL20
GAC78
DC-ASGPR
sTpt
WGA
SBL
SNA
Epa1-Np
ToBEL2
SNA
PNA
WGA multimer

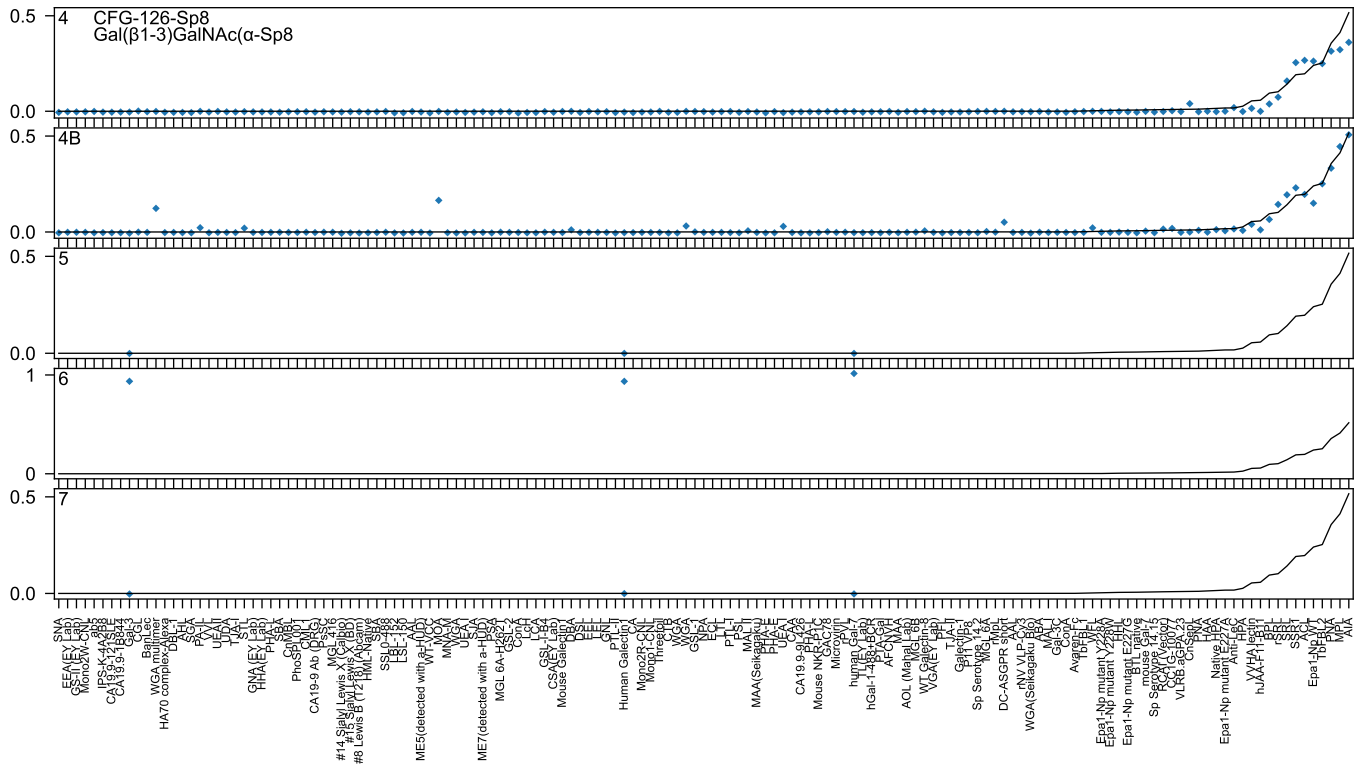

4
CFG-120-Sp14
GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.2
0
1
SNA
SSA
AOL (Mahal Lab)
vaio
Microvin
PSA-1-A2B8
CA19-9 A2B8
human Gal-7
Gal-3
Gal-1
WGA multimer
HA70 complex
TGFB1
TbFBL1
ABL
SPA
Native SPA
PAA
PAA-I
UEA-II
VEA-II
TL(EY Lab)
UJA
UJA-I
GSL-I(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
HHA(Eric Lab)
CA19-9 Ab (DRG)
DC-ASGPR-sn-rr
#14 Sialyl Lewis X (Calbio)
hGal-1 MGL-418
#8 Lewis B (T218) (Abkom)
vNX VLEC-v3
vLRB aGP-s23
SSL0-188
LSL-A
ME5(detected with a-HUD)
MMA
MMA-M
VGA
VGA(EY Lab)
UEA
SBA
PHA-E
LBL-A
SBA
hJAA-F11-B11
CTB
AIA
P11
PE
LEL
LCA
GNA
CSA(EY Lab)
HPA
HAA
DBA
PNA
BSA
DSL
FBA
Mouse NKR-P1C
GSL-I
PHA-L
Human Galectin-1
PHA-L
PHA-E
PHA-E
UEA
MVL
WGA
VGA
CTB
Gal-1
Gal-3
PNA/Gal
GSL-I
MGL-54
mouse Gal-1
CA19.9-18844
MGL(BAT-1)-18844
PEA-E
PSC
RCAI (Vector)
MAA(Seikagaku)
CA19.9-8428
Sp Serotype 14-15
Epa1-Np mutant 12-15
#15 Sialyl Lewis X (BD)
Sp Serotype 14-15
WT-Galectin-1
Sp Serotype 14-15
Epa1-Np mutant 12-15
WT-CCC
Mono1-CCC
UDA
PHA
ME7(detected with a-HUD)
Mono2-CCC
Epa1-Np mutant E-25-G
MAA
Mono2R-CCC
Mouse Galectin-1
WGA(Seikagaku Bio)
NWA
ConA
BTL native
Galectin-2
Epa1-Np mutant D-51-A
ABL
AGL
CC1G-10077
VVHA (recm)
Anti-Lec
Epa1-Np
Epa1-Np
SSL
SSL
Tbp
PNA
SSR1

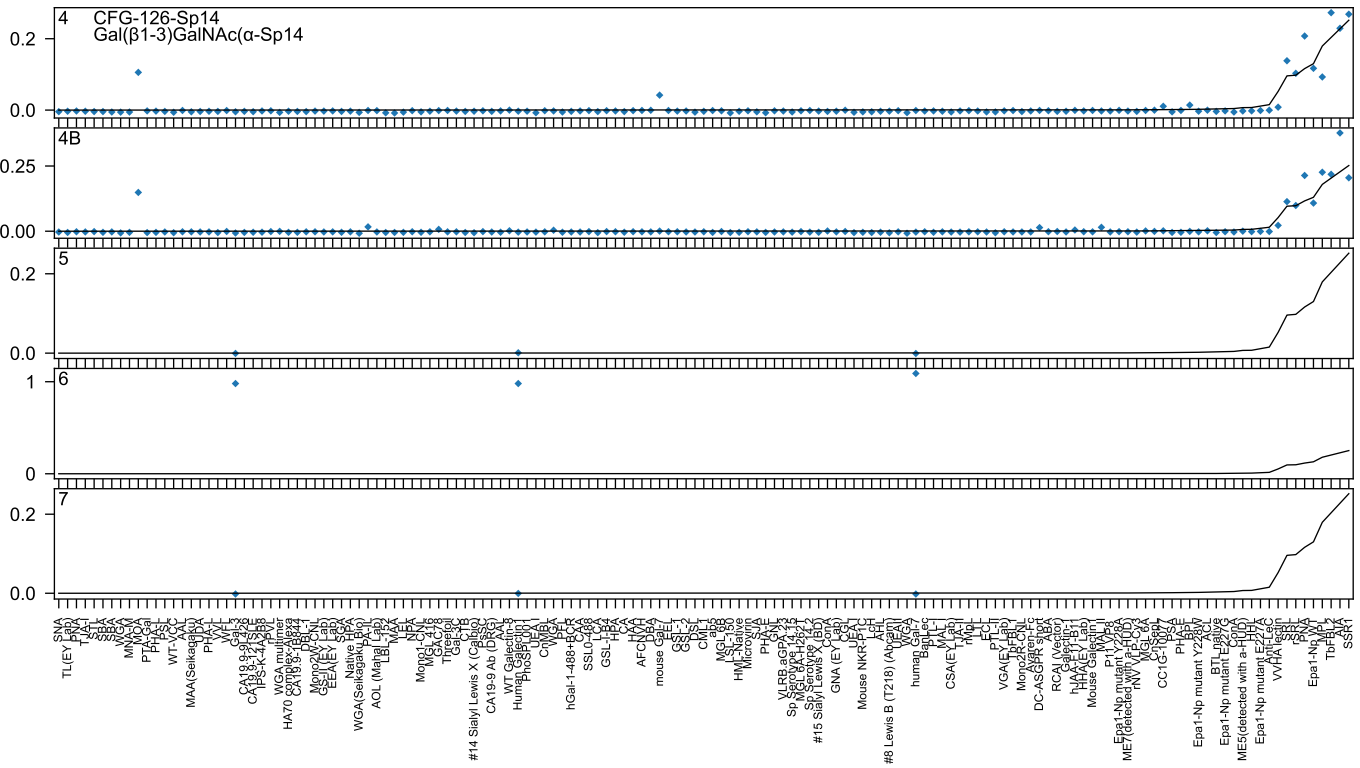

4
CFG-121-Sp8
Neu5Ac(α2-6)[Gal(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.25
0.00
1
0
SNA
EEA(EY Lab)
GSL-I(EY Lab)
Mono2W-ABA
AOL (Mahal Lab)
Microvigin
IPO-2-42-ABSB
CA19.9-42-ABSB
CA19.9-42-ABSB
GNA (EY Lab)
WGA mutmer
MGL 88
TBFRL1
ABL
Native BPA
WGA(Seikagaku)
PAJ
UEAII
UDA
HA70 complex
HHA(EY Lab)
PHA(EY Lab)
PAP
CMLI
WT Galectin-1
Agrin
DC-ASGPR stop
#14 Slay/ Lewis X (Calbiochem)
#15 Slay/ Lewis X (IBD)
#8 Lewis B (72-8 Lewis X (IBD)
HMC Native
nV-PLCγ3
PHA-L
VLRB aBC-162
LSL-150
ME5(detected with a-HUD)
WT-MOX
MMOX
VGA(EY Lab)
UEA
ME7(detected with a-HUD)
MGL 6A-HAS1
LEL
GSL-I-B4
CSA(EY Lab)
HAA
AAL
DBA
PNA
PSL
GNL
GSL-I
GSL-II
CGA
PCA
PEA
PJ1
VFB
Mono31-CNL
Mono1-AIA
AIA
Threelpin
WGA
Galectin-1
STL
VCTB
VCA
PHA-E
PHA-L
PHA-P
PHL
CGA
MAL
MAL II
RCA I (Vector)
MAA(Seikagaku)
PALU
ECL
MAL
UEA-I
SBA
Human Galectin1
Mouse Galectin1
PHA-E
PHA-L
CA19.9-1-BSA
Mouse NKR-P1C
CA19.9-1-BSA
GAC78
Sp Serotype 7
SGA
Man-196
Man-198
LAA
human Gal-2
Sp Serotype 7
Gal-13
Gal-13
ssCMB
ssCMB
LD-188
mouse Gal-7
Epa1-Np mutant Gal-7
Epa1-Np mutant Gal-7
Epa1-Np mutant E227A
Epa1-Np mutant E227A
PhoSP-1001
Epa1-Np mutant D228A
CC1G-10077
Epa1-Np mutant E227G
hJAA-F11-881
Epa1-Np mutant E227A
VVHA recom
SSA1
SSA
SNA
BPL
Epa1-Np WT
ACL

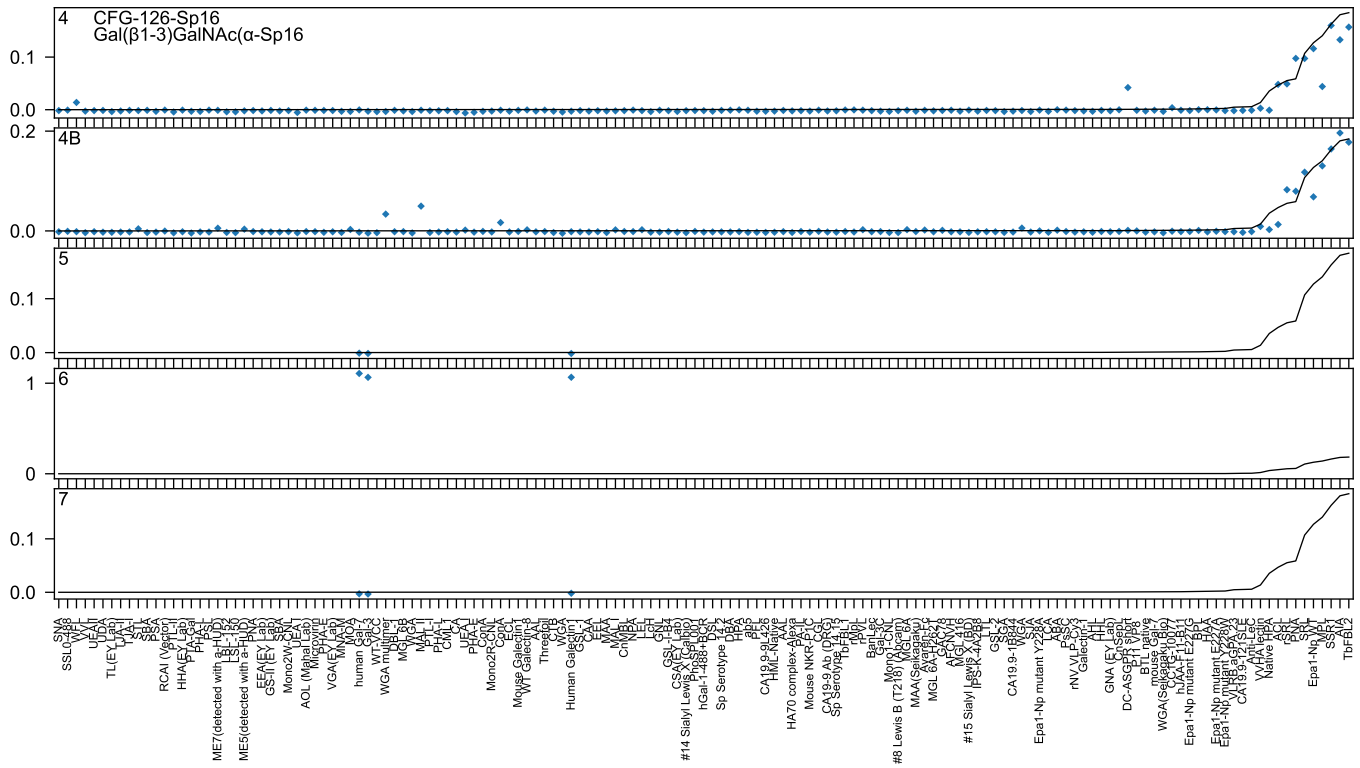

4
CFG-121-Sp14
Neu5Ac(α2-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
1
0
SNA
SNA
LCA
NPA
MALI
IPS-K-4/288
PHAL
PHA-L
RCAI (Vector)
LBL-162
WFE
PAA
PAA
SGA
TxB-BP
SSA
SSA
WGA multivalent
PNA
AOL (Marbal Lab)
BanLec
human Gal-3
CA19.9-12/SLE
MGL-1/PA
Microvirin
GAC/78
Mouse NKR-P1A
Sp Serotype 14.2
WGA
WGA
MEL
AAL
AAL
GSL-2
GNL
ECA
CGB
DBA
Human Galectin-1
HGal1-1-488
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
CA19.9 Ab (DRG)
HA70 complex-AlexA
#8 Lewis B (12/18) (Abcam)
Avarol-Fc
Sp Serotype 14.15
TEL-1 Lab
ABL
VLRB Tumeric
WT-VCC
WT-VCC
PHA-E
SBA
CA19.9-9/SLE
CMH-1
CA19.9-1B/SLE
LSL-150
DSS
MAA(Seikagaku)
CCTG-10077
HEA-1
HML-Galectin-8
WT Galectin-8
GSA
Gal-3C
DEA
MGL 6A-HK221
SSL7-488
EEA-488
Monoclonal Lab
ABA
PTEA
PTEA
GS-II (EY Lab)
CSA(EY Lab)
Monoclonal Lab
hAA-F1-B11
VGA(EY Lab)
Epa1-Np mutant-Y288A
Epa1-Np mutant-Y288A
GNA (EY Lab)
MOG
CnMBL
PhAGE
LTA-1
WGA(Seikagaku)
MGL-6A
PhaSP 1001
PHT Gal-2
mouse Gal-2
DC-ASGPR sport
Monoclonal Lab
CnSepl
Nat Lectin
Epa1-Np mutant-E227G
NV (LP-Cx)
Mouse Galectin-1
BBL-1
FAA
FAA
Anti-LBC
MEZ(detected with a+b)
Epa1-Np mutant-E227A
BTL native
ME5(detected with a+b)
BPL
ACL
VVHA
MAL II
ACL
rGNA
rGNA
SSA
SSA
Epa1-Np WT
TbFBL2

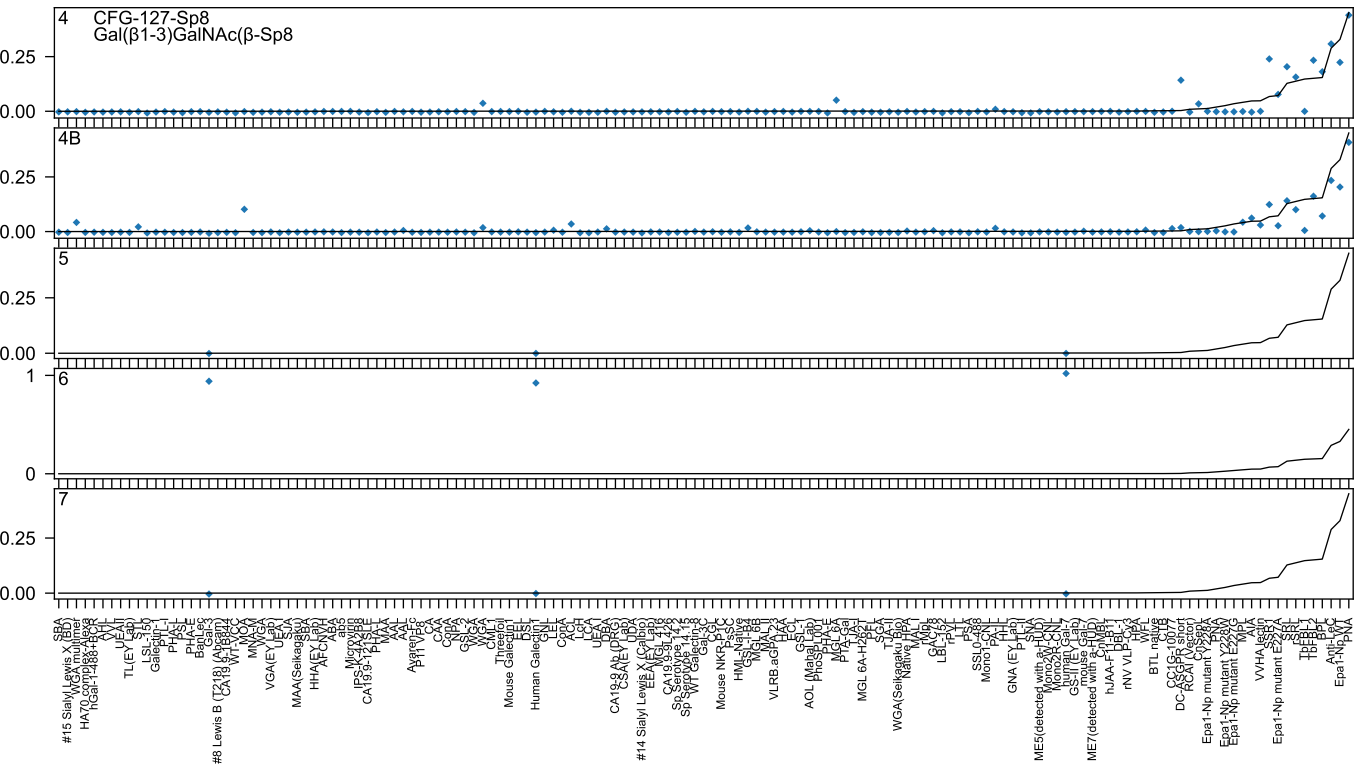

4
CFG-122-Sp8
Neu5Ac(β2-6)[Gal(β1-3)]GalNAc(α-Sp8
0.25
0.00
4B
0.2
0.0
5
0.2
0.0
6
1
0
7
0.2
0.0
SMA
MGL 6A
CNB
AAL
Tn-PAD
LSL-1B5
ACA
SGA
Native HPA
LBA
PNA
PAA-E
WGA
VVL
ME7(detected with a-HuD)
TL-EY Lab
SSL-4B8
SSL-2
STL
BSA
SBA
VLRB.aGPA.23
MGL 6A
MGL
HA70 complex-Alexa
WGA mutant
STA
UHA-EY Lab
GNA-EY Lab
EEA-EY Lab
GS-II (EY Lab)
LEA
Mono2W-CNL
AOL (Mahal Lab)
AFCA
Microvirin
CA19.9-EY Lab
WGA
human Gal-4
Gal-3
Bauhinia
WT-WGA
IPS-K4A288
PTL-I
PTA-Gal
PFL
Sp Serotype 14-15
Mono2-CNL
Mono1-CNL
P-ASA
WT Galectin-8
Tomato
Galectin
PhoSpD-MD-1
WGA
Epa1-Np mutant Y228W
Mouse Galectin1
Human Galectin1
EIC
CGA
CNA
CAA
GSL-2
PRL-1
PSL
PhA
MAL II
MAA
NPA
PHA-L
LEL
#15 Sialyl Lewis X (BD)
CSA(EY Lab)
hGal-1-488+
BCA
HHL
DSA
DC-ASGPR spot
CPH
MGL 6A-HuCA
SBA
Sp Serotype 14-15
CA19.9 Ab (PDG)
CA19.9-1B78
CA19.9-1B84
Mouse NKR-P1C
HXL Native
HXL Mutant
EEL
MAA(Sekigaku)
#14 Sialyl Lewis X (Calbiochem)
GAL3
mouse Gal-3
CA19.9-2B1-E
UEA1
Galectin-1
MGL 416
P11
VAA
HPA
ME5(detected with a-HuD)
Epa1-Np mutant E232Q
Epa1-Np mutant Y228A
WGA(Seikagaku)
Epa1-Np mutant Y228A
RCA120
Epa1-Np mutant E232Q
BTL native
Chitin
CC1G-10077
Anti-ACE
ACE
LYTHA lectin
EAA
hAAA-FH-B11
BBL
SRL
Tomato
PNA
SSR1

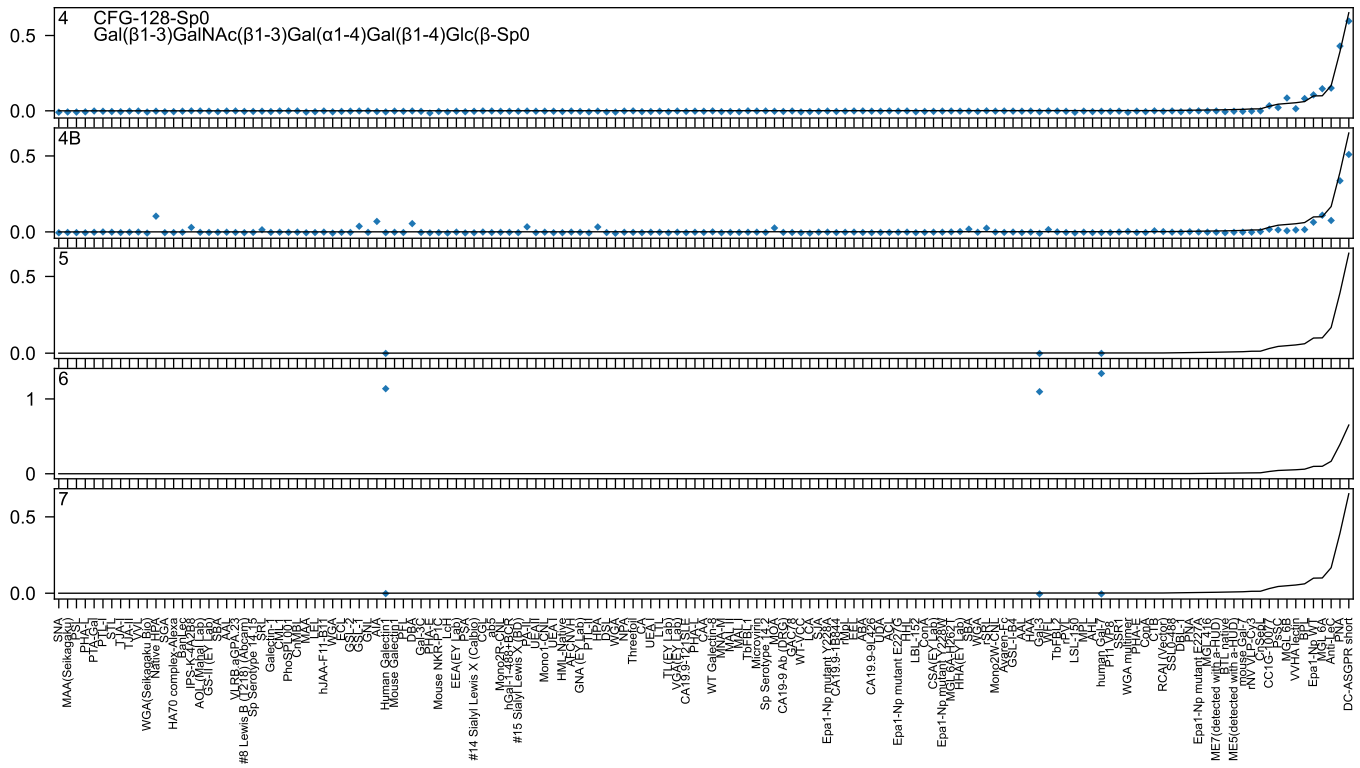

4
CFG-123-Sp10
Neu5Ac(α2-6)[Gal(β1-3)]GlcNAc(β1-4)Gal(β1-4)Glc(β-Sp10
4B
5
6
7
0.1
0.0
1
0
SNA
GNA (EY Lab)
EEA (EY Lab)
Mono2W-ABA
AOL (Mahal Lab)
Microvigin
Ipo-Sp-1-4-Glc
CA19.9-1-BSA
CA19.9-1-BSA44
DBA
Dolichin-3
TxB
FBL1
SGA
Native HPA
UEAII
VFA
SBA
PSA
HHA(EY Lab)
LPII
PHA-L
PHA-E
CoWB
Epa1-Np mutant Y228A
PhoSP100G
PsaC
SSL
rsbS
Sp Serotype 14
Sp Serotype 12
hGal-1-488+EDC5
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
rNV AF CONTH
rNV VP1-163
TSL-1-55
TSL-1-55
ME5(detected with a-HUD)
WFA
WGA
MNA
WGA
VGA(EY Lab)
PAA
hJAA-F
hJAA-F
GSL-1
PEL
CAA
CoPA
PTA
GSL-I
GNL
DSL
DBA
HPA
HAA
GSL-I-B4
GSL-I-A4
CSA
p11 VP8
MAL I
UEA
PSL
PHA-L
PHA-E
Human Galectin-8
Mouse Galectin1
Mono1-CN
WGA
PWGA
WGA
Mouse NKR-P1C
AIA
MAA(Seikagaku)
MGL
LEL
LEL
Threspin
PHA-L
WT Galectin-8
VTRA-aspA-23
HL(EY Lab)
CA19.9-aL428
CA19.9-aL428
#8 Lewis B (T218) WK-4-4B
HA70 complex-A
NPA
KPA
UEA
LEA
Galectin-1
MGL 5A (TDRG)
CA19.9-aL428
Epa1-Np mutant Y228A
HML-SSIR
Epa1-Np mutant Y228W
CML1
Epa1-Np
Epa1-Np mutant Y228A
MPL
WGA mutant
Galectin-7
GSL-I
SJA
AvaregnFc
MAL-II
SSD-488
Mono2S-CN
AIA
UDA
RCA (Vector)
ME7(detected with a-HUD)
Epa1-Np WT
GSII (EY Lab)
CGL
CGL
Sp Serotype 4 ST-01
DC-ASGPR ST-01
BTL native
PVL
WGA(Seikagaku)
CCA
AmLeLeC
human Galectin-7
VAE
BPL
VVHA Sigma
Chitinase
mouse Gal-7

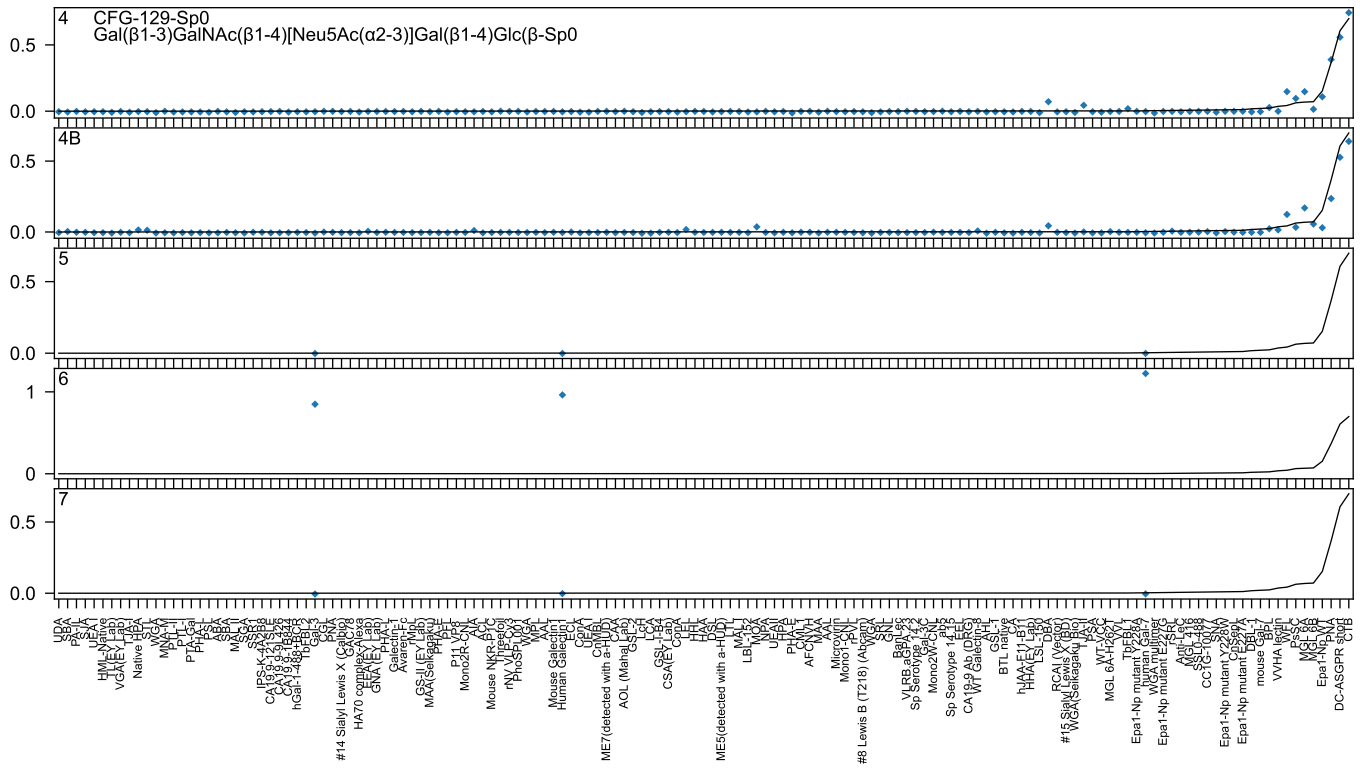

4
CFG-126-Sp8
Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
EEA(EY Lab)
GSL-I(EY Lab)
Mono2W-CNL
ABA
PSG-K-4A258
CA19.9-18844
Galectin-3
CA19.9-18844
Galectin-3
Bauhinia
WGA multimer
HA70 complex
DBL-1
AAL
SGA
PAA
AAI
UEAII
TJA-I
TJA-II
STL
GNA(EY Lab)
HHA(EY Lab)
PHA-L
PHA-E
ConBr
PhoSL
PNA
CA19-9 Ab (PRG)
CA19-9 Ab (PRG)
MGL 2-16
#14 Sialyl Lewis X (CSLRB)
#15 Sialyl Lewis A (CSLRB)
#8 Lewis B (Y12-18 Ab-cam)
HML-Native
SSLD-488
LSL-155
LSL-155
ME5(detected with a-HUD)
AOL
WT-VGA
MVA
WGA
UEA
ME7(detected with a-HUD)
MGL 6A-H2291
GSL-2
Con A
UDA
LTA
GSL-I(EY Lab)
CSA(EY Lab)
Mouse Galectin-8
PBA
DSL
TEL
PCL
GNL
Human Galectin
Mono2R-CNL
Mono1-CNL
Threonine
WGA
VGA
GSL-I
NPA
PTL
TTL
PSL
MAL II
MAAA(Seikagaku Biol)
PHA-E
PHA-L
UEAI
CAA
CA19.9-BH226
Mouse NKR-P1C
Mouse Galectin-8
PNA
human Galectin
hGal-1-488-BCH
hGal-1-488-BCH
AFCNYH
AOL (Mapal Lab)
MGL 6B
WT-VGA
VGA(EY Lab)
TJA-I
TJA-II
Galectin-1
Sp Serotype 14
WGA 6A
DC-ASGPR short
rNV VLP A24
WGA(Seikagaku Biol)
MAA
Gal-3c
Avarigonin
ConA
TbFBL1
TbFBL2
Epa1-Np mutant Y226A
Epa1-Np mutant Y226W
Epa1-Np mutant E227G
Epa1-Np mutant E227A
mouse galectin-9
mouse galectin-9
Sp Serotype 14
Sp Serotype 14-15
CCL2(Y60/67)
vLRB aGPA-23
Concanavalin A
BNA
HPA
Native
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Anti-HPA
HPA
XVIA(Lectin)
hJAA-F11
BPL
PBL
rSSB
SSB1
AVT
Epa1-Np
TbFBL2
MPA
AIA

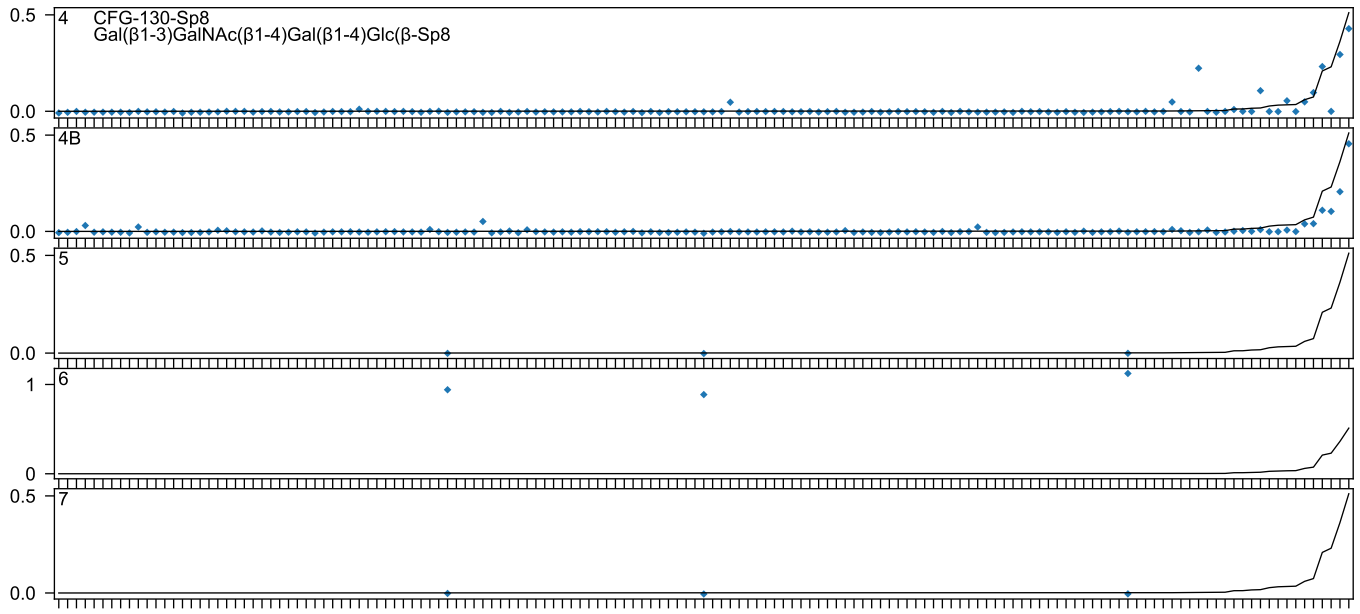

4
CFG-126-Sp14
Gal(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
0.25
0.00
1
0
SNA
PNA
TJA-I
STA
SBA
WGA
MNA-M
MNA-H
PTA-Gal
PSL
WT-VCC
MAA(Seikagaku)
PHA-L
VVL
Gal-1
CA19-9-1428
CA19-9-Alexa
IgS-K-Alexa
WGA multimer
CA19-9-Alexa
CA19-9-BB44
Mono2W-CNL
CEA(EY Lab)
Native SSA
WGA(Seikagaku,Bio)
Pa-1
AOL (Matsu)-1B2
LBL-1B2
MEA
NPA
Mono1-CNL
WGL-476
GAC-278
Tn-Sepharose
Gal-3C
PSA
WT Galectin-3
CA19-9 Ab (D.Kay)
#14 Sialyl Lewis X (Calbiochem)
Human Galectin-3
PhoSIP-001
CEA
WGA
hGal-1-488-BCR
SSL0-CAA
GSL-I-B4
HPA
CA
AFCN
NOA
DBA
mouse Gal-1
GSL-1
GSL-I-A4
DSL
Gal-1
MGL-88
HMS-Sialic
Microvirin
PNA
ACE
GNL
VLRB.aGPA
Sp Secrx-14-12
Sp Secrx-14-12
#15 Sialyl Lewis X (BD)
GNA (EY Lab)
GSL
UEA-I
Mouse NKR-P1C
ACL
#8 Lewis B (T218) (Abcam)
WGA
human Gal-7
Bauhinia
MAL
CSA(EY Lab)
ACI
MOL
ECL
PCL
VGA(EY Lab)
PTL
Mono2CBL
DC-ASGPR Sigma
Avanger-Fc
RCA (Vector)
Gal-1-B1
hIAA
HHA(EY Lab)
Mouse Gal-1
WGA(I)
P1
Epa1-Np mutant Y228W
ME7(detected with a-HUD)
nNV
WGL-CA
CC1G-1B8
PHA-E
Epa1-Np mutant Y228W
AOL
BTL
Epa1-Np mutant E227G
ME5(detected with a-HUD)
Epa1-Np mutant E227G
Anti-LeB
VVRA lectin
RSL
SSL
Epa1-Np
WA
Tb-MAL
ALA
SSR1

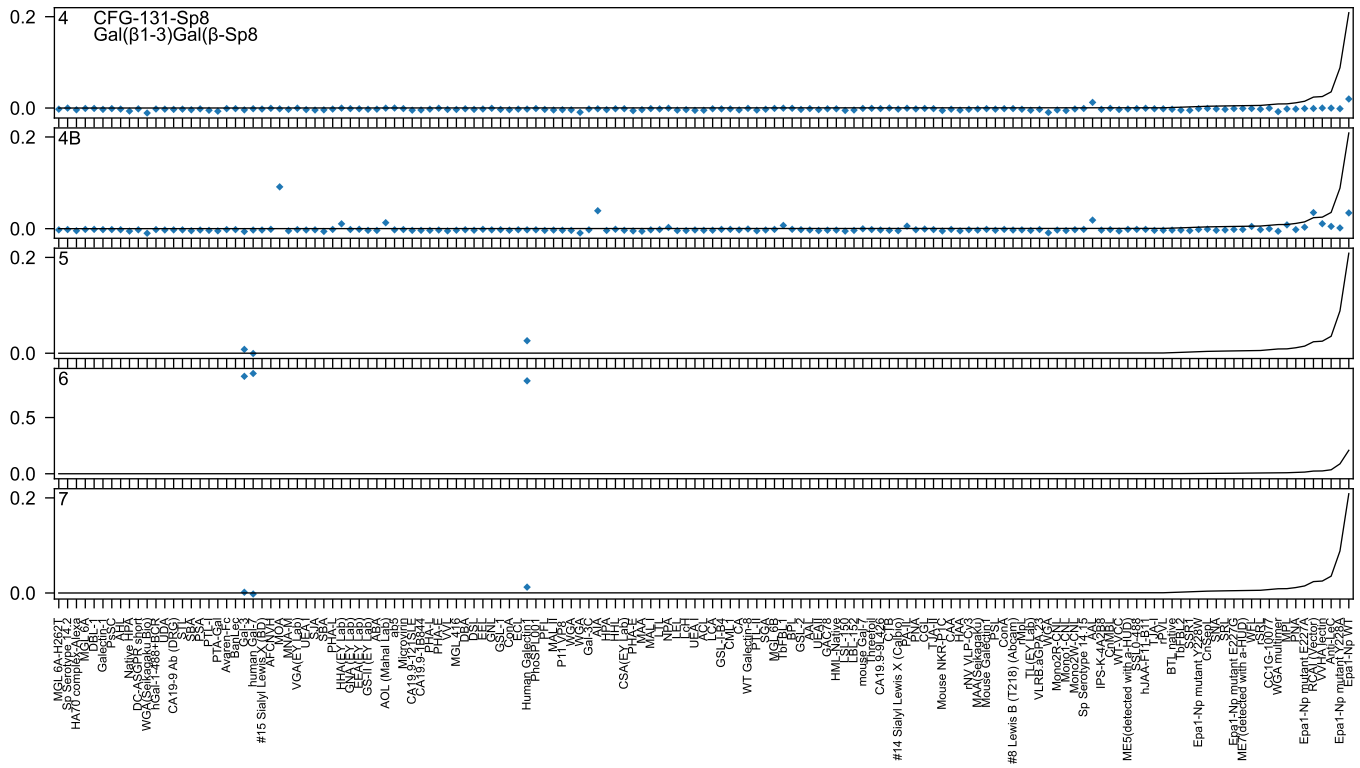

4
CFG-126-Sp16
Gal(β1-3)GalNAc(α-Sp16
4B
5
6
7
0.0
0.1
0.2
0
1
SMA
Jac8
WF
UEAI
UDA
TL(EY Lab)
LAC
LAI
SBA
SSA
RCAI (Vector)
PTL-I
HHA(EY Lab)
PTA-Gal
PNA
PAS
ME7(detected with a-HuD)
LBL-125
ME5(detected with a-HuD)
PHA
EEA(EY Lab)
GS-II (EY Lab)
MAL
Mono2W-CNL
AOL (Matsal Lab)
Micgovirp
VGA(EY Lab)
MAL II
human Gal-7
WT Gal-3
WGA mutmer
MGL
Lpa
WGA
MAL-I
PHA-L
CAA
PTA-E
PHA-E
Mono2P-CNL
ConA
Eel
Mouse Galectin-8
WF Galectin-8
AAL
Thrombin
CTB
Vicin
Human Galectin-1
GSL-I
EEA
MAA
CnMB
NEA
LCA
LEL
GSL-I-B4
GSA(EY Lab)
BrpSP(EY Lab)
hGal-1-488+BSA
Sp Serotype 14-2
HPA
PSA
abs
CA19.9-9L426
HML-Nauxe
AAL
HA70 complex-Alexa
Mouse NKR-P1C
CGL
CA19.9 Ab (1116-NS-19-9)
Sp Serotype 14-19
TcBFBL1
rVOL
rVOL
Bart-Lec
Mono1-CNL
#14 Sialyl Lewis B (T2128)
MAGnA
MAAA(Seikagaku)
MGL 6A1-B2C1
MGL 416
#15 Sialyl Lewis X (T2129)
PSVR X-Alexa
GSL-I
GSL-I-B4
CA19.9-18B4
SSA
Epa1-Np mutant Y228A
ABA
PSA
rNV VLP-Sp3
Galectin-1
HHL
GNA (EY Lab)
DC-ASGPR spot
BTL native
mouse Gal-7
WGA(Seikagaku)
Epa1-Np mutant E227Q
hJAA-F1-B11
Epa1-Np mutant E227A
BPL
Epa1-Np mutant Y228W
Epa1-Np mutant Y228F
CA19.9-9L426
Anti-Lec
VVA
Native PHA
ABL
rPNA
SNA
Epa1-Np
SMP
SNA
TcBFBL2

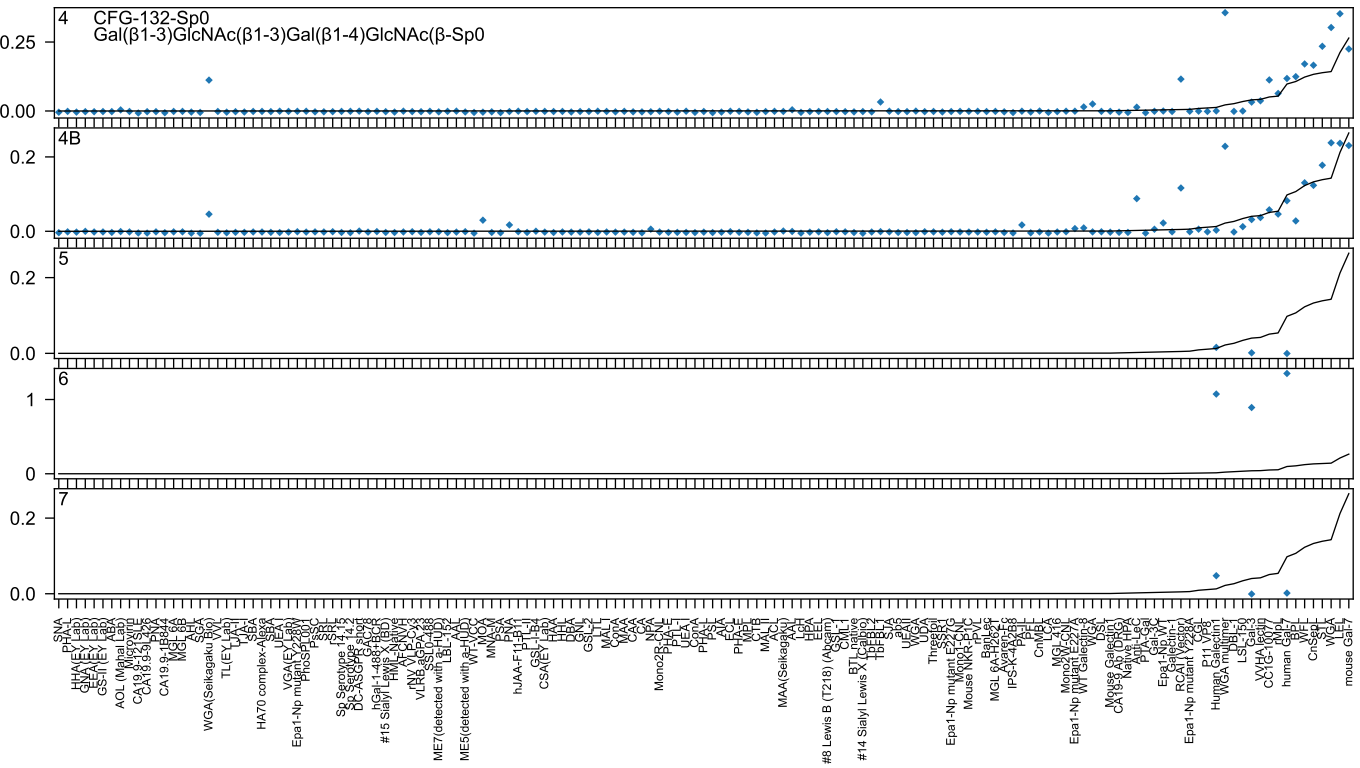

4
CFG-127-Sp8
Gal(β1-3)GalNAc(β-Sp8
4B
5
6
7
0.25
0.00
1
0
SBA
LEA
#15 Sialyl Lewis X (LEA)
WGA mul(mer
HA70 mul(mer
nGal?Glc?Man?
VVL
VEAH
TL(EY Lab)
Galectin-1
PHA-L
PHA-E
Bauhinia
#8 Lewis B (T218) (Abram)
CA19-9 (Abram)
WT-Bacc
MOA
MVA
VGA(EY Lab)
UEA
MAA(Seikagaku)
HHA(EY Lab)
APA
XBA
abo
Microvillin
IPS-K-422/88
CA19.9-1 (Fisher)
PTSLE
MAA
AAL
Agaricus
PTI
FCA
CAA
CNA
NPA
GNA
GSL-A
WGA
Thrombo
Mouse Galectin
DSL
Human Galectin
LEL
ABA
LCH
UEA
DBA
CA19.9 Ab (DRA)
CSA(EY Lab)
#14 Sialyl Lewis X (Calbio)
EEA (EY Lab)
CA19.9 Ab 428
Sb-Serotype 14.1
Sp Serotype 14.1
WFA
Galectin-8
Gal-C
Mouse NKP-PTC
HML-Nagoya
GSL-I-B4
MALI
VLRB.aGPA 2.2
ECL
Gal-1
AOL (Matsuda)
PhoSL-001
MGL-65
PTA-Gal
MGL 6A-H267
SCA
T-Ag
T-Ag-I
WGA(Seikagaku Bio)
Naegeli
MAL1
GAL(Calbio)
LBL-P67
HIT
SSL0-F38
Mono1-CNL
Mono2
THL
GNA (EY Lab)
SNA
ME5(detected with anti-PD-L1)
Mono2R-CNL
GSL(EY Lab)
mouse Gal-7
ME7(detected with anti-PD-L1)
hJAA-F11
rBP-11
rNV VLP-Dx3
WFA
BTL naive
CC1G
CC1G-10017
DC-ASGPR short
ASGPR short
RCA120
Epa1-Np mutant Y228A
Epa1-Np mutant Y228W
Epa1-Np mutant E227A
KIPS
AIA
VVHA
SSB9
Epa1-Np mutant E227A
SSL8
TBEB-2
BPL
Anti-VK
Epa1-Np WT
PNA

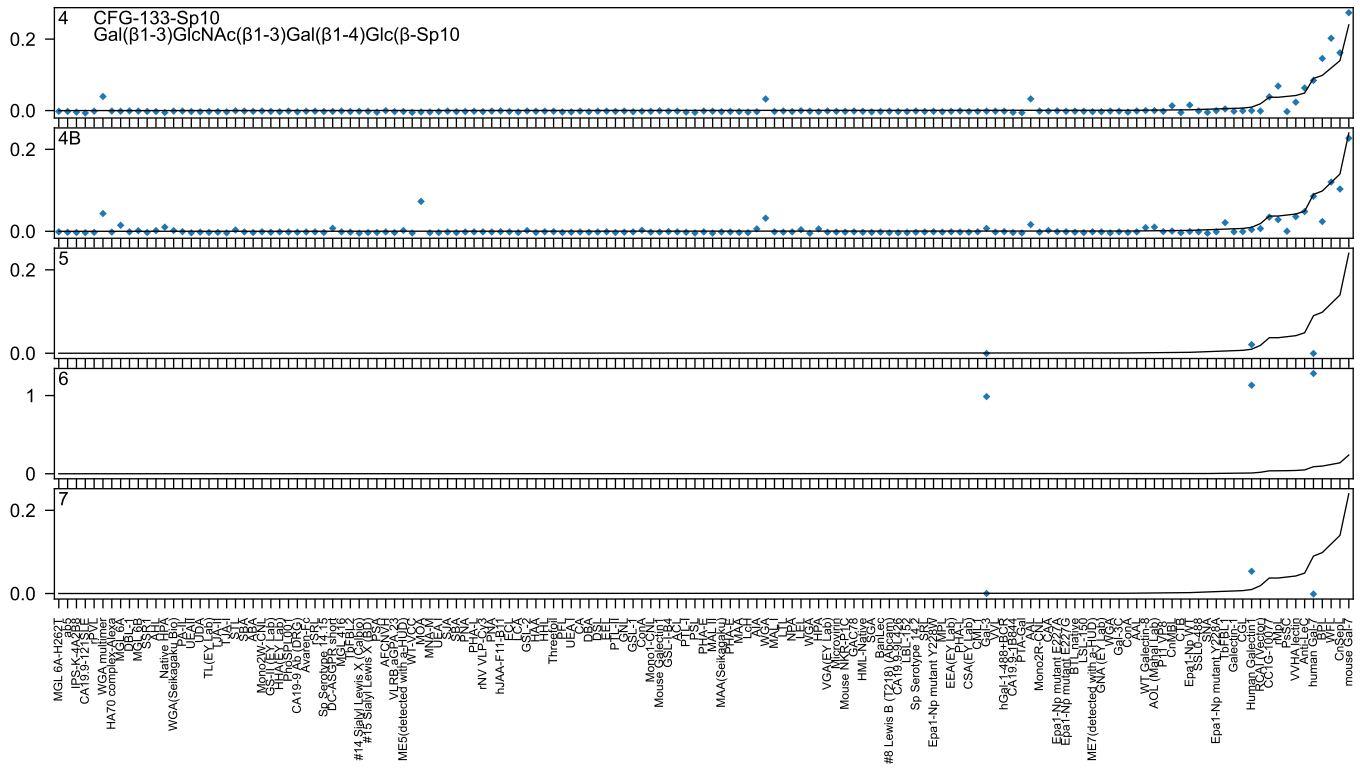

4
CFG-128-Sp0
Gal(β1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
MAA(Seikagaku
PSL
PNA
PTA-Gal
PTL-I
TJA-I
TJA-II
LAA
WGA(Seikagaku Biol
Native SGA
HA70 complex-Alexa
IPS-KZ4288
AOL(Matze Lab)
GSH (EY Lab)
SBA
#8 Lewis B (Abcam)
VLRB aGPA2
#8 Lewis B (2218) (Abcam)
Sp Serotype 1
SRL
Galectin-1
PhoSL
CNL
MVA
LEL
hJAA-F11
WGA
ECL
GSL-1
CAA
Human Galectin1
Mouse Galectin1
DBA
GRA
GRA-E
Mouse NKR-P1C
EEA(EY Lab)
#14 Sialyl Lewis X (Calbiochem)
OGL
Mono2R-CRP
hGal-1-488-BCR
#15 Sialyl Lewis X
ABA
UEA1
Mono
UEA1
HWA-RNV9
GNA (EY Lab)
PTA
HPA
VGL
NPA
Threepio
UEA1
TL
TL(EY Lab)
VGA(EY Lab)
CA19.9-1
PNA-E
CAA
WT Galectin
WGA-M
MAL
TbFBL-1
Mono2R
Sp Serotype 1/12
CA19-9 Ab (NCI)
GAC72
WT-TCA
SJA
Epa1-Np mutant Y227A
CA19.9-16342
RIP
ABA
CA19.9-9-1-626
AOL
Epa1-Np mutant E227G
PHA-E
LBL-152
Mono2
CSA(EY Lab)
Epa1-Np mutant E227W
MAL-II
HHA(EY Lab)
WGA
SBA
Mono2W-SRL
Agaric-PC
GSL-I-B4
HAA
Gal3
TbFBL-2
LSL-150
MPL
human Gal-7
PTA
ISGR1
WGA multimer
PCA-E
CTB
RCA(Vector)
SSA(Vector)
DBL-1
Epa1-Np mutant E227A
MGL-LD
ME7(detected with a-Gal2)
BTL native
ME5(detected with a-Gal2)
rNV VP-Cx3
CC1G-10007
MGL-SS
VVHA lectin
BUT
Epa1-Np
MGL-6A
Anti-PNA
DC-ASGPR short


4
CFG-129-Sp0
Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
UDA
SBA
PA-L
PA-IL
UEA
HMLec
Native
VGA(EY Lab)
Native HPA
SJA
WGA
MNA-M
PTL-I
PTA-Gal
PHA-E
PHA-L
ABA
MAL
SNA
SNA-I
SSA
SSA-I
IPS-K-47-288
CA19-9
CA19-9 (2)
CA19-9 (3)
hGal-1-18844
hGal-1-4B-PBC3
Tn-PBC3
Gal-3
PGA
#14 Sialyl Lewis X (Calbiochem)
HA70 complex-Alexa
GNA(EY Lab)
PHA-L
Galectin-1
Galectin-3
GS-II (EY Lab)
MAA(Seikagaku)
PHA-E
P-11
Mono2R-CNA
Mouse NKR
AOL
Treefrog
hNK-TF-Ag
PhoSL
WGA
MPL
Mouse Galectin1
Human Galectin1
CorA
CorA
CnMBL
ME7(detected with a-HUD)
AOL (Mahal Lab)
GSL-I
LCA
CSA(EY Lab)
CopA
HPA
DSA
ME5(detected with a-HUD)
MALL
LBL-152
NPA
UEA
PHA-E
AFCNH
MAA
Microvin
Mono1-PNL
#8 Lewis B (T218) (Abcam)
VGA
GNL
BPA
VLRB.aGAL3
Sp Serotype 14-2
Sp Serotype 14-2
Mono2WCNL
Sp Serotype 1-2
ABP
EEL
CA19-9 Ab (BioRg)
WT Galectin-3
CAA
BTL native
hAAF-E11-B7
hAAF(EY Lab)
LSL-DBA
RCA(Vector)
#15 Sialyl Lewis X (BD)
WGA(Seikagaku)
LTA
MGL 6A-H2267
WT-Y256
TpFBL1
Epa1-Np mutant Y224A
Epa1-Np mutant E258A
WGA multimer
Epa1-Np mutant E258R
Anti-Leg
SSL7-488
CCTG-1S1V4
Epa1-Np mutant Y228W
Epa1-Np mutant E258A
DBL-1
mouse Galectin-9
BP
VVHA (with his)
PSSC
MGL 88
Epa1-Np
DVL
DC-ASGPR stock
CTB

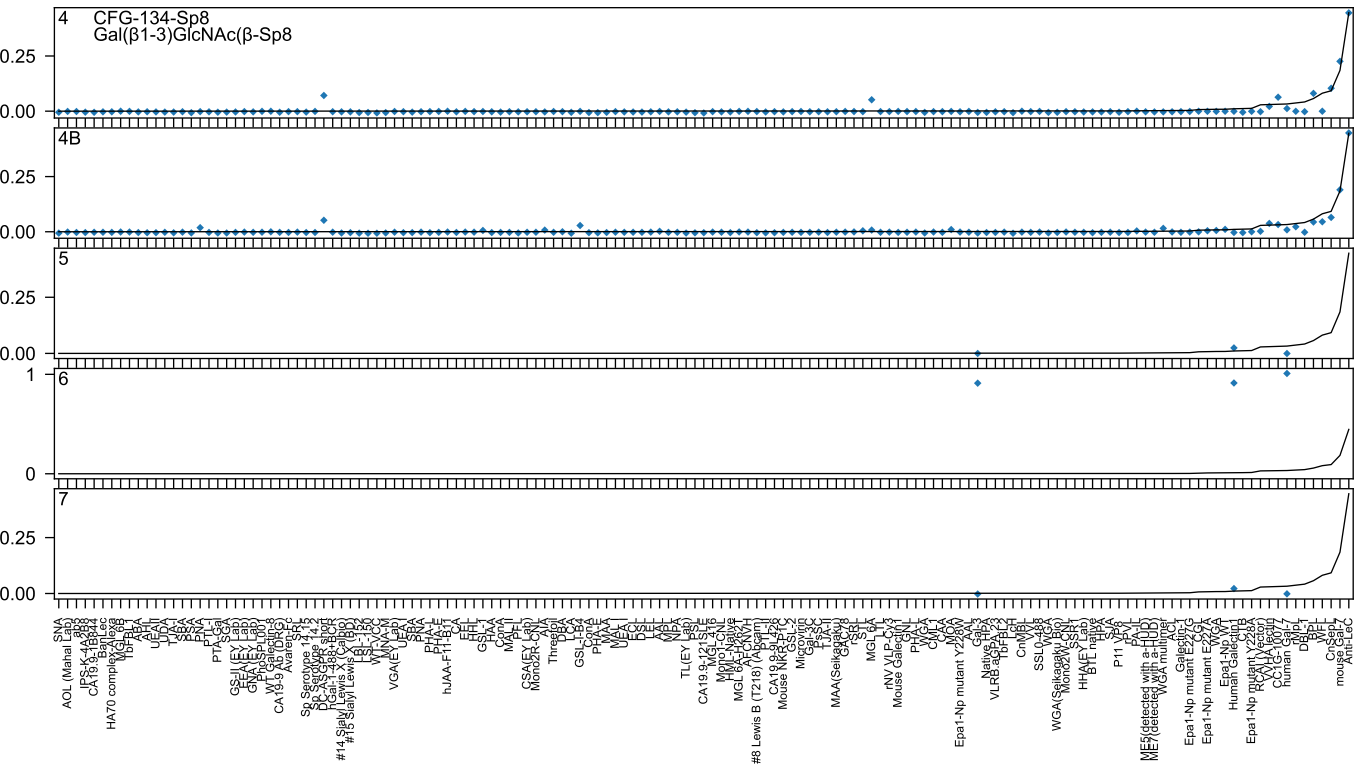

4
CFG-130-Sp8
Gal(β1-3)GalNAc(β1-4)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
CA19.9-18
SNA
CGL
WGA multiple-Alleles
HA70 complex-Alleles
DBL-1
SSA
WGA(Seikagaku)
Bap
UEA1
PDL
PHA-E
MAA
CA19.9-12
SALE
IPS-K-4
A258
AOL (Mahpa)
CA19-9 AD
PhoSPLA001
PSA
Sp Serotype 14.2
Sp Serotype 14.1
#14 Sialyl Lewis X (Kim)
#8 Lewis B (Kim)
hNV VLP-23
VGA
WGA
PNA
PSA
GNA (EY Lab)
Mono2Wt-CN
ABA
abo
hJAA-F11-B
NNL
Mouse Galectin-1
DBA
HPA
Human Galectin-3
Mono2R-CN
vAIA
Thrombin
UEA
GSL-I-B4
CSA(EY Lab)
PWM
#15 Sialyl Lewis X (Kim)
AEA(NTH)
EEA(EY Lab)
TxB(IIB)
CWLT
HML
SSBT
SCSA
LSL
Barley
CA19.9-9-1-428
Mouse NRS-B-1-C
hGal-1-480-F-C
HAA
Gal-3
Mycoplasma
TcFBL
ECL
Sp Serotype-14
GSA
NGCB
GAL-8
STA
CEA
P11
VRA
Avarey-Fc
Native HPA
LTA
Galectin-1
MVA
GS-II(EY Lab)
SSA
Con A
HHA(EY Lab)
Gal-1
WT Galectin-8
PA
ACL
SCA
PHA-L
UEA1
MAA(Seikagaku)
Tn
HPA
MGL-S18
WT-XCC
TL(EY Lab)
MAL II
BTL
MGL BA-1-1-0228
MgGCA
MgGCA
human Gal-7
ME5(detected with a-mAb)
mouse Gal-7
ME7(detected with a-mAb)
PTA
AAL
CTB
RCAI (Vector)
VLRB.aGPA.23
Epa1-Np mutant 1-10024
DC-ASGPR
Epa1-Np mutant 1-238W
Epa1-Np mutant E227G
PSSC
Epa1-Np mutant 1-237A
VVHA
BCL
Anti-VP
Epa1-Np
PNA

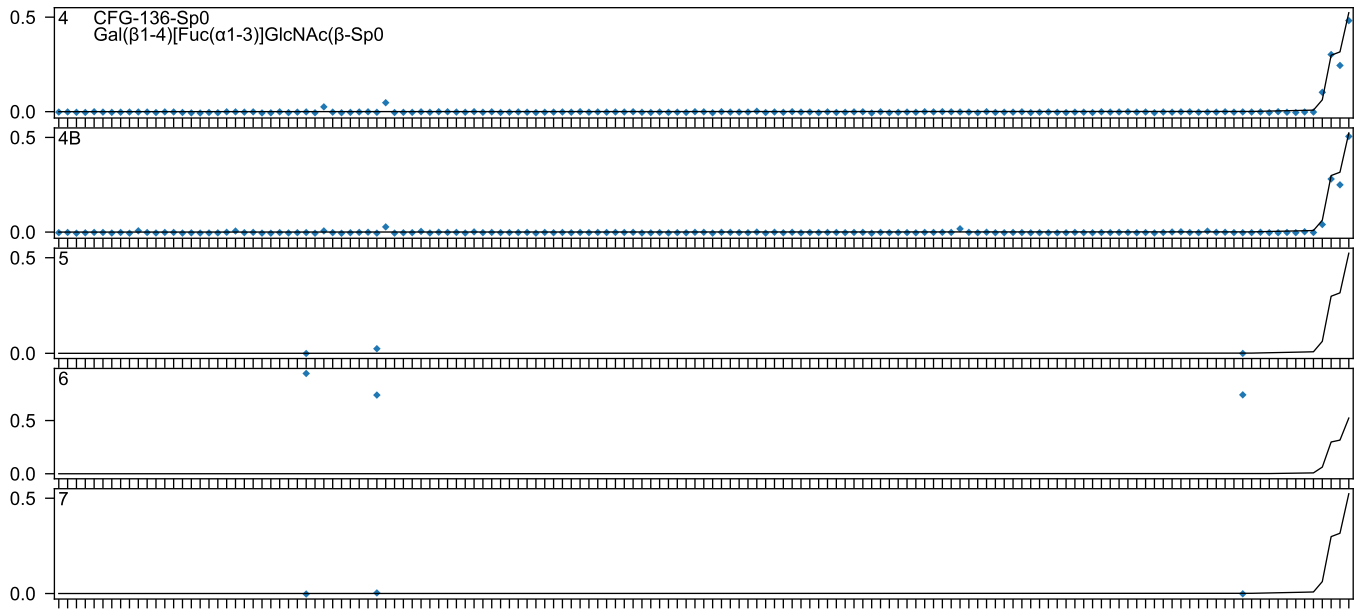

4
CFG-131-Sp8
Gal(β1-3)Gal(β-Sp8
4B
5
6
7
0.2
0.0
0.5
MGL 6A (H267)
SSEA-4 (Lab)
HA70 complex (Alexa
MAb-1
DBL-1
Galectin-1
Fucoidin
ABL
Native PGP
DC-ASIGN (Lab)
WGA(Seikagaku,Bio)
hGal-1-488+PDA
PDA
CA19-9 Ab (DSG)
SBA
PSA
PTA
PTA Gal
Avgan-Pc
Avgan-Ec
Gal-3
human Lewis X (BD)
#15 Sialyl Lewis X (BD)
AFCNTH
MMA-M
VGA(EY Lab)
UEA
SSA
PNA
PTA
HHA(EY Lab)
GNA(EY Lab)
PEA(EY Lab)
GS-II (EY Lab)
AOL (Mahal Lab)
abb
Microtomp
CA19.9-12(SIGE
CA19.9-7(SIGE
PPA-4
PPA-F
MGL-416
DSA
EEL
SGL-1
CorA
HPA
Human Galectin1
PhoSP DPI
P11
MVL-II
VGA
WGA
Gal-8
AIA
HPA
CSA(EY Lab)
PNA
MAL-I
MAL-II
NPA
LEL
UEA
ACA
GSL-B4
CMA
WT Galectin-8
PSA
SCA
MGBP
TBP
BP
GSL-2
UEA-I
HML (Native)
LSL-189
LSL-190
mouse Gal-7
CA19.9 (Biogel)
CTB
#14 Sialyl Lewis X (CBA)
PNA
PNA
TAA
Mouse NKR-P1C
HAA
HAA
ANV VI P-Gal-03
MAA(Seikagaku)
Mouse Galectin1
CorA
#8 Lewis B (T218) (Abcam)
WGA
TH(EY Lab)
vLRB.aGVA
Mono2R-CN1
Mono2W-CN1
Sp Serotype 14-15
IPS-K-4A288
wCMBP
ME5(detected with a HUD)
hJAX-FT-B39
LAA
BTL native
TbFB-1
Epa1-Np mutant Y228W
CrSSA
SSA
SSL
Epa1-Np mutant F210D
ME7(detected with a HUD)
VVL
CC1G-10077
WGA multimer
PNA
Epa1-Np mutant E221A
VVA
HAecto
Epa1-Np mutant Y228A
Epa1-Np WT

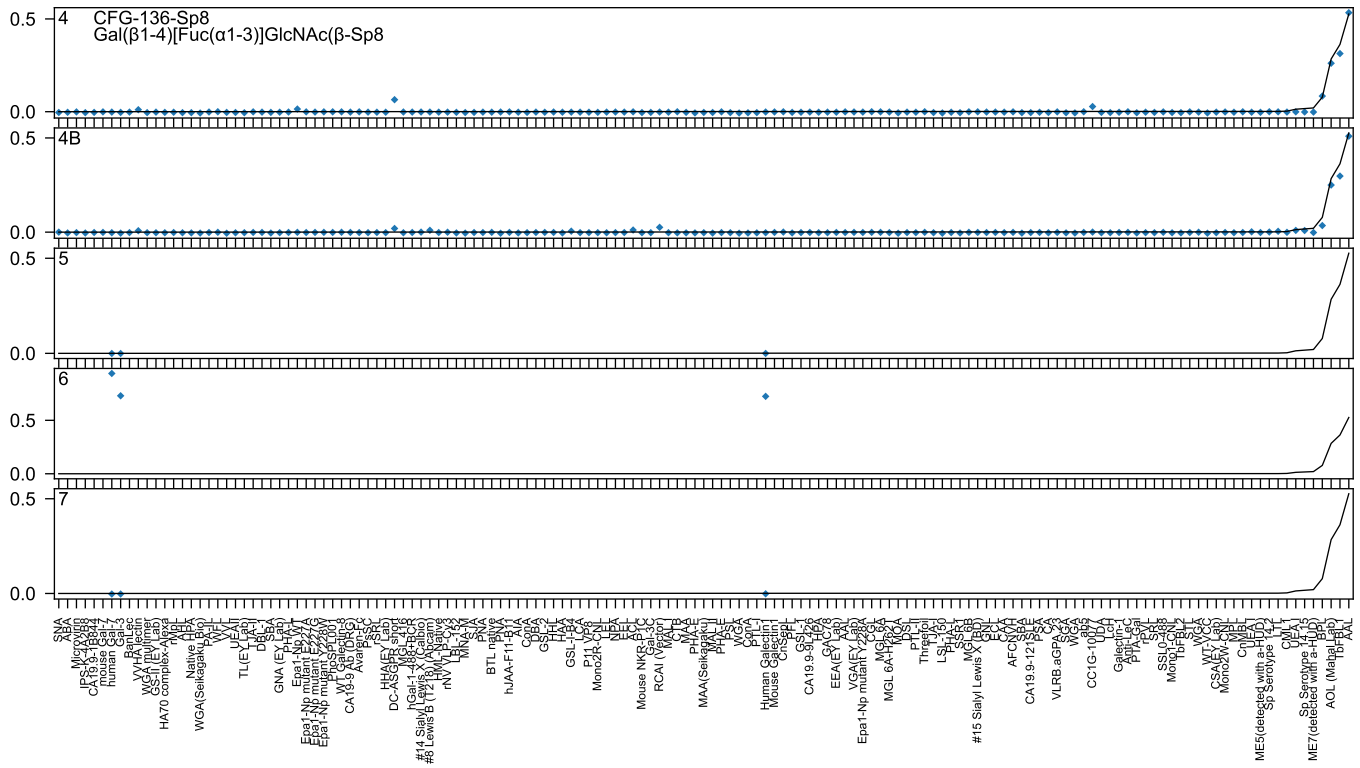

4
CFG-132-Sp0
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.2
0.0
1
0
SNA
PNA
UHA(EY Lab)
UEA(EY Lab)
GS-II(EY Lab)
AOL (Mahal Lab)
Amycolatopsis
CA19.9(Lab 226)
CA19.9(Lab 19-9)
CA19.9-19-9
CA19.9-226
MGL 66
ABL
WGA(Seikagaku)
SBA
VVL
TL(EY Lab)
VAA
HA70 complex-Alexa
UEA1
VGA(EY Lab)
Epa1-Np mutant (Lab)
PhoS-PC(Lab)
PhoS-PC
PSA
SBL
rBL
So Serotype 1-4,15
DC-ASGPR short
DC-ASGPR
hGal-1-488
GAL8
#15 Sialyl Lewis X (BD)
HA(EY Lab)
vLRB-Cx3
vLRB-Cx3
SSL7-488
LBL (HUD)
LBL
AAL
ME7(detected with α1-AD)
WFA
MOA
ME5(detected with α1-AD)
MNA
PWA
hJAA-F11-Fc
β-PE
CSA(EY Lab)
GSV-I-B4
HPA
DBA
PTA
SGN
GSL-I-B4
LCA
MALI
MAA
CAA
CAA
NPA
Mono2R
BPL
PHA-E
PEL
CorA
PTL-I
PAL
AIA
PHA-L
ACG
MPL
MAL II
AOL
MAA(Seikagaku)
AAL
ABA
HPA
EEL
#8 Lewis B (T218) (Abcam)
Gal(Sam)
CML1
BTL (Calbiochem)
#14 Sialyl Lewis X (Calbiochem)
TBEL2
TBEL1
STA
LEA
PEAN
WGA
VVL
Threepolp
Epa1-Np mutant ESSR3
Epa1-Np mutant ESSR3
Mono1-CONC
Mouse NKR-PVC
MGL 6A-Alexa
Bandeiraea
IPS-K4-B38
PSL
BPL
CnMBL
MGL 416
Monoxo E2274
Epa1-Np mutant (Lab)
WT Galectin-8
OSA
Mouse Galectin-1
CA19.9(Lab 19-9)
Native HPA
Arth-Leg
Gal-3C
Galectin-1
Epa1-Np
RCA(Vector)
Epa1-Np mutant Y68A
Gal-1
Human Galectin-1
WGA multimer
LSL(Lab)
Gal-3
VVA
cCIG-1(Lab)
human Galectin-7
Alpha-1
BPL
CnSerL
SSL
VVL
LEA
mouse Gal-7

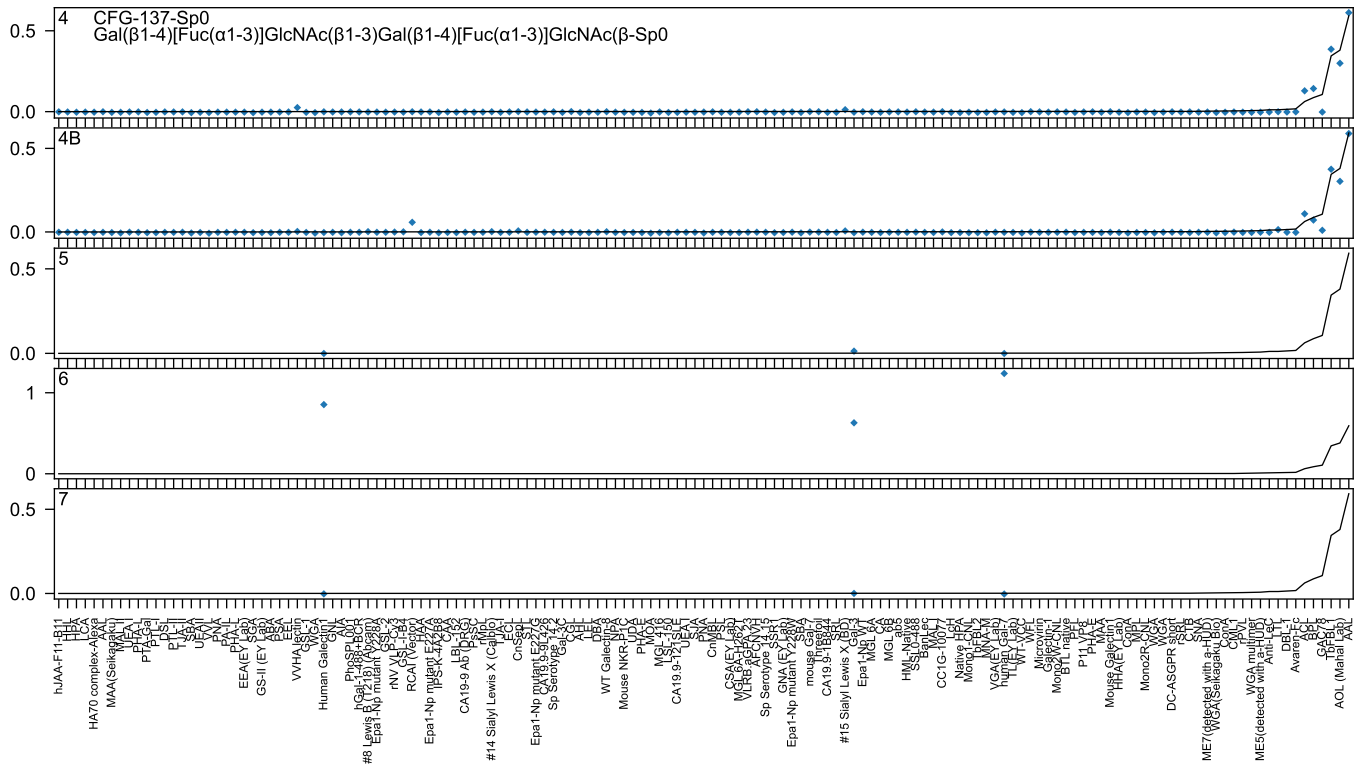

4
CFG-133-Sp10
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp10
4B
5
6
7
0.2
0.0
1
0
MGL 6A-H2627
PSS-K-4A-B3
CA19/9-12-B3
BVE
WGA multimer
WGA(Seikagaku,Bio)
TL(EY Lab)
CA19-9 Ab
#14 Sialyl Lewis x (Calbio)
#15 Sialyl Lewis x (BD)
ME5(detected with
hJAA-F11-B1
Mouse Galectin-4
Mouse NK-Sp18
#8 Lewis B (T218) (Abcam)
Sp Serotype 14
Epa1-Np mutant Y228W
CSA(EY Lab)
hGal-1488+BC-5
CA19-9-B844
Mono2R-CNL
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
ME7(detected with
GNA(EY Lab)
Epa1-Np mutant Y228A
AoL (Maha Lab)
Epa1-Np CYB
human Galectin-1
mouse Gal-7

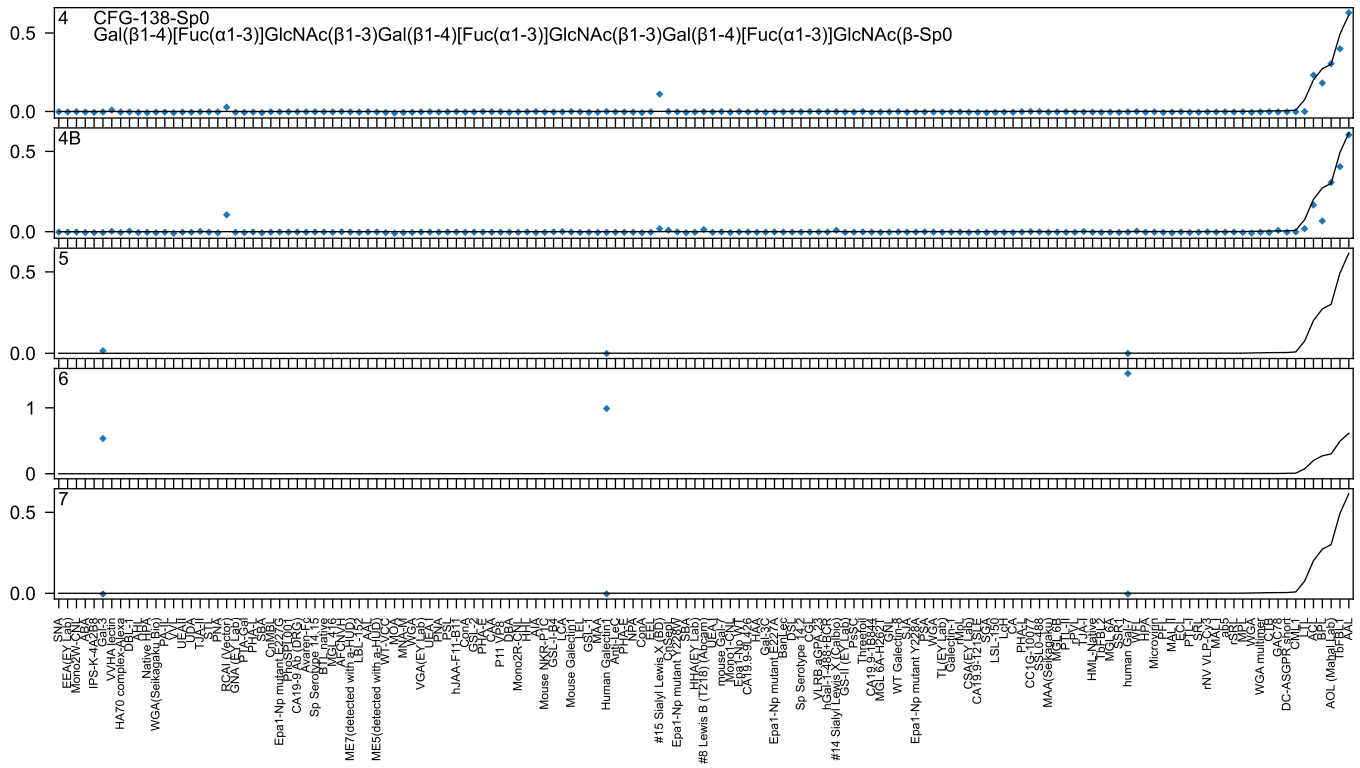
4
CFG-134-Sp0
Gal(β1-3)GlcNAc(β-Sp0
0.5
0.0
4B
0.25
0.00
5
0.25
0.00
6
1
0
7
0.25
0.00
MGL6A(EY Lab)
CEA
GSTI(EY Lab)
Mono2W-Lab
ABA
AOL (Mahal Lab)
CA19.9-121
SPE
CA19.9-3
Lac
WGA nulimer
CN(Sialyl Lewis X)
HA70 complex
DBL-1
MGL
ABP
Native HA
UEAII
TJA-I
UEAI
SJL
MGSA
PSA
PNA
Epa1-Np mutant Y228A
PhoSP-001
SBL
Sp Serotype 14
Sp Serotype 4
Wgt 416
#15 Sialyl Lewis X
#8 Lewis B (T2A8)
NVJ
SSD-488
LBL-150
WT-XCC
VGA(EY Lab)
MMA-M
ATCC
hJAA-F11-B11
P11
VEL
LEL
PCA
CAA
MAL
GalA
GSL-I
EEL
GSV-I-B4
CSA(EY Lab)
DSL
DBA
HPA
HIL
Mouse NKR-P1C
PTL-I
PTL-II
CEA
PNA-F
MAL
Mouse Galectin-1
MPL
WGA
CTB
Thrombin
HAA
CA19-9 Ab (GS-C)
CA19-9 (EY Lab)
TIA(EY Lab)
CA19-9 (BB44)
EAA
SSR1
Bandeiraea
WT Galectin-8
#14 Sialyl Lewis X (Calbio)
CML1
HMA
hGal-1-H6His
MAA(Seikagaku)
Avarol
PVL
VLRB.aGPA
PSL
PHA-E
GAC78
IPS-MC72/288
TbP
NPA
MF5(detected with a-HUD)
Mono1-LOD
Epa1-Np mutant E227G
WGA(Seikagaku) Bio
ME7(detected with a-HUD)
Mono2-LOD
Epa1-Np mutant E227A
HHA(EY Lab)
Epa1-Np mutant Y228A
Human Galectin-1
SNA
RCA(Vector)
CCTG-10077
human Galectin-1
VVHA
WFL
UEA
CnSep1
mouse Sialyl
DC-ASGPR short
Anti-LeC

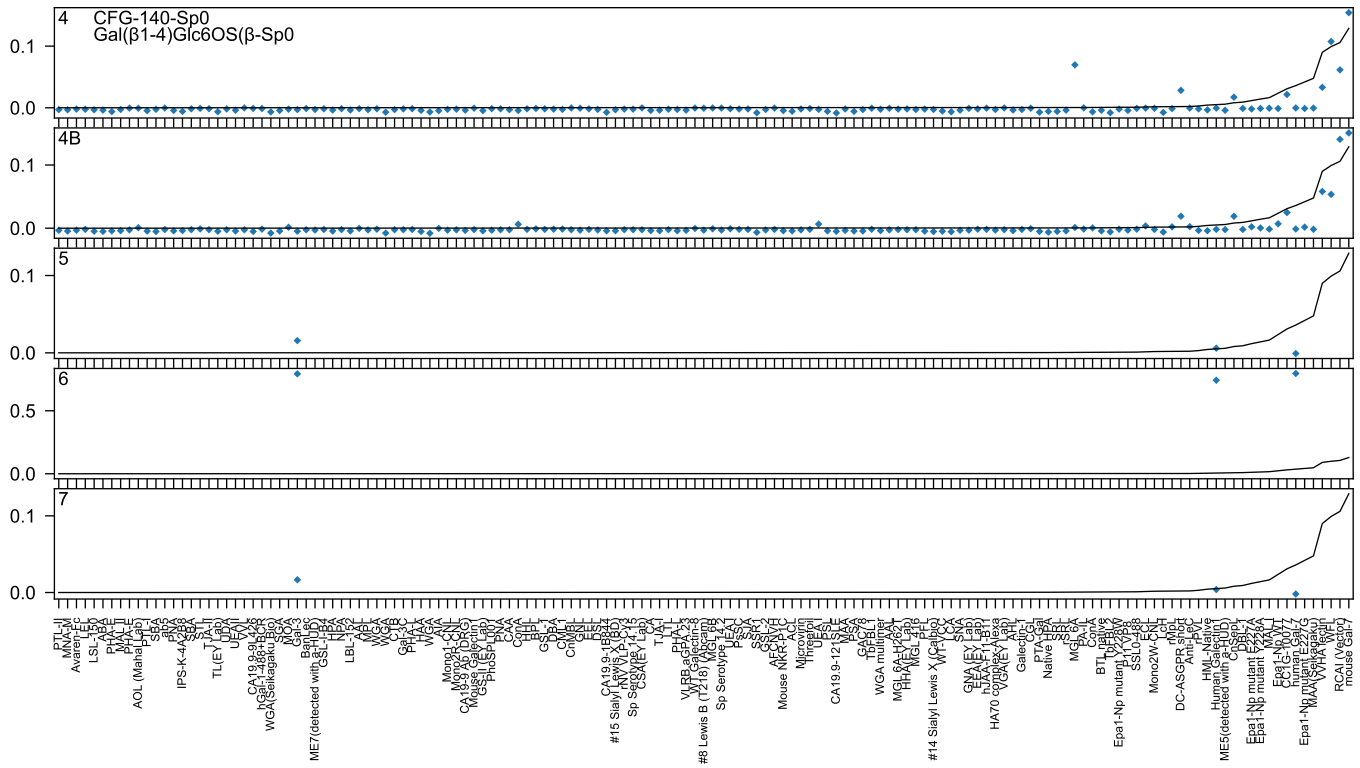

4
CFG-134-Sp8
Gal(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.25
0.00
1
0
SNA
AOL (Mahal Lab)
ABA
JFS-K-44
CA19.9-18944
HA70 complex
WGA-68
Tb1
RCA
AAL
UEA
LCA
PSA
PNA
ECA
PTA-Gal
Gal
GS-II (EY Lab)
GEA (EY Lab)
GFP (EY Lab)
WFA
Galectin-8
CA19.9-1116
BoNSP-Lab
Avarelin-EC
Sp Serotype 3
Sp Serotype 14.2
Sp Serotype 14.3
DSA-Gal-1388-BCR
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis B (Calbio)
BL-192
WSL-150
MVA-N
VGA(EY Lab)
LEA
SBA
PHA
PHA-E
PHA-L
hJAA-F11-B-F
CA
EEL
GSL-I
PHA
CPA
MAL
ALL
GSA(EY Lab)
Mono2R-CNL
Thrsp/gl
DBA
GSL-I-B4
PSA-E
PSA
MAA
UEA
ECL
LEL
MPL
NPA
TL(EY lab)
CA19.9-1021-SLE
Mono1-CNL
MGL-1A-HBSP
#8 Lewis B (T218) (Calbio)
ACONH
CA19.9-1126
Mouse MUC1-T
GSL-2
Mcavvo
Tes-1
FSL-SC
MAA(Seikagaku)
GAS78
SST
MGL-1A
rNV VLP-CY3
Mouse Galectin
PVAL
CNT-1
CNT-2
VCA
Epa1-Np mutant Y228W
Gal
GalNAc
Native HPA
VLRB apo-FBP-C2
CnMH
CnVM
SSL0-488
WGA(Seikagaku Bio)
Mono2(Calbio)
SSA
HHA(EY Lab)
BYE mellin
HPA
VEA
P11
PVA
MEF(detected with a-HOD)
MEF(detected with a-HOD)
WGA multimer
Acel
Galectin-1
Epa1-Np mutant E227A
CGL
Epa1-Np mutant E227A
Epa1-Np WT
Human Galectin
Epa1-Np mutant Y228A
RVA HA (Sino)
CCTG-10077
human Siglec
Dolp
DBP
WFL
Cg1
Gal-7
mouse Gal-7
Anti-LeC

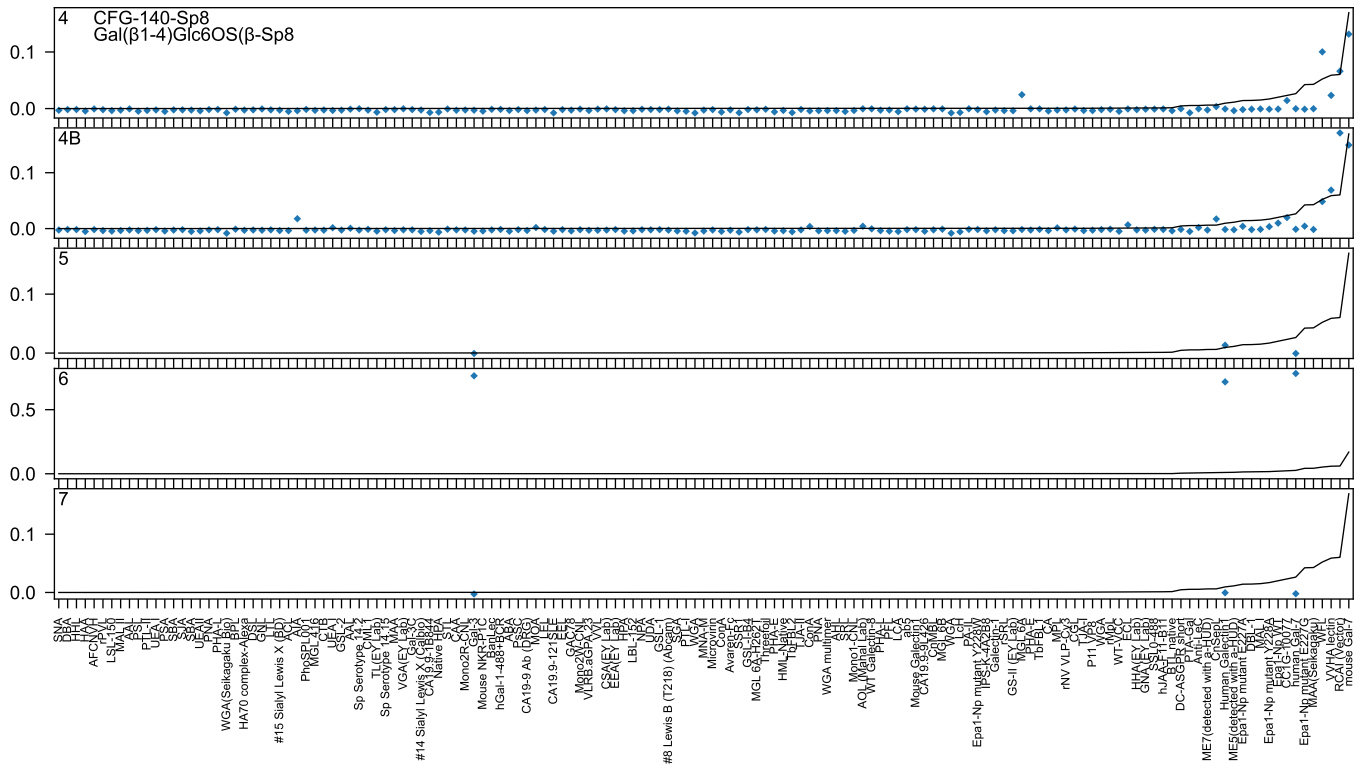

4
CFG-136-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
PTA-II
PA-II
VVL
UEA-I
HML-Native
PSA
PNA
#8 Lewis B (T218) (Abcam)
PNA
PTA-Galactose
#14 Sialyl Lewis X (Calbiochem)
hGal-1-488+BCR
PNA-E
WGA(Seikagaku Bio)
Native SGA
SSL(Fc)
UEA-I
GNA(EY Lab)
VGA(EY Lab)
WGA
MOA
Microvillin
IPS-K-422288
human Gal-7
WT-YCC
VVHA (pol)
LSL-150
HA70 complex (Hex3)
DBH-1
MGL-RB
DC-ASGPR stock
SPA
GalNAc
AIA
AVA
WT Galectin-3
Sp-Dectin-1
CA19-9 Ab (DBG)
CnSep
ConA
Mouse Galectin-1
Mouse Nrp-1 EC
GSL-I
GSL-2
ConA
Galectin-1
CSA(EY Lab)
EEA
EPA
CnVB
HPA
HHA
DBA
Epa1-Np mutant Y228A
AF-CSA
ABA
PHA-L
LBL-CSA
PsaC
mouse Gal-7
Epa1-Np mutant Y228W
Threefoil
BAL-1(8K)
MGL BA-1(8K)
GAC78
CC1C
MVA-M
rNV VLP-CA
Epa1-Np WT
CA19-9-1 126
CA19-9-1 215CE
Epa1-Np mutant T88A
CA19-9-1 TB244
VLRB-WT
VLRB-WT-Fc
WGA 6A
#15 Sialyl Lewis X (Calbiochem)
TL(EY Lab)
DSA
Mono1-CNL
Mono2W-CNL
hJAA-F11 691
RCA(Vector)
Epa1-Np mutant E228S
WFL
MAA(Seikagaku)
GS-I(Native)
MOR
LCH
MGL 416
MAA
EEA(EY Lab)
HHA(EY Lab)
AVA
Avaegin-Fc
PHA-L
Sp Serotype 14-2
MPL
Banlec
TcBPL2
UEA-I
UEA-I
PHA-L
Mono2R-CNL
GSL-I(B4)
Anti-Lec
Sp Serotype 1
Human Galectin-1
NPA
ACA
WGA multimer
ME5(detected with a-HUB)
SNA
Sp Serotype 14-D
ME7(detected with a-HUB)
BPL
Tn-PAA
AOL (Marbl Lab)
AAL

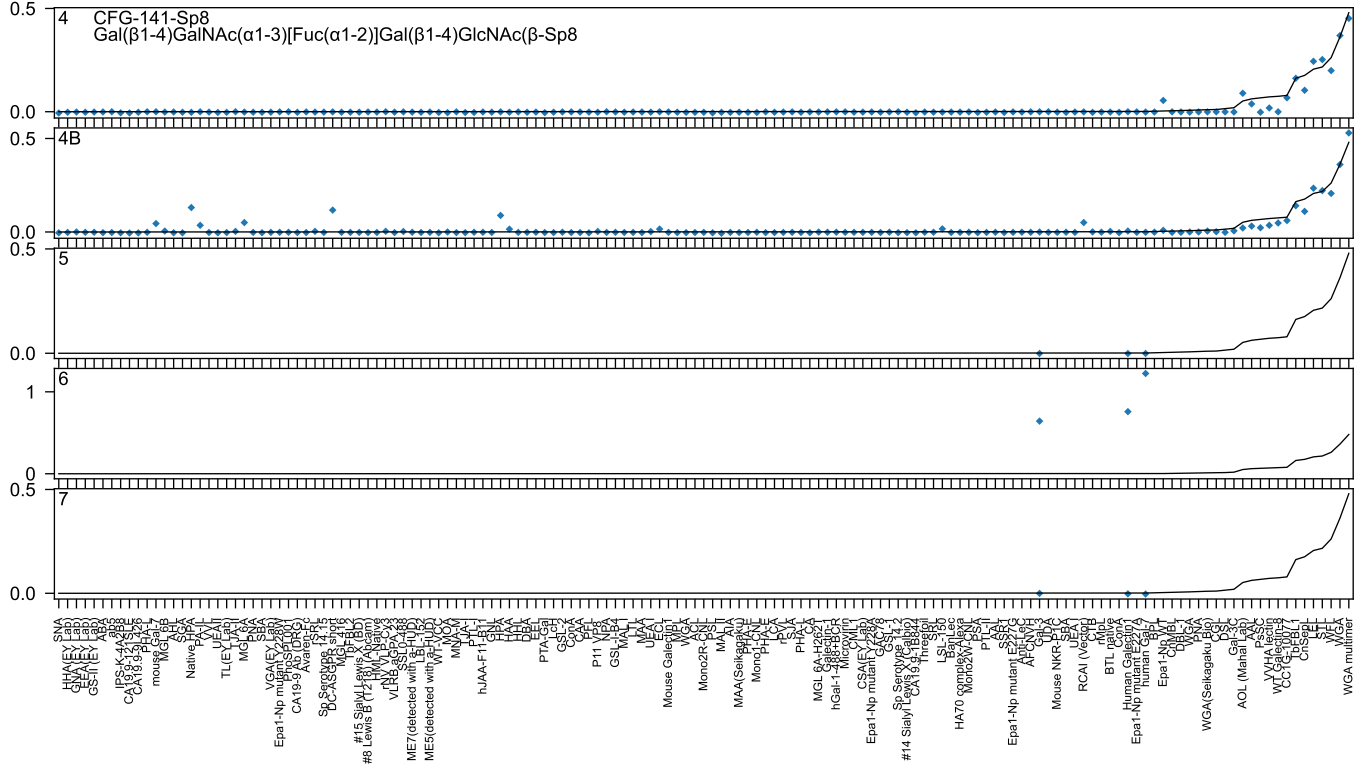

4
CFG-136-Sp8
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
SSA
Microvillin
IPSB-1-1B4
CA19.9-1B604
mouse Gal-7
human Gal-3
Bauhinia
VVH
WGA monomer
WGA multimer
CSL3 complex-A Lectin
HA70 complex-A Lectin
Myg
Native CIPA
WGA(Seikagaku,Bio)
WF
UEA-I
TL(EY Lab)
DBL-1
DBL-2
SBA
GNA (EY Lab)
PHA-L
Epa1-Np mutant 1-71
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-Np mutant S230T
Human Galectin-8
WT Galectin-8
CA19-9-2C1
Avelgin-E2
PSA
PSC
HHA(EY Lab)
DC-ASGPR extracellular
hGal-1-488-PBCR
#14 Sialyl Lewis X (Acam)
#8 Lewis B (Acam)
hNK Native
rNK Native
LBL-142
MMA-1A
PNA
PNA
BTL mPNA
hJAA-F11-B11
ACA
ConA
SBA
GSL-I-B4
HPA
GSL-I-A4
LCA
P11 LCA
Mono2R-CNS
NEA
EEL
Mouse NKR-P1C
Gal-3C
RCAI (Vector)
WFA
CTB
PHA-E
MAA(Seikagaku)
PHA-L
PTA-E
WGA
ConA
ConA
Human Galectin-1
Mouse Galectin-1
Chicken-BPL
CA19.9-SC-1
CA19.9-SC-2
HPA
EEA(EY Lab)
AAL
VGA(EY Lab)
Epa1-Np mutant Y-228A
AAL
CGL
MGL 6A-H2-1
MGL
NGA
PTL-I
Thrombin
Lsl-180
Lsl-150
SSBT
#15 Sialyl Lewis X (Bio)
GNL
EXA
AFCNM
CA19.9-121SCE
PSA
VLRB.aGPA-23
WGA
CC1G-100A
Galectin-1
Galectin-1
Apt-LeC
PTA-Gal
ASA
SSL0-CNS
Mono1-CNS
TcFBL2
WGA
WFA (EY Lab)
CSA-1
Mono2W-CNS
GNL
MEL
CnBP
ME5(detected with a-HUD)
LEA
CEA
Sp Serotype 14-2
CMT
CEA
Sa Serotype 1-HUD
ME7(detected with a-HUD)
BPL
AOL (Marbl,Bio)
AAL

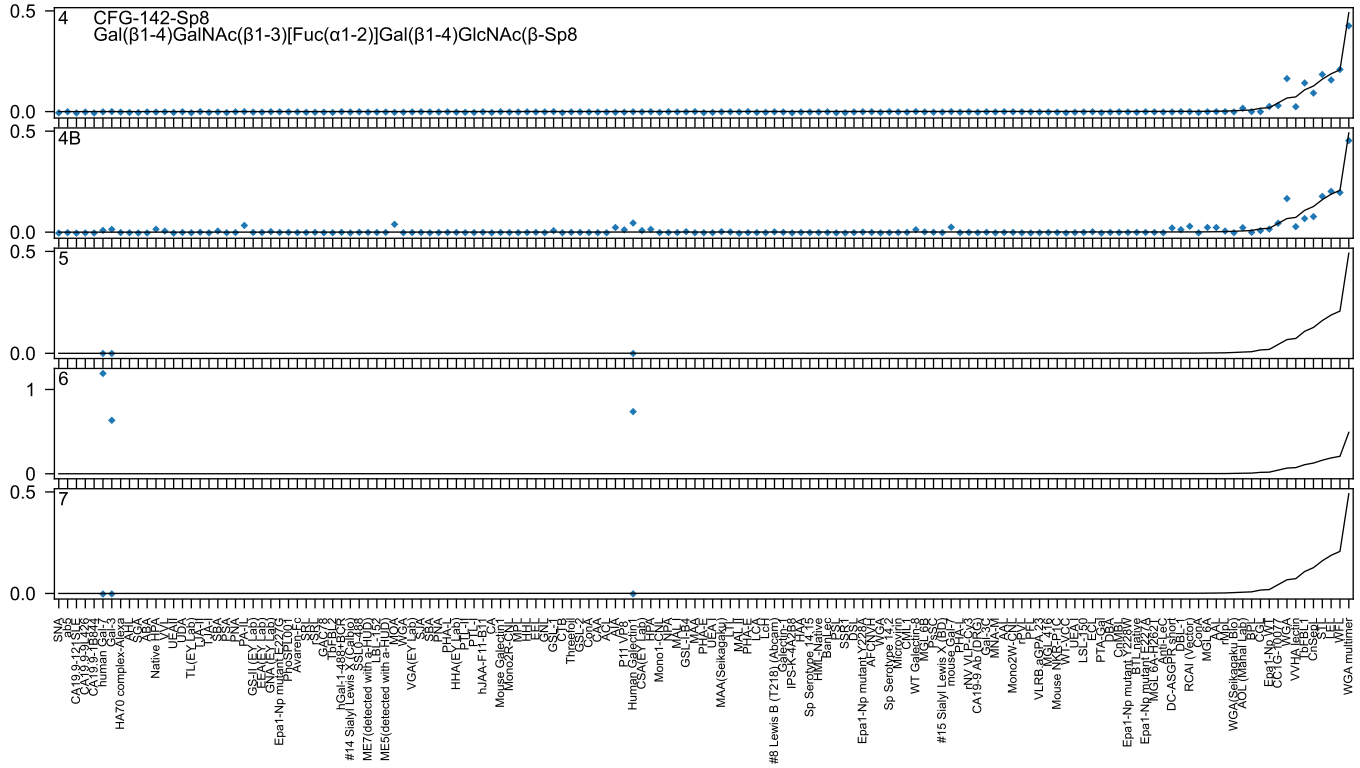

4
CFG-137-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
hJAA-F11-B11
LEA
UEA
HA70 complex-Alexa
AAL
MAA(Seikagaku)
MAL-I
PTA
PTA-Gal
PSL
PTL-I
PTL-II
SBA
UEA-I
PNA
PAA
PAA-L
EEA(EY Lab)
GS-II (EY Lab)
ABA
EEL
VVHA-Jacalin
VoGA
Human Galectin-1
PhoSP-AVA
hGal-1+8+9+BCG
#8 Lewis X (Calbiochem)
Epa1 Np mutant E227A
RCA(Vector)
rNV GS-I-B4
Epa1-Np mutant E227A
IPS-K-47-2B8
CA19-9 Ab
LBL-162
CA19-9 Ab
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E227A
Sp Serotype 14-2
Sp Serotype 14-2
GalNAc
ACL
DBA
WT Galectin-8
Mouse NKR-P1C
UDA
PHA-E
MOA
MGL-160
CA19.9-12-15
UEA
ECA
ConA
PSL
GSA(EY Lab)
MGL-1(EY Lab)
VLRB aGCA-23
Sp Serotype 14-15
GNA (EY Lab)
Epa1-Np mutant Y228W
mouse Gal-7
CA19.9-Thermo
CA19.9-Biosid
#15 Sialyl Lewis X (BD)
Epa1-Np WT
MGL-6B
MGL-6A
HML-Nature
SSL-0488
EAA(EY Lab)
CC1G-10077
Native HPA
Mono2-FBN
VGA(Mono-N)
Human Gal-7
HL (EY Lab)
WFL
Malcrovirin
Galectin-1
Mono2W-CNL
BTL native
P11-VRS
PHA-L
MAA
Mouse Galectin
HHA(Calbiochem)
ConA
Mono2R-VNL
VoGA
DC-ASGPR 9103
PSA
SNA
ME7(detected with a-HLBD)
WGA(Seikagaku)
ConA
CAA
ME5(detected with a-HLBD)
WGA multimer
Anti-Lac
Avarol-Fc
DBL1
BPE
GAC78
AOL (Mahal Lab)
AAL

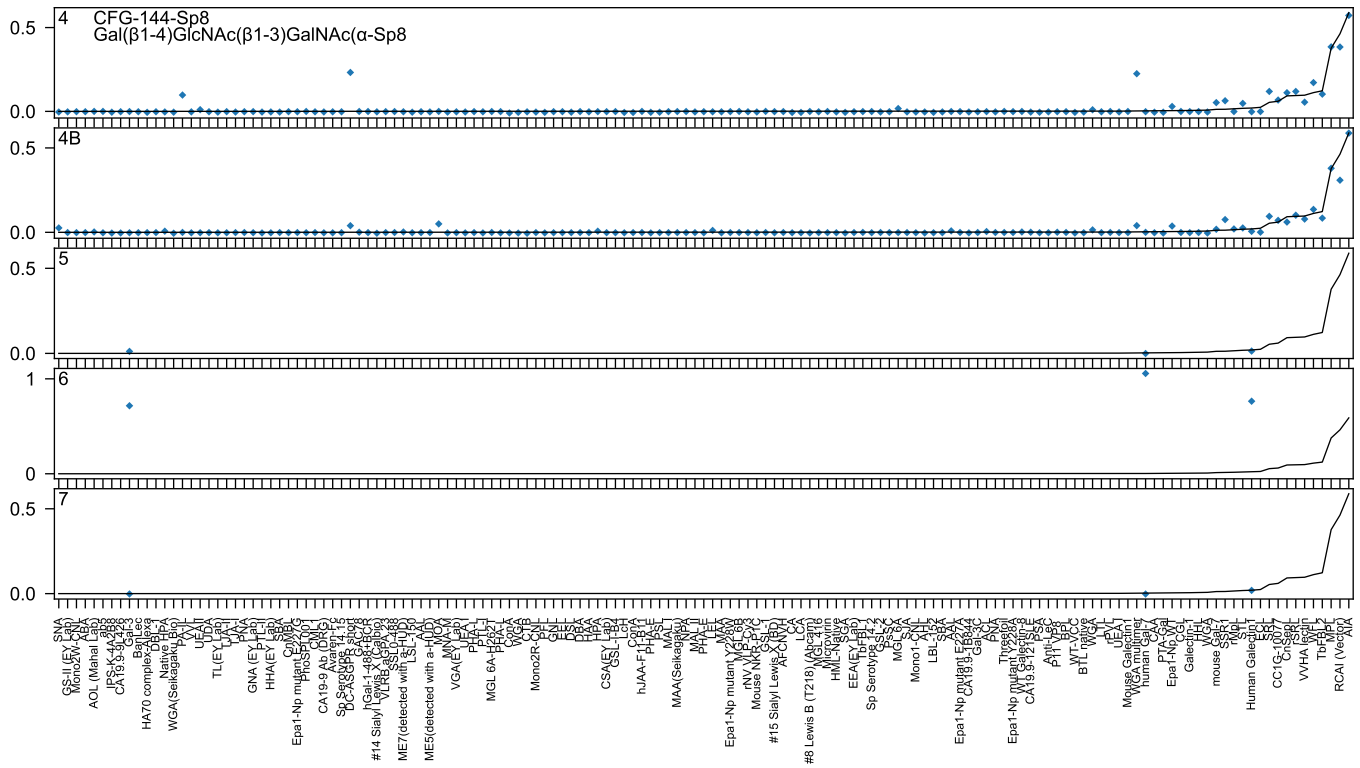

4
CFG-138-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
EEA(EY Lab)
Mono2W-CN
ABA
IPS-K-4-268
Gal-3
VVHA Gal-3
HA70 complex Alexa
DBL-1
Native HPA
WGA(Seikagaku)
LYT
UDA
T-AI
PNA
RCA I(Vector)
GNA(EY Lab)
PTA-Gal
SBA
CrVML
Epa1-Np mutant Y228A
BnSP-07
CA19-9 Alexa
CA19-9 Alexa
Sp Serotype 14, 15
BlyA
MGL(Vector)
ACA
ACN(J)
LBL-192
WT-VCC
MVN
WGA
VGA(EY Lab)
PEA
PNA
hJAA-F11-B1
GSII-3
PTA-E
P11
VGA
DBA
Mono2R-CN
HPA
Mouse NKR-P1A
GSL-I-B4
Mouse Galectin-9
GSL-I
GMA
Human Galectin-1
APA
PHA-E
NPA
CVN
EEL
#15 Sialyl Lewis X (Lab)
Epa1-Np mutant Y228A
HHA(EY Lab)
#8 Lewis B (T218) (Abram)
mouse Gal-7
Mono1D-CN
EJA
CA19-9 G-426
Gal-3C
Epa1-Np mutant E227A
Bat-Tox
DSA
Sp Serotype 14
VLRB.aGPA.23
#14 Sialyl Lewis X (Carbohydrate)
GSII-(EY Lab)
Thrombin
CA19-9 H-1884
MOR-Tox-HRP
GNL
WT Galectin-1
Epa1-Np mutant Y228A
WGA
TULEY Lab)
Galectin-7
CS-1(EY Lab)
CA19-9 E-1
LSL-1
SGA
LGL
CA
PHA
CC1G.10077
MAA(SSL)10488
WGL-68
PTV
TJA-I
HML-N-DBL2
DBL2
MSLSA
human Gal-7
VFA
Microvirin
MAL II
PECL
SRL
rNV VL Fab
Fucy3
abs
NPL
WGA
WGA multimer
CTB
DC-ASGPR-CRD
CAC78
CMCT
AGL
BPL
AOL (Marbal)
BPL-BEL
AAL

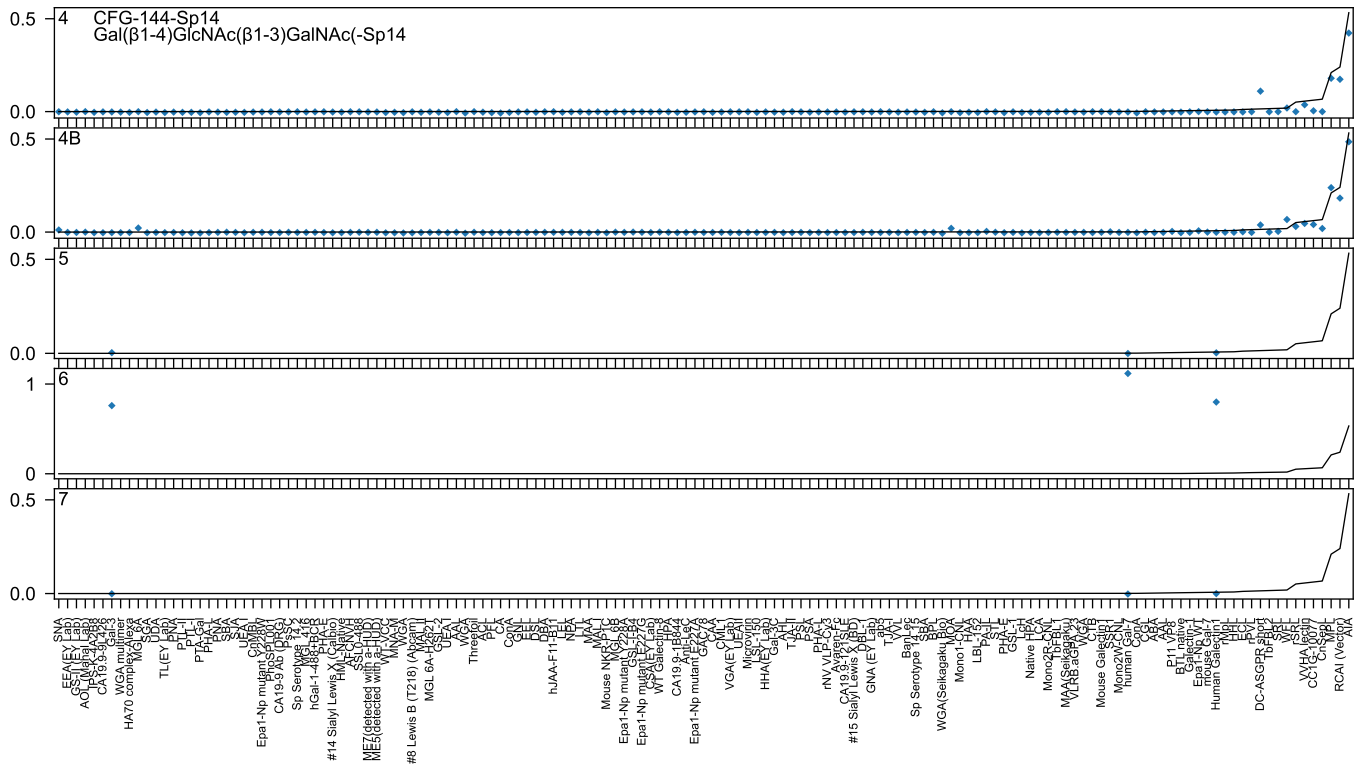

4
CFG-140-Sp0
Gal(β1-4)Glc6OS(β-Sp0
4B
5
6
7
0.0
0.1
0.5
PTL-II
MVA-M
Avaren-Ec
LSL-150
ABA
PA-IL
MAL II
AOL (Marasmia)
PHA-E
SBA
PNA
IPS-K-4-Sp
SSA
ACA
TL(EY Lab)
DSA
UEA-I
VVL
CA19.9-9
hGal-1-486+BCR
WGA(Seikagaku Bio)
MOA
Gal-3
Bauhinia
ME7(detected with a-RUD)
GSL-I-B4
NPA
LBL
AAL
MEA
WGA
Gal-8
C-18
PHA-L
WGA
AIA
Mono1-CNL
Mono2-CNL
CA19.9-1(BRIG)
MOA(Seikagaku Bio)
GSL-I(EY Lab)
PhoSP
PNA
CAA
CHA
BS-I
DBA
WFA
Ore-CNL
GNL
ECA
RSL
CA19.9-18B3
CA19.9-1(BRIG)
#15 Sialyl Lewis X (Calbio)
HNA (EY Lab)
Sp Serotype 14
CSX(EY Lab)
BA
TJA-I
PHA-L
PHA-E
VLRB aggregin
WFA Galectin-8
#8 Lewis B (T218) (Kitagawa)
Sp Serotype 14
PEAI
PEAII
SNA
GSL-I
GSL-II
Mouse NKR-P1B
ACL
Microvilin
UEA-I
CA19.9-121SPE
MAA
MAA
GAC78
IBHBL-1
WGA mutant
ABL
MGL (EY Lab)
MGL 416
#14 Sialyl Lewis X (Calbio)
WFA
CSX
SNA
GNA(EY Lab)
hJAA-F11-B11
HA70 cowpea(EY Lab)
VGA(EY Lab)
ATL
Galectin-1
OGL
PTA-I-Gal
Native PNA
SBL
SSA
MGL
PA-IL
BTL
BTL native
Epa1-Np mutant D277A
P-1(YPB)
P-1(YPB)
SSLO-EGB
Mono2W-CNL
mOL
DC-ASGPR short
Amy-L
PVL
HNA-Native
Human Galectin-7
ME5(detected with a-RUD)
CBP35
DSL
Epa1-Np mutant F227A
Epa1-Np mutant E222A
MAA
Epa1-Np WT
human Gal-7
Epa1-Np mutant E222G
MAA(Vector)
VVHA-Gal1
RCA(Vector)
mouse Gal-7

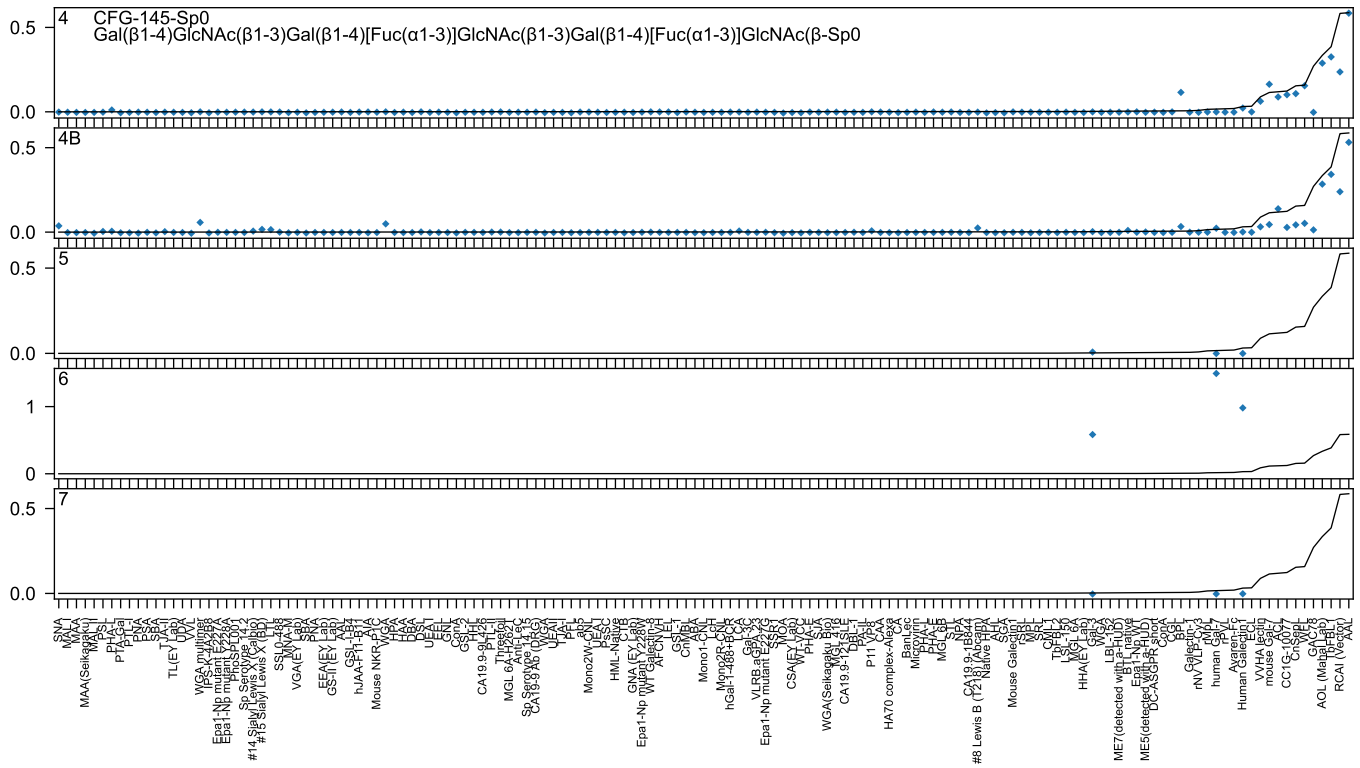

4
CFG-140-Sp8
Gal(β1-4)Glc6OS(β-Sp8
4B
5
6
7
0.0
0.1
0.5
SNA
DBA
HPL
ECL
AFCNOA
PWM
LSL-II
MAL-II
BS-I
PTL-I
UEA-I
SBA
SBA
SBA
UEA-I
PNA
PHA-L
WGA(Seikagaku)
BPL
HA70 complex-Alexa
GNL
#15 Sialyl Lewis X
RCA-I
PhoSPL
MGL-416
GSL-2
Sp Serotype 14
Sp Serotype 14-19
TL(EY Lab)
Sp Serotype 14-23
VGA(EY Lab)
Gal-3C
#14 Sialyl Lewis X
CA19-9-1188
Native HPA
Mono2R
Mouse NKR-P1C
hGal-1-488+DTT
ABA
CA19-9 Ab (DRG)
MOA
CA19.9-121
SLE
Mono2
VLRB.aGFP
VVL
EEA(EY Lab)
HPA
LBL-I
UDA
#8 Lewis B (T218) (Abcam)
SJA
WGA
MNA-M
Morniga
CorA
Avaro
SSA-I
GSL-I-B4
MGL 6-Sulfo
Tricelici
HMA-E
TdPK3
UAA
PNA
WGA multimer
SRL
Mono1
AOL (Mahal Lab)
WT Galectin-3
PEL
LCA
Mouse Galectin1
CA19.9-Alexa
ConMB
MOA-B
LCH
Epa1-Np mutant Y222A
PSA
SCK-42288
GalectinSR1
GS-II (EY Lab)
TdPBL
PHA-E
TdPBL-I
MPA
rNV VLP-Cy3
CGA
P11
UAA
WGA
wt-Mpa
ECL
HHA(EY Lab)
GNA(EY Lab)
SSA-I-488
hJAGL1 native
DC-ASGPR short
Anti-LeB
ME7(detected with a-SUD)
Human Galectin1
MEF(detected with a-SUD)
Epa1-Np mutant Y222A
DBL-1
Epa1-Np mutant Y222A
EGA-N
human Gal-7
Epa1-Np WT
Epa1-Np mutant E227G
MOA-Alexa
WFL
VVA(Vector)
RCA(Vector)
mouse Gal-7

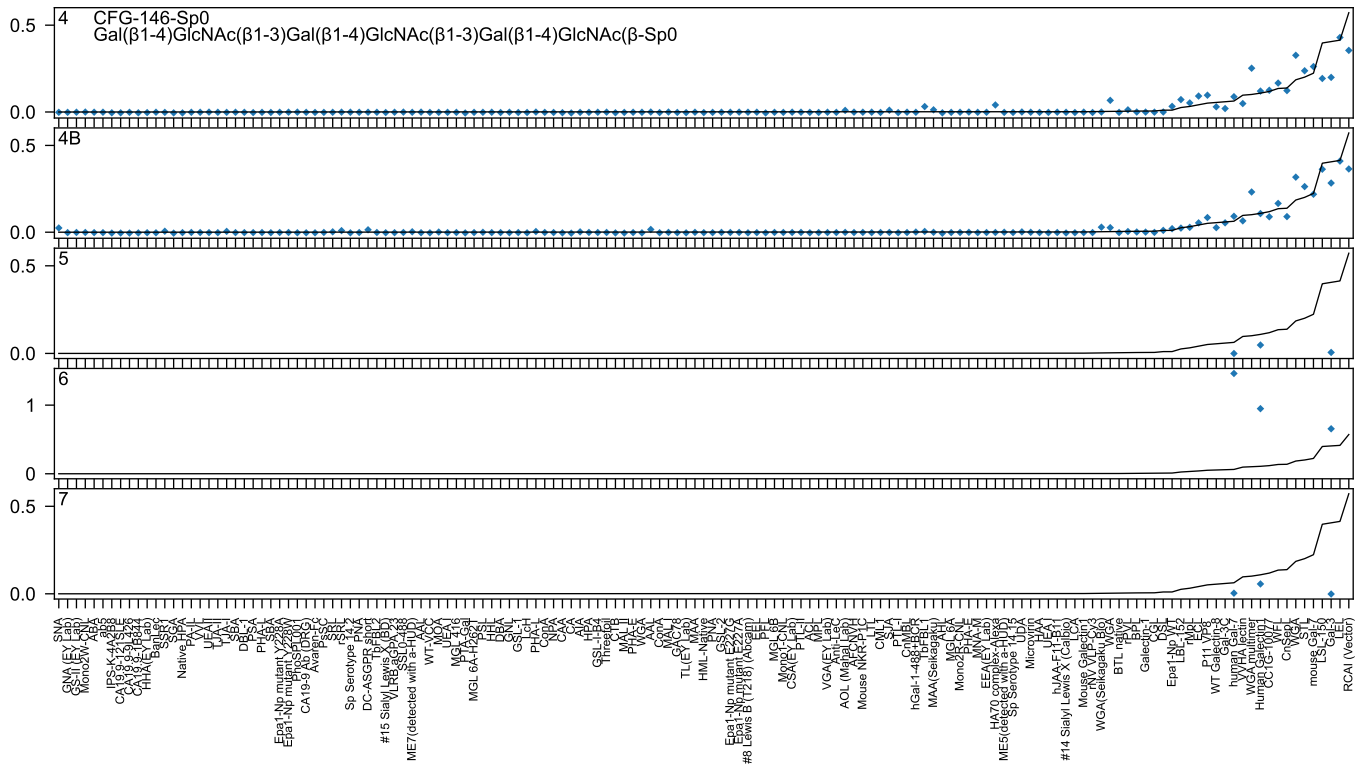

4
CFG-141-Sp8
Gal(β1-4)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
HHA(EY Lab)
GNA(EY Lab)
PNA(EY Lab)
GSII(EY Lab)
ABA
IPS-K-44-288
CA19-9 (21-Sp5
CA19-9 (21-Sp8
PHA-L
mouse IgG
WGA
ACL
Native-HPA
PAA
PAI
VEAII
TL(EY Lab)
MGL-6A
SBA
VGA(EY Lab)
Epa1-Np mutant E227G
BPSP-001
CA19-9 Ab (BRD)
Ave-PSR
SSA
Sa Sialyl Lewis x (BD)
DC-ASGPR ectodomain
MGL-6 (16
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-18) (Abcam)
NV VLP-PCV3
vLRR-SCP-288
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WT-XCC
MVA-M
PUL
hJAA-F11-B11
CIPA
HPA
HAA
DBA
PTA-ECL
LCA
GSL-A
CAA
PNA
P11 VP8
NEA
GSL-I
MAL-I
MAA
UEA-I
Mouse Galectin-1
WFA
ACA
Mono2R-CSF
CNL
MAL-II
MAA(Seikagaku)
AIA
PHA-E
Mono1-PHA-E
rPCA
SJA
PHA-L
MGL 6A-H2627
hGal-1-288-BCR
Microvirin
CSA(EY Lab)
Epa1-Np mutant G226S
GSL-I-B4
Sa Serotype 1
#14 Sialyl Lewis X (BD)
CA19-9 (18-Sp12)
Thrombin
LSL-150
HA70 complex-Alexa
Mono2W-CSF
PTL-II
SSA-I
Epa1-Np mutant E227G
APCNVH
Galectin-3
Mouse NKR-P1C
UEA-I
RCAI (Vector)
rMpl
BTL native
Human Galectin-7
Epa1-Np mutant E227A
human IgG
BPP
Epa1-Np
CMA
DBL-A
PNA
WGA(Seikagaku)
BSL
DSL
GalNAc
AOL (Marine Lab)
ASL
PSL
VVHA lectin
WC Galectin-9
CCL Galectin-9
TbPBL1
CnSepl
SJL
WGA
WGA multimer

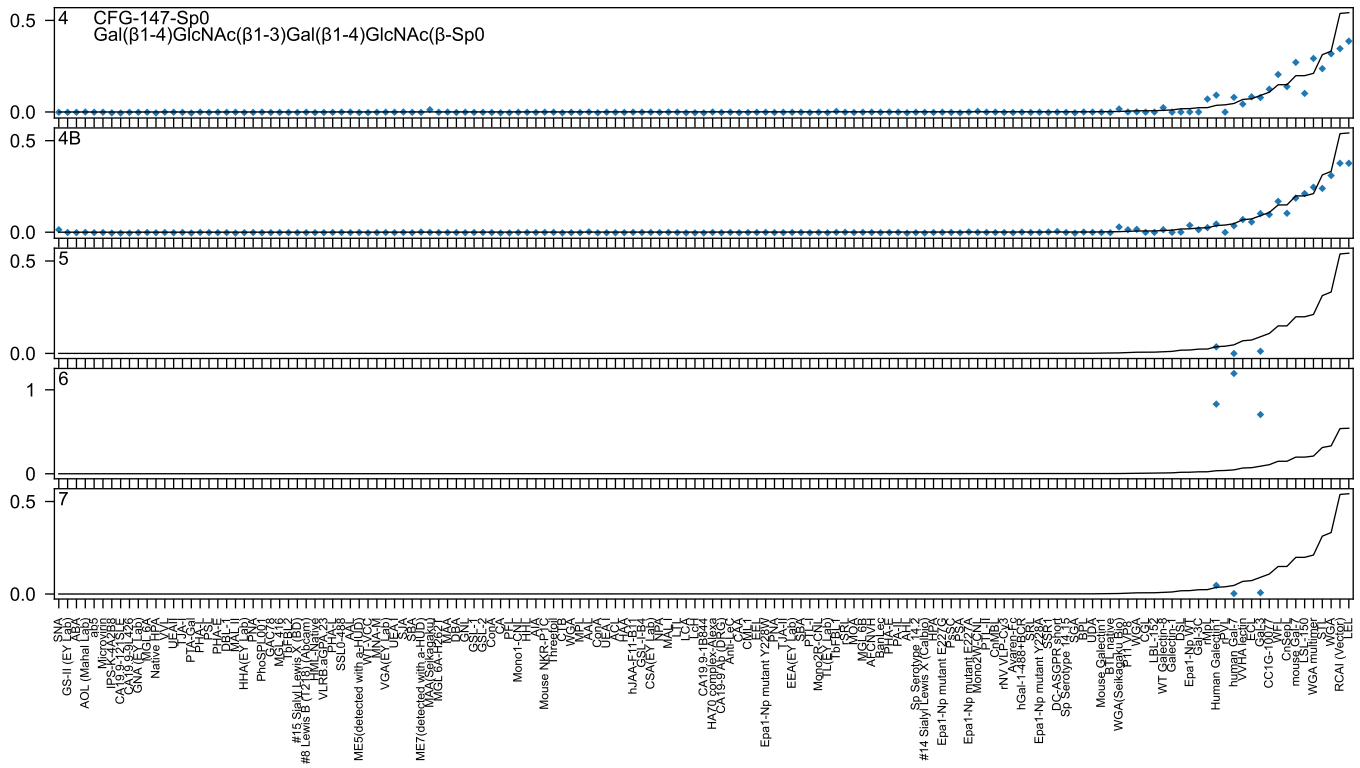

4
CFG-142-Sp8
Gal(β1-4)GalNAc(β1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
CA19.9 (21 SCE
CA19.9 (SCE
CA19.9 (BB42
human Gal-7
HA70 complex-Alexa
SGA
ABA
Native UVA
UEA1
TL(EY Lab)
DAA
SBA
PNA
RCA
PA-IL
GSII(EY Lab)
PEA(EY Lab)
GNA(EY Lab)
Epa1-Np mutant
ProSPD001
Avarelectc
SSA
GNA
GEM 7.2
TJA-II
hGal-1 488-BCR
#14 Sialyl Lewis X SSEA-1 488
ME7(detected with a-HuD)
ME5(detected with a-HuD)
WGA
VGA(EY Lab)
SBA
SNA
PNA
PHA-L
HHA(EY Lab)
PTL-I
hJAA-F11-B11
Mouse Galectin-3
Mono2R-Gal
UEA
ECL
GSL-I
Crib
Thrg
GSL-2
CON A
ACA
AOL
P11 V96
Human Galectin
CSA(EY Lab)
HPA
Mono1-Kit
KIA
MAL
GSL-I
MAA
PHA-E
PHA-L
MAA(Seikagaku)
MAL II
PHA-E
Lch
#8 Lewis B (T218) (Abcam)
IPS-SK-4A2B6
Sp Serotype 14-15
Sp Serotype 14-15
HMA
Native
Barley
SSA
SSB1
Epa1-Np mutant Y228A
AF-CNA
Sp Serotype 14-2
MicCNII
WT Galectin-8
Mouse Galectin-8
#15 Sialyl Lewis X (BD)
mouse Galectin-1
BPA
CA19.9 Ab (DRG)
Gal-3C
MNA-M
Mono2W-CNI
PE
VLRB aGP A23
Mouse NKS-PIC
WT DEA1
LSL-1B
PTA-Gal
DBA
CoPA
Epa1-Np mutant Y228W
Epa1-Np mutant-Native
MGL6A-H2621
DC-ASGPR-Fc
DBL-1
RCAI (Vector)
CorA
MGL6A
WGA(Sigma Lab)
AOL(Kanaji Lab)
BPL
Epa1-Np WT
CCTG-102A
VVHA lectin
DSBL1
CORA
STL
WFE
WGA multimer

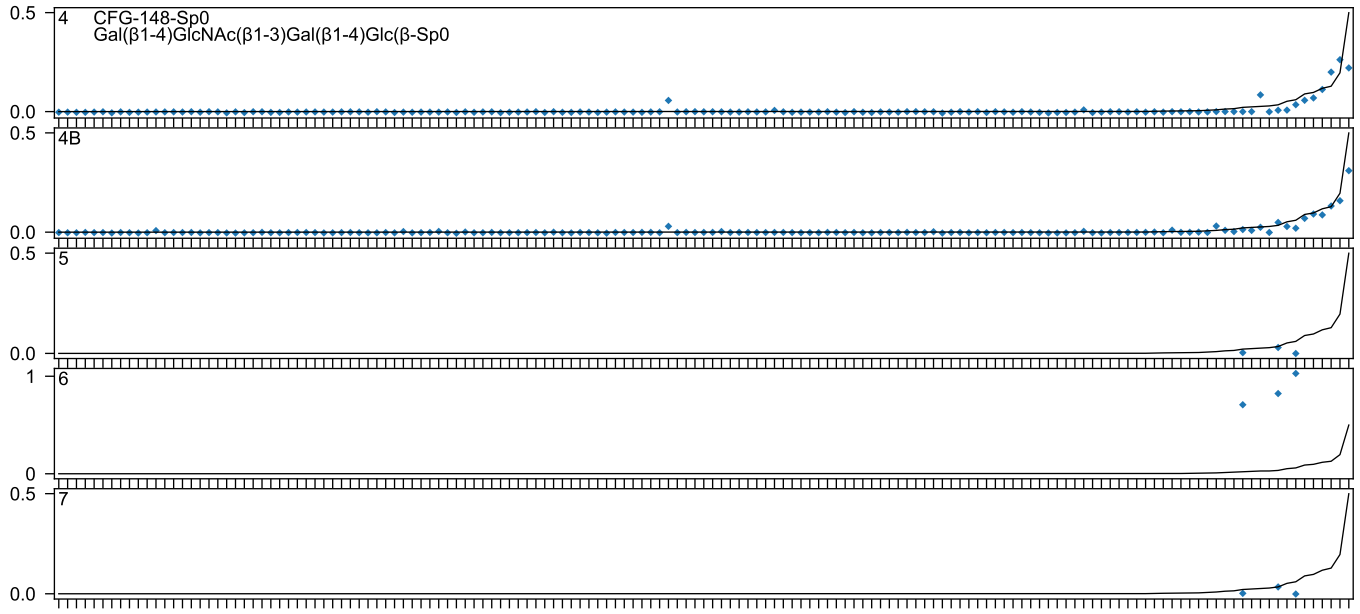

4
CFG-144-Sp8
Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
GS-II(EY Lab)
Mono2W-CNI
ABA
AOL (Mahal Lab)
JRS-K-44-2
CA19.9-9-1298
Gal-3
Bau-3
HA70 complex-Alexa
Native
BPA
WGA(Seikagaku, Bio)
PWM
UEA
TL(EY Lab)
LCA
PNA
GNA (EY Lab)
HHA(EY Lab)
ACA
Con-A
Epa1-Np mutant Y229A
Mono1-CNI
CA19-9 Ab
CNI-1
Ara-6
Ara-5
Sp Serotype 14-15
DC-ASGPR-Fc
GAL8
hGal-1-488-BCR
VVRA agglutinin
SJL-HUBS
LSL-150
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WGA
VGA
VGA(EY Lab)
PHA-L
PHA-E
BPA2
MGL 6A
GNA
CTB
Mono2R-CNI
GNL
DSL
DBA
HPA
CSA(EY Lab)
GSL I-B4
hJAA-F11-B12
PHA-E
MAL
MAA(Seikagaku)
MAL II
PHA-L
MAA
Epa1-Np mutant Y229A
rNV VLP-Cy3
Mouse NK-Fc-Cy3
#15 Sialyl Lewis A (TD)
APCWT
CA
#8 Lewis B (T218) (Abcam)
MGL 418
HM-native
EEA(EY Lab)
Sp Serotype 34-2
BsSK
MGL 6A
Mono1-CNI
LBL-102
SBA
Epa1-Np mutant E227A
CA19.9-1116-B-F
Gal-8
ACL
Trucelon
Epa1-Np mutant Y229A
CA19.9-1216-B-F
FSA
P11-Fc
Anti-Fc
WT-DCC
BTL native
VVL
UEA1
Mouse Galectin1
WGA mutant
human Gal-9
CAA
Epa1-Np Y229A
PTA-Y
CGL
Galectin-1
JFL
Gal-7
mouse Gal-9
SSR1
NGL
Human Galectin1
SSR
CC1G-10077
Orcinol
PSR
VVHA (Vector)
TbFBL2
RCAI (Vector)
AIA

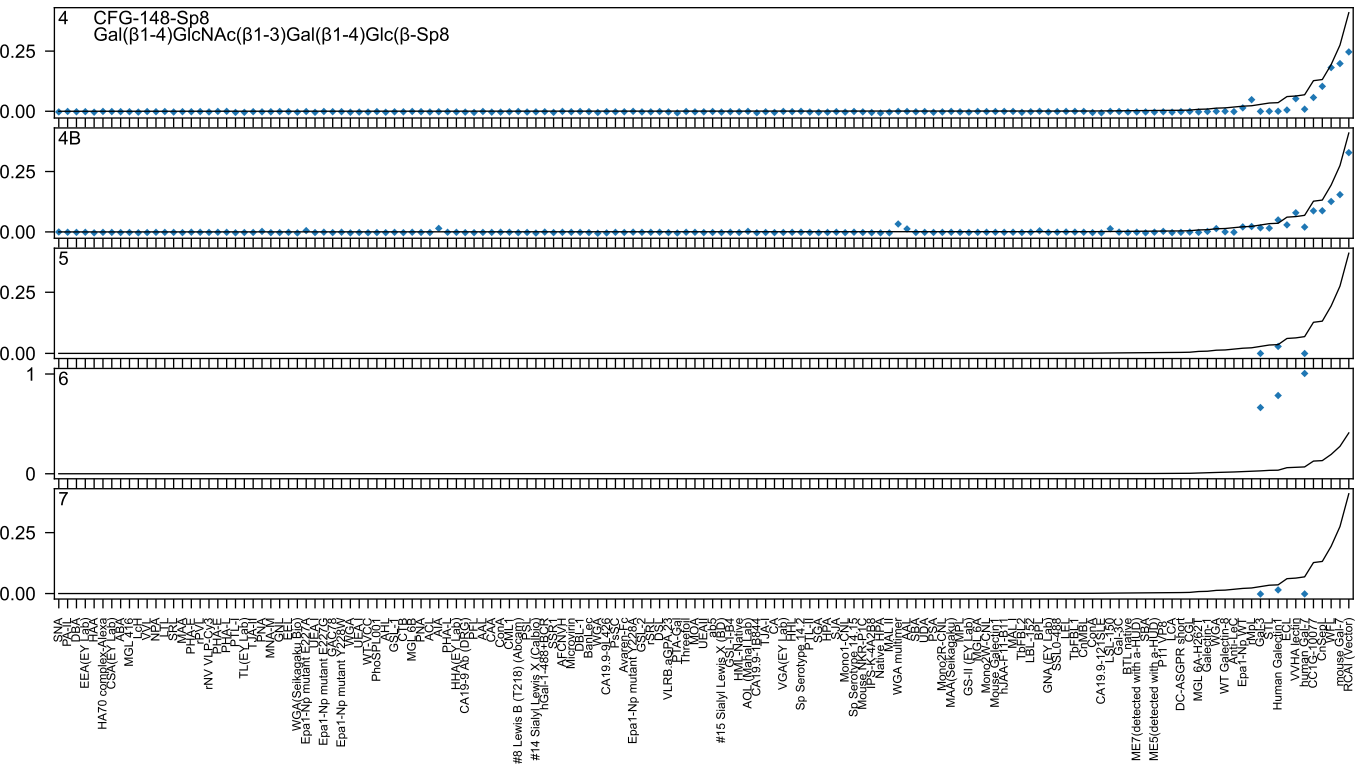

4
CFG-144-Sp14
Gal(β1-4)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
EEA(EY Lab)
GSL-I(EY Lab)
AOL(EY Lab)
PSA(EY Lab)
CA19.9-9-4-23
CA19.9-1-B-288
WGA multimer
HA70 complex
MGL
Lectin
SCA
TL(EY Lab)
PNA
PTL-I
PA-Gal
PNA
STA
UEA-I
Epa1-Np mutant Q228W
Epa1-Np mutant Q228A
CA19-9 Ab
Pro5-F001
Sp Serotype 14
hGal-1-488
hGal-1-488+pCB
#14 Sialyl Lewis X (Calbio)
HM
Native
SSL-O-488
MEI(detected with a-HUD)
MEI(detected with a-
WT-VCC
MWCA
#8 Lewis B (T218) (Abcam)
MGL 6A-H2a1
GBL-2
UEA
VAA
Vicia
Thrombin
ACL
ACA
CA
ConA
EEL
DSL
hJAA-F11-B11
NPA
MAL
MAL-I
MAL-II
Mouse NK-P16
Epa1-Np mutant Q228A
Epa1-Np mutant Q228E
GSL-I(EY Lab)
WT Galectin-1
CA19.9-1-B844
Epa1-Np mutant E222Q
Epa1-Np mutant E222A
GAL-8
CML1
VGA(EY Lab)
Misgovin
HHA(EY Lab)
Gal-3C
TA-1
TA-II
FSA
PHA-L
nNV VP1 Avarez-CF
CA19.9-1-B-TSLE
#15 Sialyl Lewis 2 (BDI)
GNA (EY Lab)
TJA-I
TJA-II
Ban-lec
Sp Serotype 14-25
BPL
WGA(Seikagaku Bio)
Mono1-CNL
LBL
HAA
PaA-IIL
PhA-E
GSL-I
Native HEA
Mono2R-CVN
TbFBL
MAA(Seikagaku)
LCA
Mouse Galectin-1
VGA
Mono2vSSRL
human Gal-7
ConA
ABA
ABA
P11
VP8
Native
Epa1-Np wt
mouse Gal-1
Human Galectin-1
MBL
EEL
PVL
DC-ASGPR
TbFBP2
SNA
SSL
SSL
VVHA (6070)
CCTV (6070)
CnSL
RCAI (Vector)
AIA

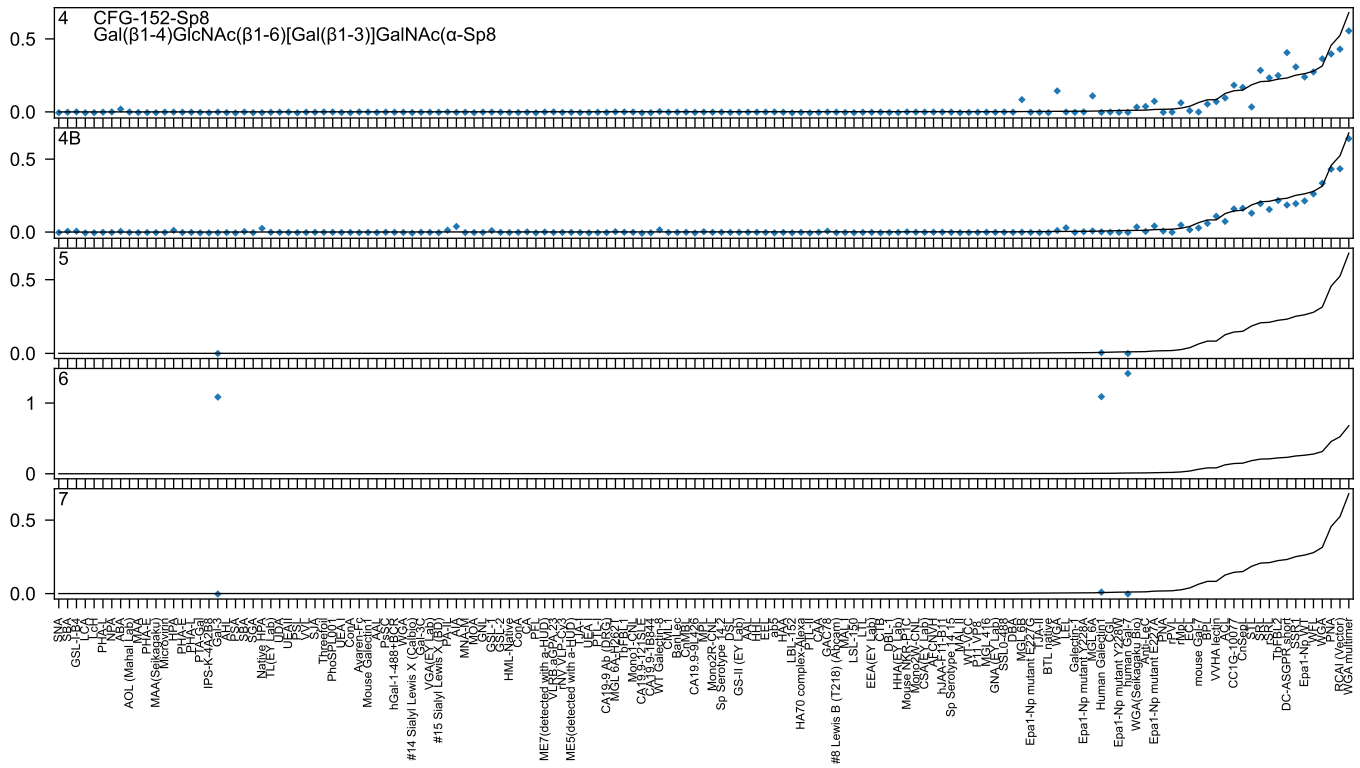

4
CFG-145-Sp0
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
MAL
MAA
MAA(Seikagaku)
PSL
PHA-L
PHA-Gal
PHA-E
ECA
ESA
STA
TJA-I
TL(EY Lab)
UVL
WGA mutant
WGA mutant E222A
Epa1-Np mutant E222A
Epa1-Np mutant S106A
Epa1-Np mutant T108A
Sp Serotype 14.2
#14 Sialylated Lewis X (BD)
#15 Sialylated Lewis X (BD)
SSLO-Fuc
MNA-N
VGA(EY Lab)
PNA
PNA
EEA(EY Lab)
GSII(EY Lab)
ABL
GSL-I-B4
hJAA-F11-B11
Mouse NKR-P1A
WGA
HPA
DBA
UEA-I
ECL
GNL
CA19.9-9L428
Thy1(CD90)
MGL 6-H262
CA19.9 Ab (Lab)
Sp Serotype 14.15
CA19.9 Ab (DSHB)
UEA-I
PAL
PAL
Mono2W-CD14
HML-NsdC
CTB
Epa1-Np mutant
WFL(Fc 2-180)
Galectin-8
APCN-LE
GSL-I
CnBP
ABA
Mono1-CD14
Mono2R-CD14
hGal-1-488+PCA
VLRB.aGal-3C
Gal-3C
Epa1-Np mutant E222G
SSA
CSA(EY Lab)
WFL(Fc)
PJ1-A-E
WGA(Seikagaku)
SUA
CA19.9-12SLE
P11
VCA
HA70 complex-Alexa
BanLec
Microvin
PHA-E
MGL-GB
NPA
CA19.9 Ab
#8 Lewis B (12-21) Ab
Native FDA
SGA
Mouse Galectin1
NIBP
SNT
CFBL2
TdFBL2
MG-1-A
HHA(EY Lab)
VRA
LBL-1-B5
BT1 native
Epa1-Np (LD)
ME7(detected with
ME5(detected with
DC-ASGPR
shot
COA
BP
Galectin1
nV-VLP-Cy3
human Galectin-7
AIA
PAV
Human Galectin-7
VVHA
ECL
mouse Galectin-7
CC1G-1047
CnBP
GAC-8
AOL (Maba Lab)
RCAI (Vector)
AAL

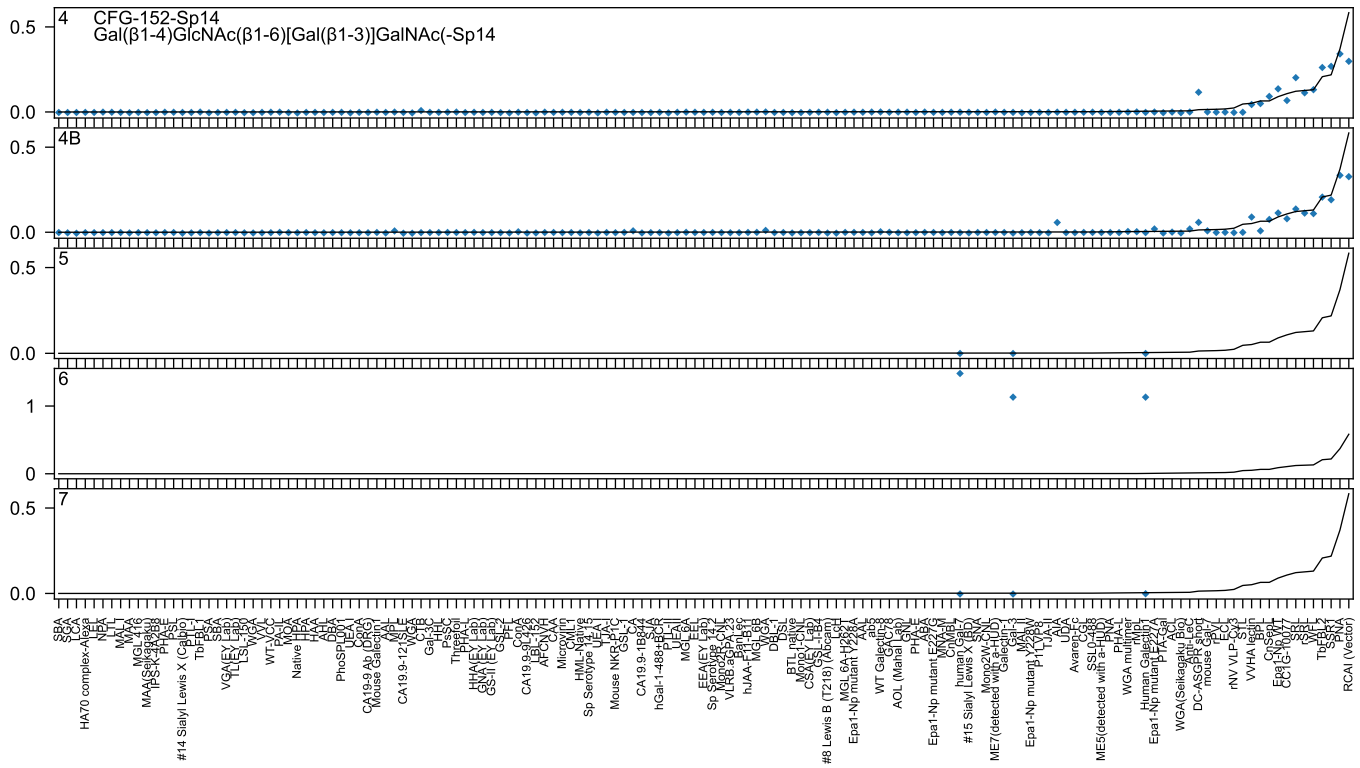

4
CFG-146-Sp0
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
GNA (EY Lab)
GS-I (EY Lab)
Mono2W-ABA
ABA
IPS-K-44
ABS
CA19-9 (21SCE
CA19-9 (19A9)
CA19-9 (19B22
HHA (EY Lab)
Basley
Native
SGA
PAA
UEA-I
UEA-II
LCA
VSA
DBA
DBL-1
PHA-L
PHA-E
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
CA19-9 (DRG)
CA19-9 (DRG)
Avaglin-EC
Avaglin
PSA
SBA
SSA
Sp Serotype
PNA
DC-ASGPR
SBA
#15 Sialyl Lewis X (BD)
VLRB-Sp0-488
ME7(detected with a-HUD)
WT-VDA
UMA
MGL 416
MGL 6A-Fc-Gal
MGL 6A-Fc-Gal
BSL
DBA
SNL
GSL-I
PHA-L
PHA-E
CAA
NPA
CAA
AIA
AIA
GSL-I-B4
Threspin
MAL II
PWM
AAL
AAL
MAH
GALT8
TL(EY Lab)
MAA
HML-NBW
GSL-I
Epa1-Np mutant E227A
Epa1-Np mutant E227A
#8 Lewis BT(T218) (Abcam)
EEL
EEL
MGL
Mono2S-CNL
MGL-RB
CSA(EY Lab)
PTL-I
MPL
VGA(EY Lab)
Anti Lewis X
AOL (Matsu Lab)
Mouse NKR-P1C
CNLL
SVA
PNA
CnMB
hGal-1-488-HGR
hGal-1-488-HGR
MAA(Seikagaku)
MGL
Mono2S-CNL
MVA-A
EEA(EY Lab)
HA70
ME5(detected with a-HUD)
Sp Serotype
UEA-I
Microvirin
UEA-I
hJAA-F11-B11
#14 Sialyl Lewis X (Calbio)
Mouse Galectin1
WGA(Seikagaku Bio)
WGA
BTL mouse
PBVF
Bp-T
Galectin-1
CGL
Epa1-Np Y97
LBL-152
DSL
DSL
P14-VHS
WT Gal1-VHS
Gal-3C
hWWA lectin
WWA lectin
WGA multimer
Human Galectin-7
BC1-GP-0077
WFL
CnWGA
WGA
Gal-7
mouse Gal-7
LSL-150
GalE
RCAI (Vector)

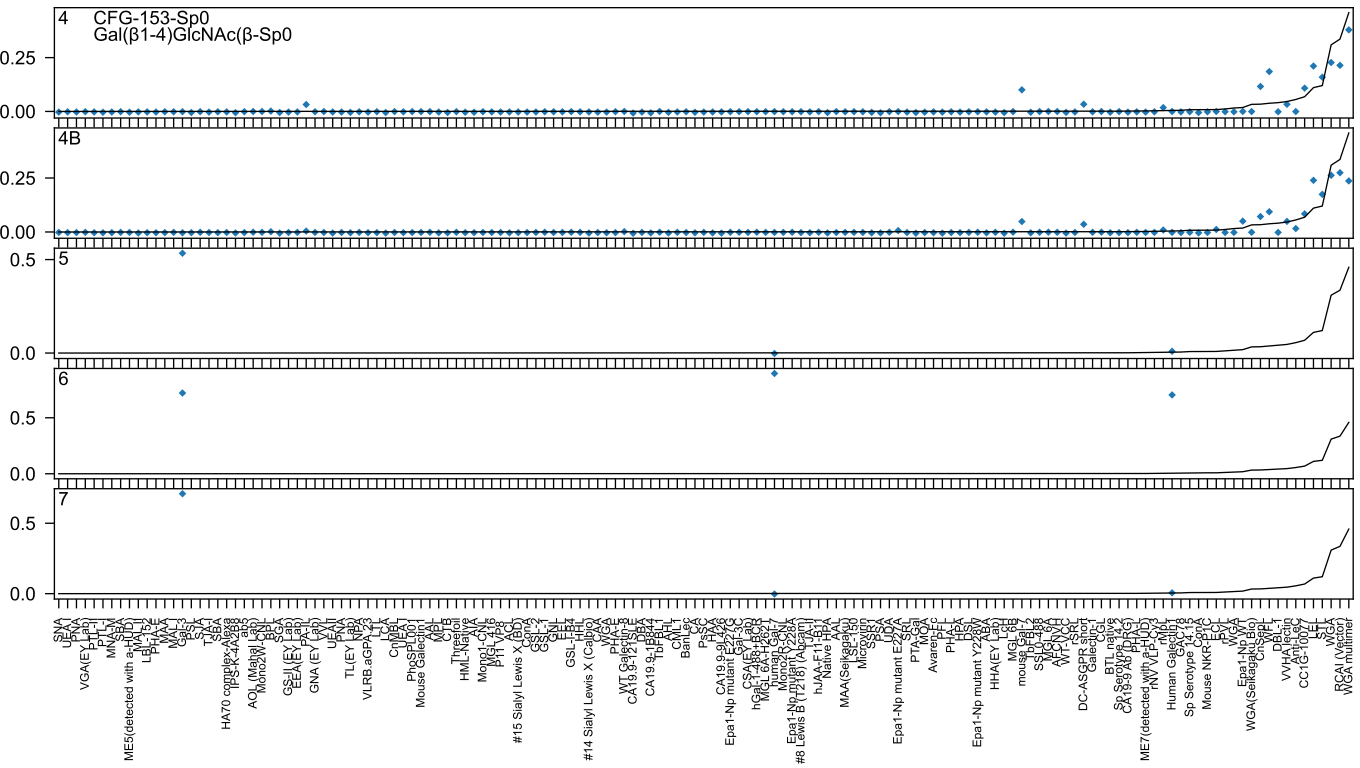

4
CFG-147-Sp0
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
ABA
AIA
AOL (Marfat lab)
IPS
Microvibin
CA19.9-21SPE
CA19.9-1426
CAM (EY Lab)
MGL-8A
UEA
UEAI
PTA-Gal
PHA-L
PHAS
PHA-E
DSL-I
HHA(EY Lab)
PhoSPL001
MGL-6A
GNA
PhoSPL002
DBA
#15 Sialyl Lewis X (BD)
#8 Lewis B (VC Lab)
LMI-Naive
VLRB.a-PA23
SSL0-488
ME5(detected with a-HUD)
WFA
WAGA
VGA(EY Lab)
UEA
SBA
ME7(detected with a-HUD)
WGA(Seikagaku)
MGL 6A-HP267
VGA
GSL-2
CorA
PNA
PHL
Mono1-PNA
Threpolg
Mouse NKR-P1C
VCB
MPL
VVL
CorA
UEA1
HAA
hJAA-F11-B4
CSA(EY Lab)
MAL-I
LCA
LCI
CA19.9-1B844
HA70 (CRG)
CA19.9-Ab (CRG)
AmCAX
CML-1
Epa1-Np mutant Y228W
PNA
TJA-I
EEA(EY Lab)
PSA
Mono2R-CNL
TL(EY Lab)
ISRS
MGL-6B
ACG-NH
BPL-E
PHA-E
FAP
#14 Sialyl Lewis X (Calbiochem)
Sp Serotype 14.2
Epa1-Np mutant E225G
PSA
Epa1-Np mutant E225A
Mono2-PNA
PHL
rNV VP-Gp3
hGal-1-488nm
Epa1-Np mutant Y228A
DC-ASGPR short
Sp Serotype 14.2
DSL
BPL
Mouse Galectin1
B11 (naive)
WGA(Seikagaku)
p11 VP8
VGA
LBL-152
WT Galectin-1
Galectin-1
DSL
Epa1-Np wild type
Gal-3C
Human Galectin1
NPT
PVL
Fasciin
IVWA lectin
ECL
CC1G-10877
WFL
CoCL
mouse Gal7
LSL
WGA mutant
WSL
RCAI (Vector)
LEL

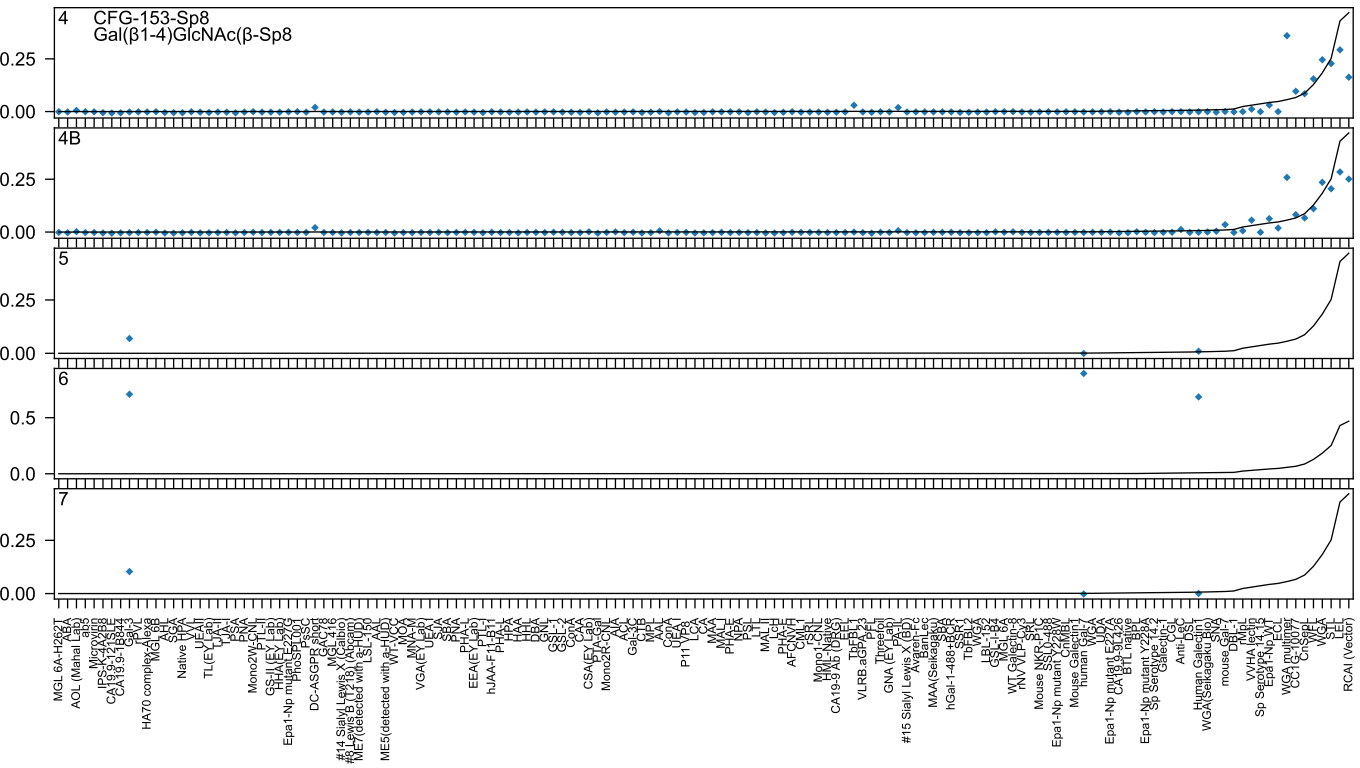

4
CFG-148-Sp0
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
MAL-I
WT-XG6
ME5(detected with a FUT
PTA
AAL
SBA
MAL
HML-Native
WGA
NPT
PNA
VGA(EY Lab)
CA19.9-9-2
CA19.9-9-2
IPS-K-4x288
AOL(Matsal Lab)
GS-II(EY Lab)
SAA
GNA(EY Lab)
HHA(EY Lab)
PHA-L
PHA
UEA
UDA
Bandeiraea
#15 Sialyl Lewis X (BD)
#8 Lewis B (72-18)
GSL-I-B4
LCA
ACL
Mouse NK
PSA
CTB
GNA
CA19-9 Ab (DRG)
PhoSL(EY)
Epa1-Np mutant E227Q
UEA
MGL 418
Sp Serotype 14-2
CSA(EY Lab)
HAA
HPA
PEA
#14 Sialyl Lewis X (Calbio)
GSL-I
GSL-2
hGal-1-488+BCR
WGA multimer
Avenin
ACN(Y)
Thrombol
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
Sp Serotype 14-15
Microcell
SGL-188
SLO-188
CAA
rNVP1-CN
rNVP1-CN
UEA1
ME7(detected with a FUT
MAL-I(LD)
RSA
VLRB.aCBA23
SSA
CML-1
Epa1-Np mutant Y228A
PHA-L
HA70 complex
DC-SIGNR specd
CA19.9-12
SNA
PAL
VVA
VVA
TL(EY Lab)
hLeA(EY Lab)
LEA(EY Lab)
SRL
MAA(Seikagaku Bio)
Monoclonal CNU
Native ABH
LCA
ECL
PSL
BPL
WGA(Seikagaku Bio)
Mouse Galectin-1
DSL
LBL-52
Monoclonal Y-0
BTL
BTL-Helix
LEL
Galectin-3
Galectin-1
Galectin-3C
Galectin-1
Amphi-EX
Epa1-Np WT
WT Galectin-3
STL
rPOL
Human Galectin-1
human Gal-7
CCTA(Bio-Rad)
Cn-SepL
mouse Gal-7
RCA(Vector)

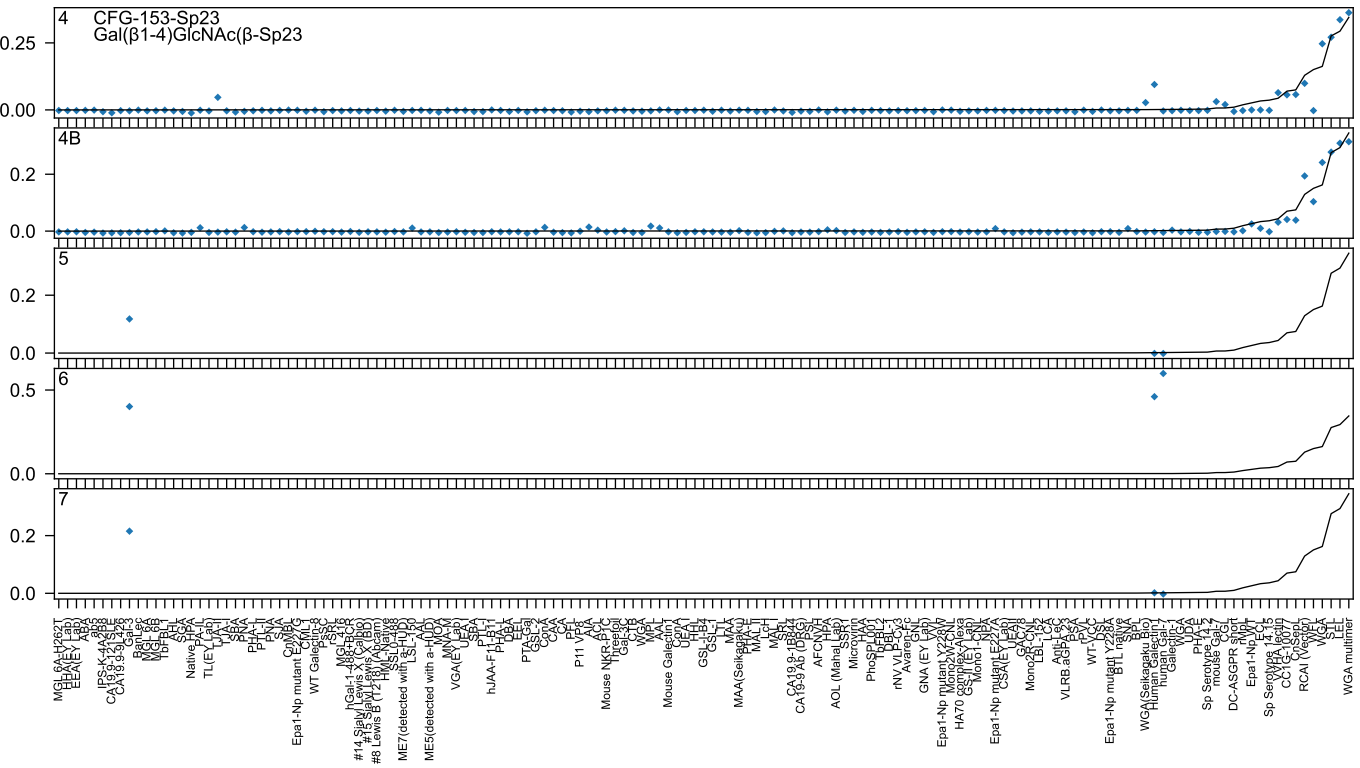

4
CFG-148-Sp8
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.25
0.00
1
0
SNA
PNA
DBA
HPA
EEA(EY Lab)
HAA
HA70 cornbrier-Alexa
CSA(EY Lab)
ABA
MGL 416
VVL
NPA
SBL
SRL
PHA-E
PHA-L
rNV VLP-FV3
PHA-E
PHA-L
TL(EY Lab)
TJA-I
PNA
MNA-M
MNA-N
EEL
WGA(Seikagaku Bio)
Epa1-Np mutant Y228V
UEA1
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
UEA1
WGA(Lectinity)
PhoSL(Lectinity)
AHL
GSL-I-B4
MGL-BB
ACA
AIA
PL-A
HHA(EY Lab)
CA19-9 AB (DSF)
DSL
AAL
CoA
CNL1
CNL2
#8 Lewis B (T218) (Abcam)
BSL
#14 Sialyl Lewis X (Abcam)
NGAI-1 (Abcam)
SSA1
MPL
CNVH
Mono1-CNL
DBL1
BauHX
CA19-9-Alexa
ASL
Avarol-FC
Epa1-Np mutant G227S
GSL-I
RSL
VLRB aGPC
PTA-Gal
Thrombin
MOA
UEA1
#15 Sialyl Lewis X (BD)
HL-Sialidase
AOL (Mahal Lab)
CA19.9-FITC
PNA
CA
VGA(EY Lab)
Sp Serotype 14-7
Sp Serotype 14-7
PSA
SGA
SVA
Mono1-CNL
Sp Serotype 14-7
Mouse IgG1-FITC
NKR-P1C
Sialic-4-FBS
Native
MAL II
WGA multimer
SBA
PSA
PSA
Mono2R-CNL
MAA(Seikagaku)
WPL
GS-II (EY Lab)
Mono2W-CNL
Mouse IgG1-PE
Mouse IgG1-APC
NKA
MAL-I
LBL-152
TEL-152
BP
GNA(EY Lab)
SSL0-488
TBP-BLT
CNMB
CA19.9-121SLE
LSL-150
LSL-152
BTL native
ME7(detected with a-HUD)
ME5(detected with a-HUD)
PH1
YCA
DC-ASGPR short
MGL 6A-H2621
Galectin-4
WT Galectin-8
Epa1-NP WT
OMPL
GNL
STL
Human Galectin1
Lectin
VVHA lectin
Human 10017
CCL2-Fc
Cn-Sepl
mouse Gal-7
RCAI (Vector)

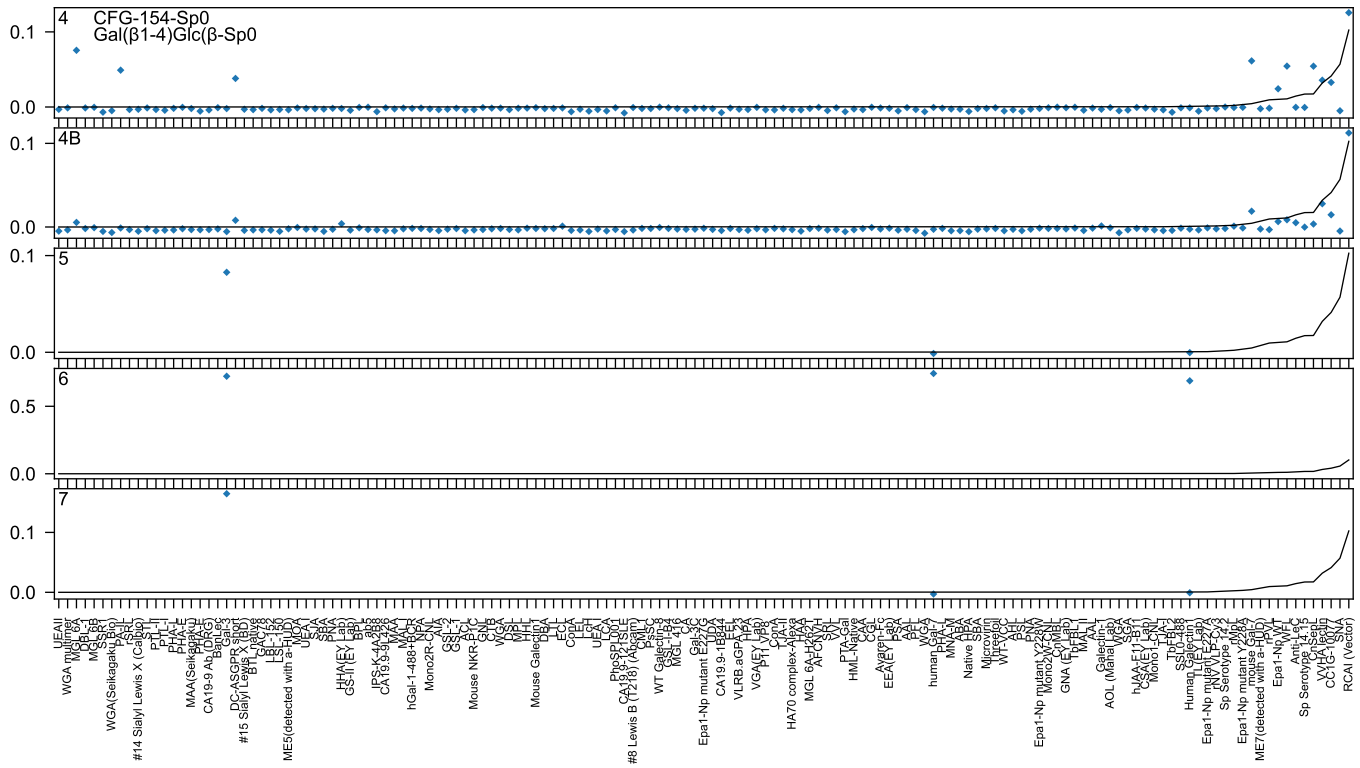

4
CFG-152-Sp8
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SBA
GSL-I-B4
LCA
PNA
ACL
ABA
AOL (Mahal Lab)
PHA-L
PHA-E
MAA(Sialoglycan)
WFA
HPA
PHA-E
PHA-L
IPS-K (Lab)
Gal-3
BPL
SBA
ABA
HPA
Native HPA
TL(EY Lab)
UEA-I
EAH
FSL
SJA
Thomsen-Friedenreich
PhoSPH-mono
UEA
Avarol-Fc
Mouse Galectin-1
PSA
hGal-1-488 (BCA)
#14 Sialyl Lewis X (Calbiochem)
VGA(EY Lab)
#15 Sialyl Lewis X (BD)
AIA
MNA-M
GNL
GSL-2
HML-Native
CoA
ME7(detected with a-HD)
ME5(detected with a-HD)
LEA
PEC
CA19.9 Ab (DSG)
MOLM-13 (ATCC)
TcPBP-1
Mono2R-1
CA19.9-1-SNL
CA19.9-1-B844
WT Galectin-1
Banana
CA19.9-9-U-428
Mono2R-2
Sp Serotype 14-2
GS-II (EY Lab)
AOL
EEL
ABS
H-1
LBL-152
HA70 complex-Alexa
PNA
CAA
#8 Lewis B (T218) (Abcam)
LsM-1
LTL
EEA(EY Lab)
DBL-1
HHA(EY Lab)
Mouse NKR-P1C
Mono2V-CNL
CSA
AEA(NOF)
NuAA-F-11
Sp Serotype 14-1
MAL II
A11 Vicia
MGL-416
GNA-488
SSL-O-488
DBA
MGL
Epa1-Np mutant E227G
JAC-II
BTL
WGA
Galectin-1
Epa1-Np mutant Y228A
Human Galectin-1
Epa1-Np mutant Y228G
WGA(Seikagaku Biq)
Human Gal-7
Epa1-Np mutant E227A
FVA
mouse Gal-7
VVHA (Bio)
CC1G-1-488
Cnidaria
SJL
SRL
TKA
DC-ASGPR
FBL2
SSBT
Epa1-Np
WEL
VGA
RCA I (Vector)
WGA multimer

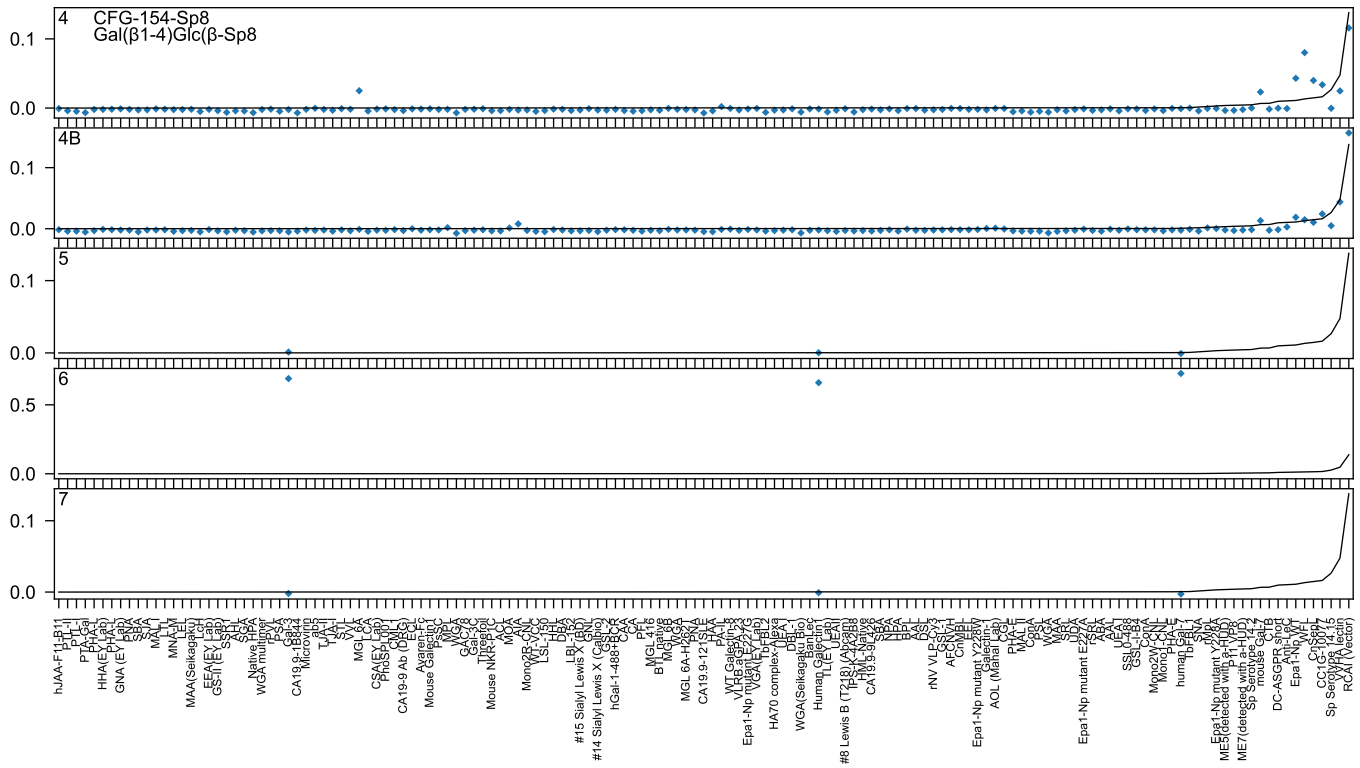

4
CFG-152-Sp14
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SBA
SGA
LCA
HA70 complex-Alexa
NEA
NDA
MAL1
MAL2
MGL1
MAA(Seikagaku)
PS-K(Seikagaku)
PHA-E
PSL
#14 Sialyl Lewis X (Calbio)
TbB-1
SBA
VGA(EY Lab)
LSL-1(B)
VVA
WT-ACC
MOA
Native HPA
HAA
GNA
DBA
PhoSPLO1
EEA
CCRA
CA19-9 Ab (ORG)
Mouse Galectin-1
AIA
CA19.9-12(SLE
WGA
Gal-3C
Gal-1C
PNA
PSS
Thiogloi
EVA-1
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
GS-I
PFE
CA19.9-9
CA19.9-126
APC-102
AIA
CAA
MicroWIT
HML-Native
Sp Serotype
UEA1
Mouse NKR-P1c
GSL-I
CA19.9-19
VLRB alpha
SNA
hGal-1-489
PC-1
MOEA
EEL
EEA(EY Lab)
Sp Serotype
Monoclonal
VLRB alpha
hJAA-F11-B11
MGL-8
DSL-1
DBL-1
BTL naive
CSA(EY Lab)
GSL-I-B4
#8 Lewis B (T218) (Acacia)
MGL-6A-H2861
Epa1-Np mutant Y228A
AAL
ABA
WT Galectin-1
GAC78
AOL (Mahal Lab)
PHA-L
PHA-E
Epa1-Np mutant E227G
MNA-M
MNA-H
human Galectin-7
#15 Sialyl Lewis X (BD)
Mono2W-CD3
ME7(detected with Galectin-1)
Gal-1
Epa1-Np mutant Y228W
p1-1-Fc
UEA1
AIA
Avarelin
UEA
ME5(detected with a-HUD)
SSL(D)
CGB
PHA-L
PHA-E
WGA multimer
Human Galectin-1
Epa1-Np mutant E227A
PTA
ACA
WGA(Seikagaku Bio)
DC-ASGPR short
mouse Galectin-7
ECA
rNV VLP
SNA
VVHA (gell)
CGB
CoSepL
Epa1-Np WT
CCR10-Fc WT
SSL
GNA
TbB-1
SGA
PNA
RCAI (Vector)

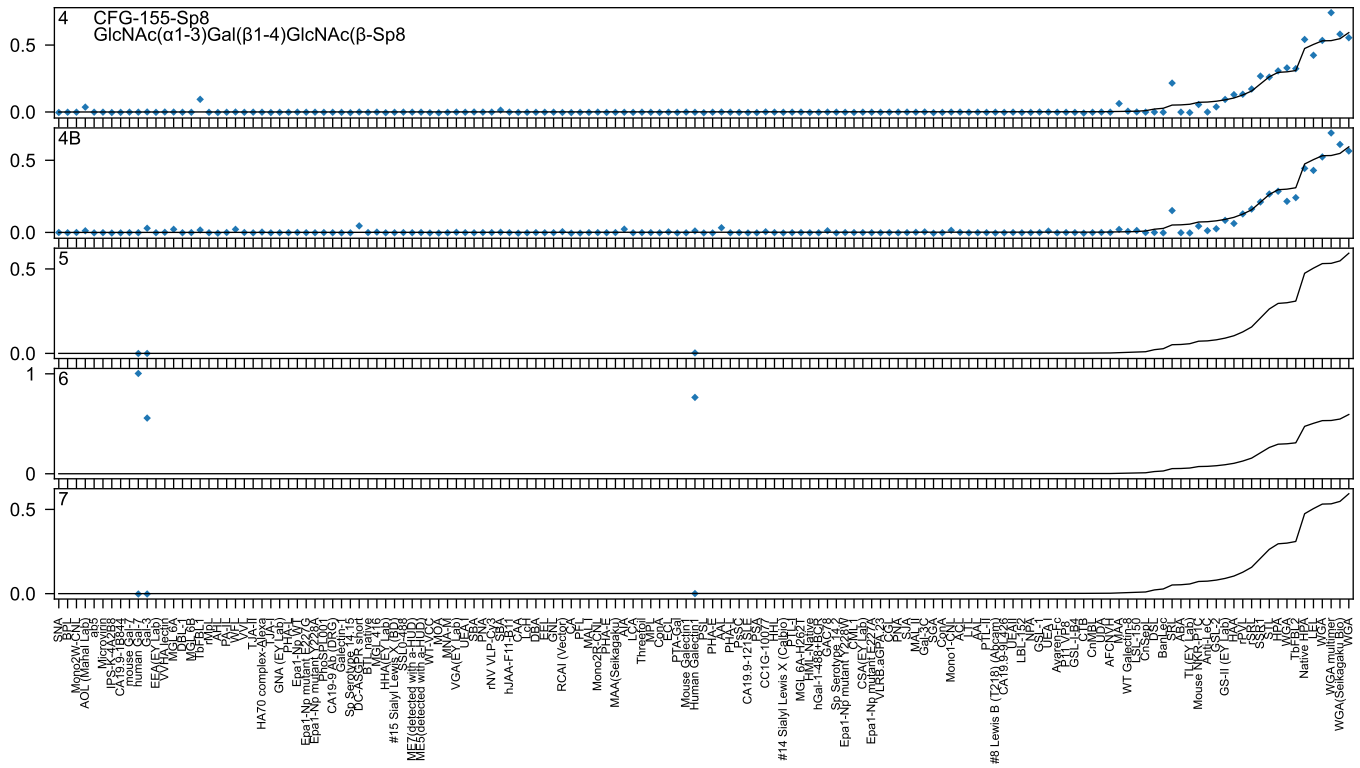

4
CFG-153-Sp0
Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
UEA
PNA
VGA(EY Lab)
PTL
MPA
SBA
ME5(detected with anti-HUD)
LBL-152
PHA-L
WFA
MAL-I
GNL
BS-I
SVA
TJA-I
SBA
HA70 complex
ABA
aOS
AOL (Matyal Lab)
Monza (W. Lab)
SBT
SJA
GS-II (EY Lab)
EEA(EY Lab)
PAL
GNA (EY Lab)
UEA-II
UEA-I
PNA
TL(EY Lab)
NPA
VLRB.aGPA.23
LCA
CNA
MOR
PhoSPLec
Mouse Galectin-1
ACG
MOR
CEB
Threefoil
HML-Naive
VA
Mono1-CNL
BYL-128
#15 Sialyl Lewis X (BC)
ConA
GSL-2
GNL
GSL-I-B4
HHL
#14 Sialyl Lewis X (Carbo)
ACA
WGA
PCL
WGE
WT Galectin-8
CA19.9-12/DSA
SBA
CA19.9-1B844
TBP-BH
CML1
BanLec
PSA
PSAX
CA19.9-9/1116
CA19.9-1116
Epa1-Np mutant E2-C
CSAE(EY Lab)
hGal-1 (Sigma)
hGal-8A-H2627
Human Gal-7
Mouse Gal-7
Epa1-Np mutant Y228A
#8 Lewis B (T2128) (Acram)
hJAA-F11-B1
Native AAA
MAA(Seikagaku)
Microvigin
SSA
UDA
Epa1-Np mutant E2-S
PTA-Gal
MOA
Avaren-Fc
LF
PHA-E
HPA
Epa1-Np mutant Y228V
ABA
HHA(EY Lab)
HPA
MG
mouse-Gal-6
hPBL-2
SJA-488
ACA
APCNVH
WFL-rSR
DC-ASGPR short
Galectin-7
CGL
BTL-native
Sp Serotype 1
CA19-9 AB (DRG)
rNVCEP-Cy3
ME7(detected with anti-HUD)
Human Galectin-1
GAL-18
Sp Serotype 2
ConA
Mouse NKR-P1C
PVL
MOR
WGA
Epa1-Np WGA
WGA(Seikagaku Bio)
Chitinase
VVL
DBL-1
VVHA-Hep
Anti-LeC
CC1G-100/2
ZEA
STL
WGA (Vector)
RCA I (Vector)
WGA multimer

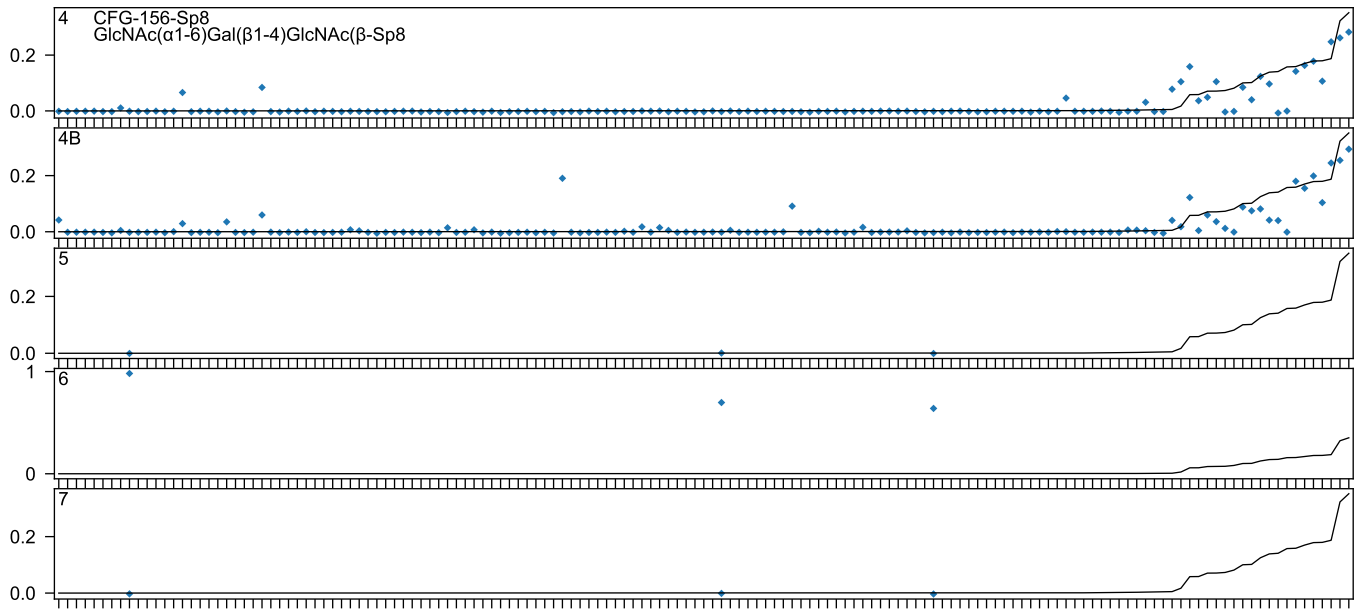

4
CFG-153-Sp8
Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
MGL 6A-H2627
ASA
AOL (Mahal Lab)
wheat
Microvirin
IPSC-CA2858
CA19-9-18844
Gal-3
HA70 complex-Alexa
MGL
ABL
SSA
Native WGA
LWA
UEA1
TL(E coli)
LCA
PSA
PNA
Mono2W-CNL
PHA-L
GSL-I (EY Lab)
PHA-E
Epa1-Np mutant E227G
PhoSL
PASSC
DC-ASGPR 8301
MGL 418
#14 Sialyl Lewis X (Calbio)
#47 Sialyl Lewis X (Calbio)
ME7(detected with α-HOD)
LSL-150
ME5(detected with α-HOD)
WT-MOX
MVA-M
VGA(EY Lab)
UEA1
SSA
PNA
PHA-L
EEA(EY Lab)
PHA-L
hJAA-F
PHA-L
HPA
HPA
DBA
DBA
GSL-I
GSL-II
CAA
CSA(EY Lab)
ETA
Mono2K-CNL
ACL
ACL
Galectin-8
MPL
MPL
CVN
CVN
PTL-I
LCA
PTL-II
MAA
MAA
MALI
PNA
PNA
PSL
PSL
MALII
PHA-E
PHA-E
AFCNV-F
CSA
CSA
Mono I-CNL
CA19-9-Ab (Biolegend)
VLRB aGP-23
Tim-3-Fc
EBL
GNA (EY Lab)
Tim-3-Fc
PCL
#15 Sialyl Lewis X (BD)
Avagen-Fc
Avagen-Fc
MAA(Seikagaku)
hGal-1-488+SDS
SSA
SSA
SSR1
Tbx21
Tbx21
LBL-152
LBL-152
GSL-I B4
WT Galectin-8
rNV VLP-SR1
SR1
Mouse NKG2-Fc8
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
Mouse Galectin1
human Gal-7
UDA
UDA
Epa1-Np mutant E227A
CA19-9-Ab
B1L native
Epa1-Np mutant Y228A
Sp Serotype 14-2
Galectin-1
Anti-hGC
Human Galectin1
WGA(Seikagaku 310)
mouse Gal-7
DSL
DSL
VVHA lectin
Sp Serotype 19
Epa1-Np WT
ECL
WGA mutant
CCL21-100%
Cnx-SEL
WGA
SEL
RCAI (Vector)

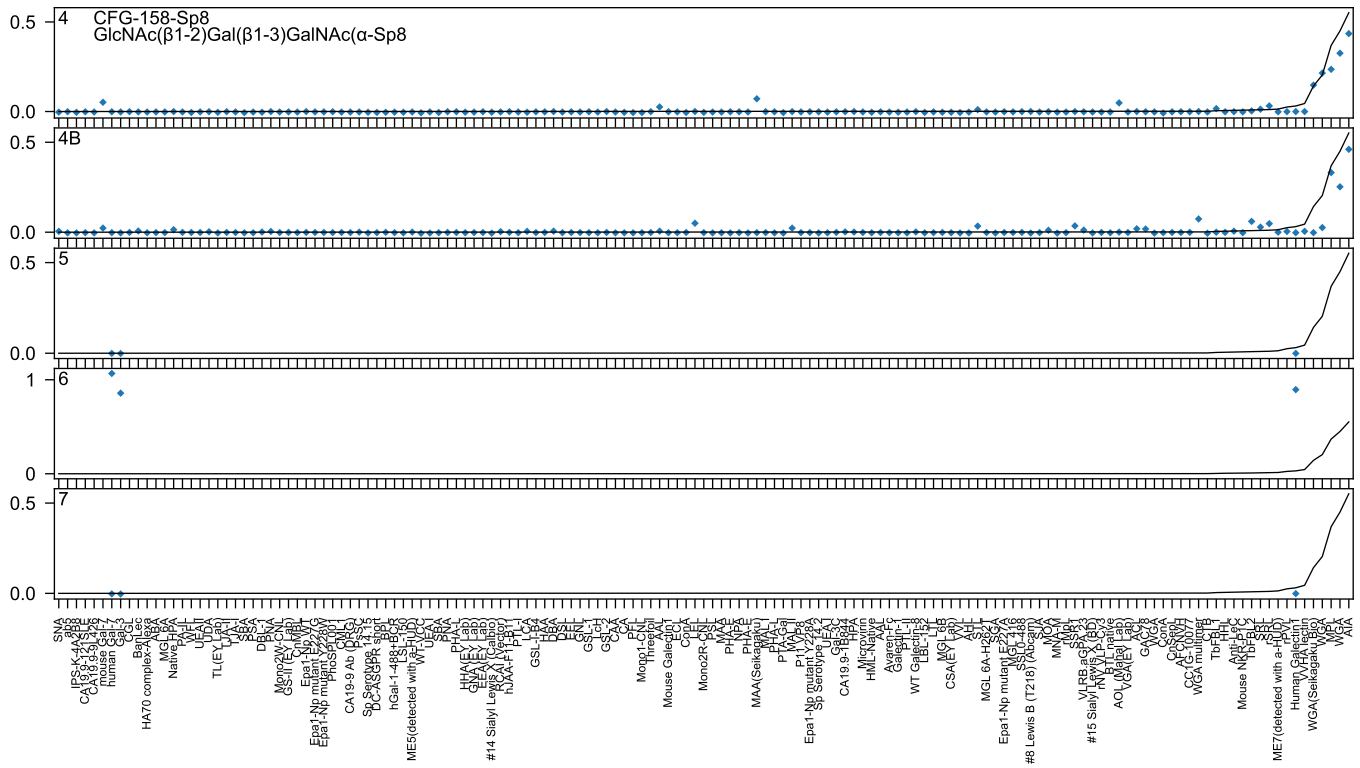

4
CFG-153-Sp23
Gal(β1-4)GlcNAc(β-Sp23
0.25
0.00
4B
0.2
0.0
5
0.2
0.0
6
0.5
0.0
7
0.2
0.0
MGL 6A(EY Lab)
PHA-E
EEA(EY Lab)
ABA
ABS
IPS6-1-4A(PSB
CA19-9 SL426
Gal-3
Bal-1
MGL 8A
MGL 8B
Tra
ASL
Native-PPA
PA-IL
TL(EY Lab)
LCA
VSA
PNA
PHA-L
PHA-E
PNA
Con A
Epa1-Np mutant Y228A
WT Galectin-8
PSA
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (TBD)
#8 Lewis B (72-8 Lewis B)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
VGA(EY Lab)
UEA
hJAA-F
PHA-L
PHA-E
PTA
PTA-Gal
GSL-2
CAA
PA
P11
VR8
AAL
Mouse NKR-P1C
Gal-3C
VCTB
WFL
Mouse Galectin-1
CerA
HA1
GSL-I-B4
GSL-I
HT
MAA(Seikagaku Biochem)
MAA
PHA-E
MAL
Lc
MAL
CA19.9 (BSG)
CA19-9 Ab (BSG)
AFCNTA
AOL (Maha Lab)
SSA
Microvirin
HVA
PhoSL
PHA-L
DBL-1
rNV
VVL
Cyc
Avarellin
GNA (EY Lab)
Epa1-Np mutant Y228N
HA70 complex-Alexa
WMA(EY Lab)
Epa1-Np mutant Y228A
CSA(EY Lab)
UEA
NPA
Mono2R-CONA
GLEA
LBL-1C2
Anti-LSC
VLRB.aGP
PSA
PVA
WT-DSC
Epa1-Np mutant Y228A
BTL
NWA
WGA(Seikagaku Biochem)
Human Galectin-1
Galectin-1
VGA
PHA-E
Sp Serotype 14-7
Sp Serotype 14-15
DC-ASGPR
Epa1-Np-WT
Epa1-Np-WT
Sp Serotype 14-15
CCTA (Calbiochem)
CoSept
RCAI (Vector)
WGA
SEL
WGA multimer

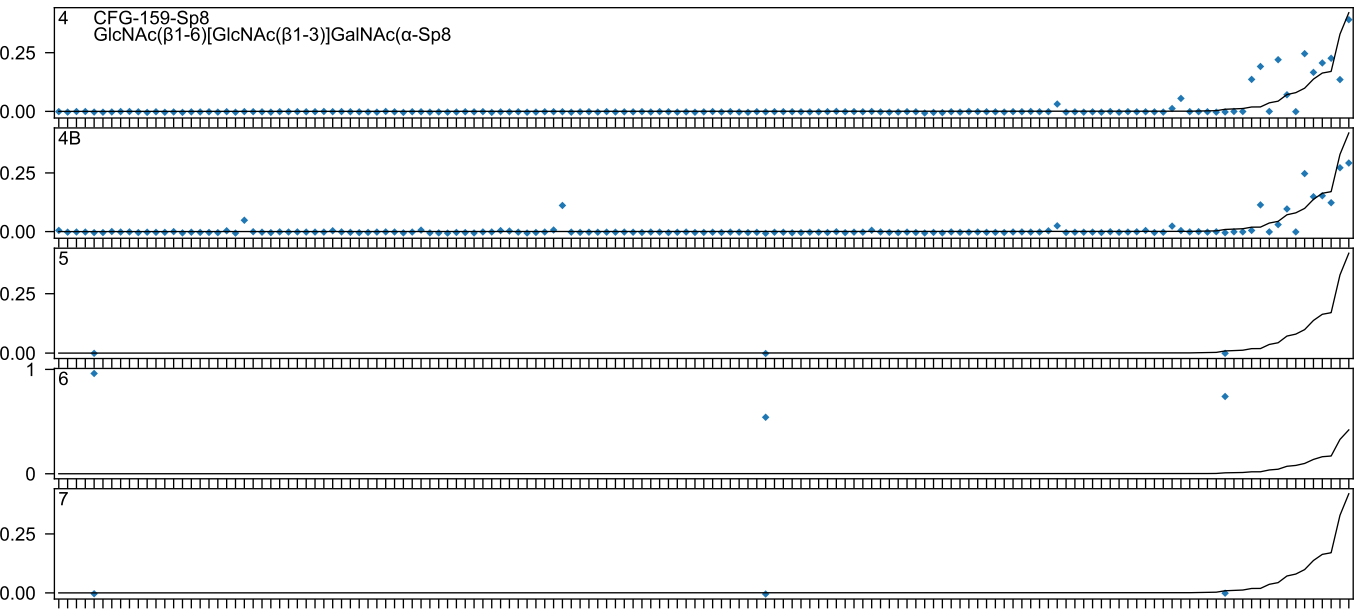

4
CFG-154-Sp0
Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.1
0.0
0.5
UEAII
WGA multi
MGL 6A
MGL 6B
SSA
WGA(Seikagaku)
PAL
#14 Sialyl Lewis X (Calbio)
SNA
PTL-I
PHA-L
PHA-E
MAA(Seikagaku)
CA19-9 Ab
DAGT
BanLec
Sam's
DC-ASGPR (Lab)
#15 Sialyl Lewis X (TBD)
B1
LBL-166
LBL-152
ME5(detected with a-hUD)
UEAI
UEA
SJA
PNA
HHA(EY Lab)
GS-II(EY Lab)
BS
JFS-K-44
CA19.9-1428
MAA
hGal-1-488+6CR
Mono2R-CNU
SVA
GSL-1
Mouse NKR-P1C
GNL
VGA
OSA
MH-L
Mouse Galectin-9
LTL
ECA
LEL
UEA
PhoSPL
CA19.9-T
#8 Lewis B (T218) (Abcam)
PSA
WT Galectin-1
MGL 4A
Gal-3C
Epa1-Np mutant E227G
CA19.9-1B244
VLRB.aGP
PSL
HPA
VGA(EY Lab)
PT
CPA
HA70 complex-Alexa
MGL 6A-HRP
AFCNOH
SVL
PTA-Gal
HML-Neo
PNA
CGE
Avarelin
EEA(EY Lab)
ASA
PEL
WGA
human Gal-7
MPA
ABA
Native SEA
Microvirin
WT-Lectin
AIL
PNA
Epa1-Np mutant Y228N
Mono2-CNU
GNA (Fitchen)
MAL II
Galectin-1
AOL (Mahal Lab)
hMAA(EY Lab)
CA19.9-1B71
Mono1-CNU
Tb1B1-1
SSA-488
Human Galectin-7
LTL(EY Lab)
Epa1-Np mutant Y228A
Sp Serotype 122
Epa1-Np mutant Y228A
mouse Gal-7
ME7(detected with a-hPD)
Epa1-Np
WT
Anti-LeC
Sp Serotype 15
CVHA
CCTG-1
SNA
RCAI (Vector)

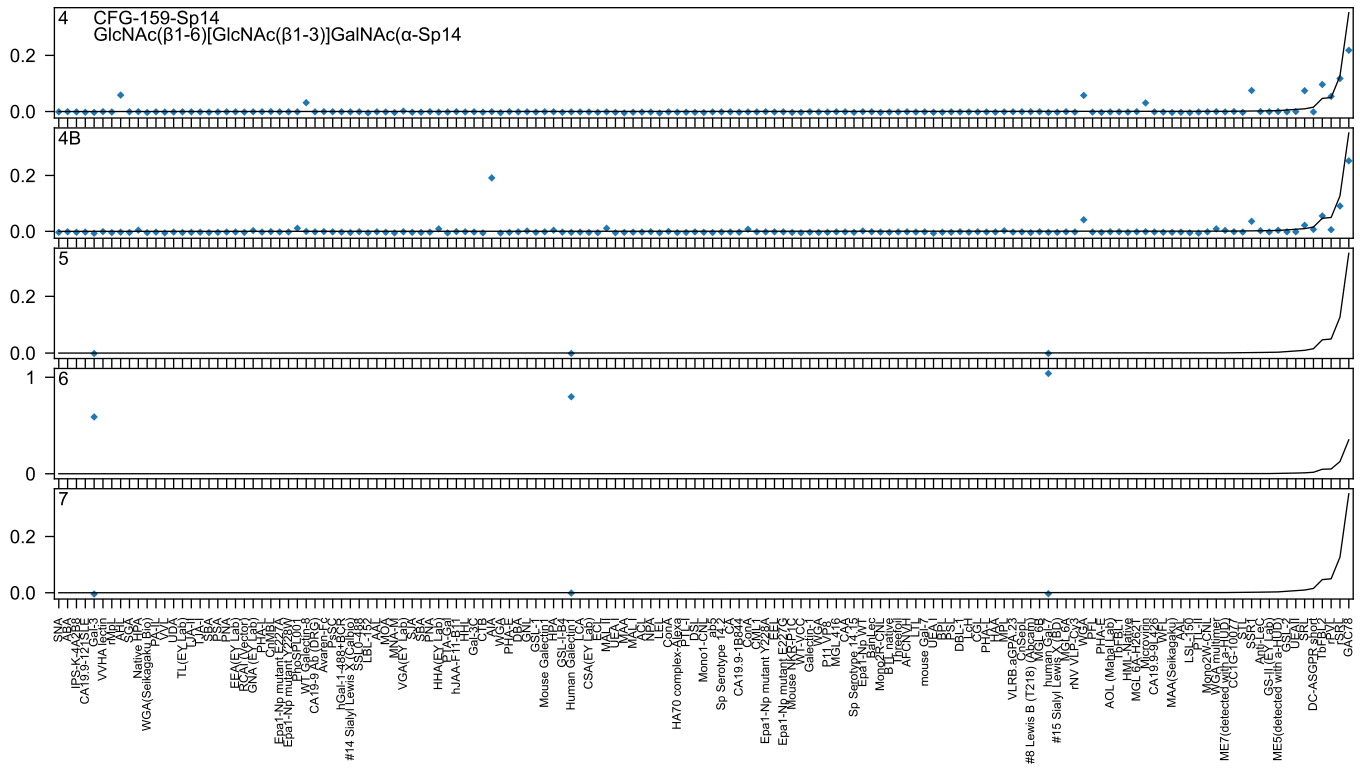

4
CFG-154-Sp8
Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.1
0.5
0.0
hJAA-F
B-PE
PTL-I
PNA
PHA-E
HHA(EY Lab)
GNA (EY Lab)
SBA
STA
MAL-I
MNA-M
MAA(Seikagaku)
EEA(EY Lab)
GSII(EY Lab)
SSH
SGA
WGA multimer
PVL
PWM
Gal-3
CA19.9
Mucinum
ABO
T/Jr-1
SVL
SVA
MGL-8A
CSA(EY Lab)
PhoSp-IgM
CA19-9 Ab (DAKO)
ECL
Arthrobactin-1
Mouse Galectin-1
PSA
WGA
GAC-18
Galectin-3
Thrombol
Mouse NKR-P1
ACL
MOA
Mono2R-CNL
WSL-Vgo
LSL-1
HPL
LBL
DBA
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
hGal-1-488
GSL-2
CAA
PFA
MGL-4/16
B Galt98
MGL-6
MGA
MGL 6A-H
BNA
CA19.9-12
SLE
PAA-L
WIT Galectin-3
VTRA Galectin-3
Epa1-Np mutant E227G
VGA(EY Lab)
Tor-HL2
HA70 complex-Alexa
DBL-1
WGA(Seikagaku Biol)
Human Galectin-1
TLE (UEA)
#8 Lewis B (T218) (Abcam)
TKH-Native
CA19.9-422
NPA
BPA
EPA
ASA
rNV VLP-Cy3
ACSU-1
CnMB
Epa1-Np mutant Y225W
Galectin-1
AOL (Mahal Lab)
PVA-E
MAL-E
WGA
VGA
MAA
SGA
SSA
Epa1-Np mutant E227A
ABA
UEA
SSL-1
U-488
GSL-1-B4
Mono2W-CNL
Mono2R-CNL
PHA-E
human Gal-1
Tor-HL1
SNA
MAA
Epa1-Np mutant Y225A
ME5(detected with a1-HUD)
ME7(detected with a1-HUD)
Sp Serotype 14.2
mouse Galectin-3
OTB
DC-ASGPR short
Epa1-Np WT
Epa1-Np Y225F
Sp SerotypeIgM
CC1.G-10077
WFA lectin
RCA(Vector)

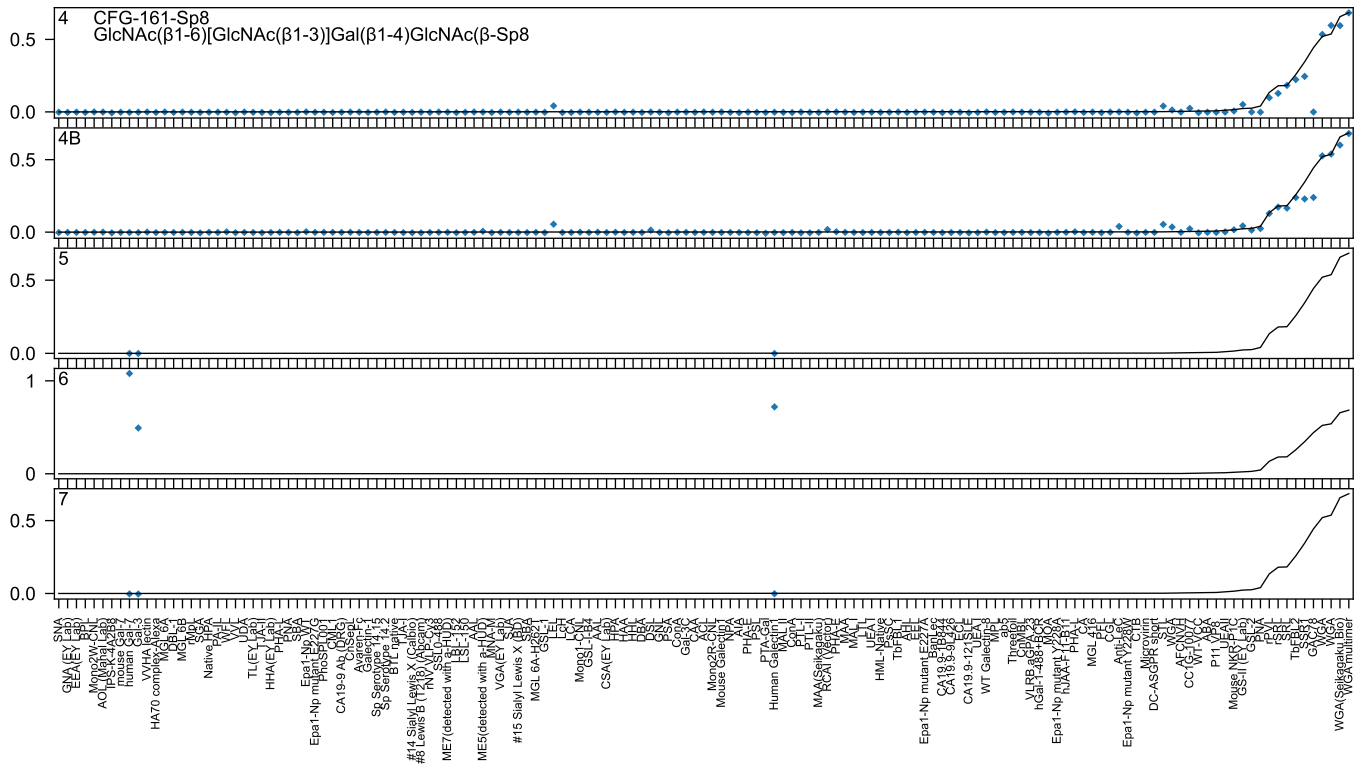

4
CFG-155-Sp8
GlcNAc(α1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
SNL
Mono2W-CNL
AOL (Manal Lab)
IPS
Microvibin
CA19.9-18844
mouse Gal-7
human Gal-7
Gal-3
EY (Lab)
EY (Lab)
MGL-6A
MGL-6B
TbFBL1
ABL
FAP
FAP-F
VVL
TJA-I
HA70 complex-Alexa
GNA (EY Lab)
GNA (EY Lab)
PHA-L
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
CA19-9 Ab (DRG)
Galectin-1
Galectin-7
Sp Serotype 14
DC-ASGPR short
BMA (native)
HHA(EY Lab)
HHA(EY Lab)
#15 Sialyl Lewis X (Lab)
MEL(detected with a-HUD)
MEL(detected with a-HUD)
WFL
WGA
MVL
VGA(EY Lab)
UEA
LEA
PNA
rNV VLP-S9A
hJAA-F11-B11
LCA
PSA
GNL
RCAI (Vector)
PFL
MAL
Mono2R-CNL
PHA-E
MAA(Seikagaku)
AIA
LCA
Thrombin
MPL
GalA
GorA
PTA-Gal
Mouse Galectin-1
Human Galectin-1
PHA-E
AAL
PHA-L
PHA-E
CA19.9-12(Lab)
SLE
CC1G-1027
HHL
#14 Sialyl Lewis X (Lab)
MGL-1-Nb2
HGA-1-Nb2
hGal-1488-BC8
Sp Serotype 14
Epa1-Np mutant Y228W
CSA(EY Lab)
Epa1-Np mutant Y228Z
VVL
CSA(EY Lab)
SGL
SJA
MAL II
GalNAc
Mono1-CNL
ACL
AAL
PTL-II
#8 Lewis B (T218) (Lab)
CA19.9-Sialyl-Lewis A
LBL
LEA
NPA
GEA
GEA-1
Aleuria-Fc
GSL-I-B4
CTB
Cnidu
AFO
NVA
WT Galectin-8
CSL-Sepharose
DSL
Basilic
ABA
TL(EY Lab)
Mouse NRP-PTC
Ang-S
GS-II (EY Lab)
PAA
PAA
SSA
SSBT
SJA
UEA
VVL
TbFBL2
Native HEA
WGA
WGA mutant
WGA (Seikagaku)
Biel
WGA

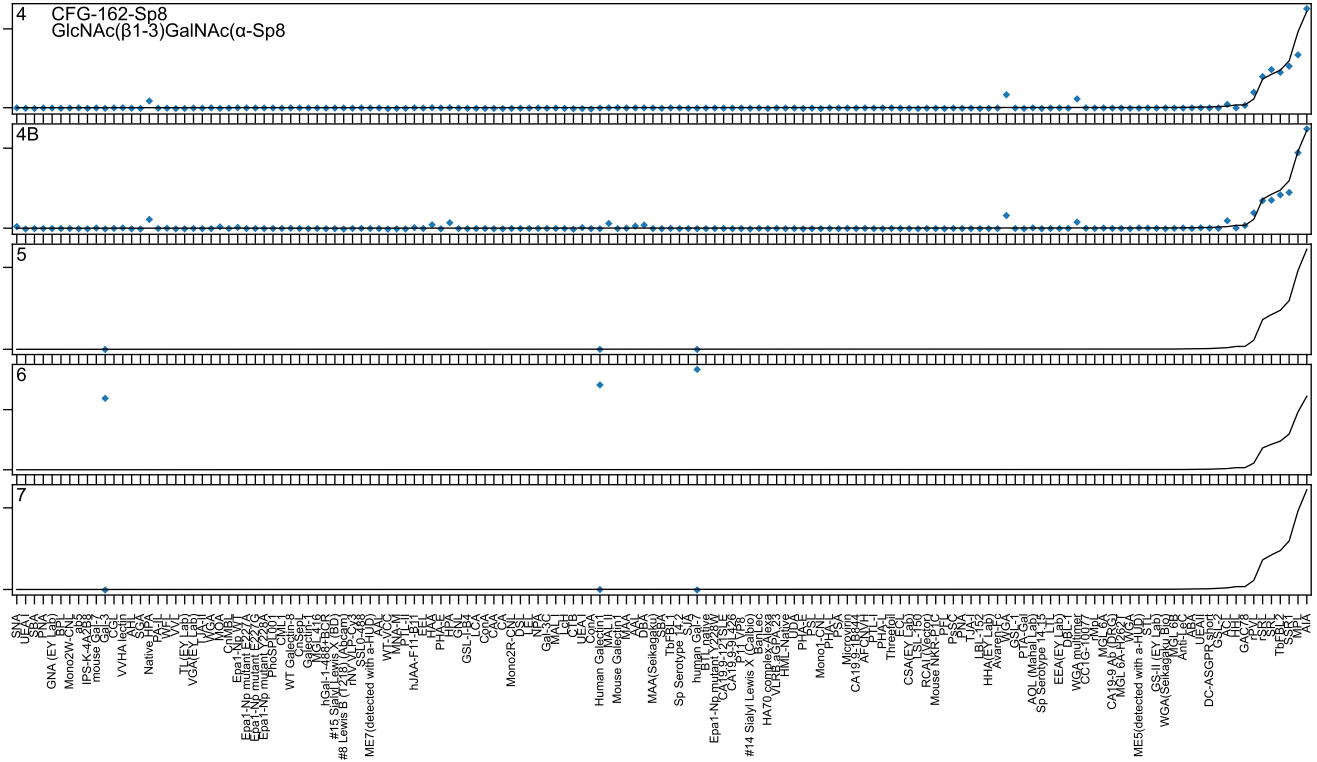

4
CFG-156-Sp8
GlcNAc(α1-6)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.2
0
1
SNA
HHA(EY Lab)
EEA(EY Lab)
MAL I (EY Lab)
AOL (Wakarii Lab)
IPS
Microvilli
mouse Gal-7
human Gal-7
HA70 complex
DBA
DBL-1
Tomato
PSA
PAL
VVL
UDA
TL(EY Lab)
LCA
LTA
SBA
SSA
PNA
PHA-E
PHA-L
UEA-I
ConBr
Psa-FUCM
WT-Tetanus Toxin
CA19-9 Ab (R&D)
Avidin
Peanut
DC-ASGPR
Galectin-1
Galectin-3
hGal-1 188-BCR
MGL 418
MGL 420
#14 Sialyl Lewis x
TM1 Native
VLRB-SP-488
MET(detected with a-HUD)
ME5(detected with a-HUD)
WT-VOCC
VGA(EY Lab)
MMA-M
PT-I
hJAA-F
PTA-Gal
Mono1-CN
Mono2R-CN
P11
VGA
PF
AIA
PTL-I
GSL-I
GSL-II
DSL
DBL
HPA
ZAA
Threonin
UEA-I
PHA-E
PHA-L
ConA
MAL I
Human Galectin1
Human Galectin3
MAA
Mouse Galectin1
MAL II
NPA
MPL
CA19.9-15
CA19.9-19
MGL 8A-H2627
SSA
CA19.9-12
SLE
Sp Serotype
VGA,C78
Sp Serotype
CA19.9-150
CA19.9-151
Gal-3
CMLT
#8 Lewis B (T218) (R&D)
Mouse NK-BTC
#15 Sialyl Lewis x (BD)
MAA(Seikagaku)
AAL
ACA
ConA
PNA
UEA-I
GSL-I
WGA
GNA (EY Lab)
PAE
PAGE
CSA(EY Lab)
Epa1-Np mutant
Epa1-Np mutant
Epa1-Np mutant
MVN
GSL-I-B4
Epa1-Np mutant
Epa1-Np mutant
BTL native
WGA(Seikagaku, Bio)
WGA mutant
WGA mutant
VVHA
WGA
HPA
SBA
GSL-II
Anti-Epa1
PVL
Epa1-Np
Native HPA
GSH(EY Lab)
ISBL
VSA
CC1G-10077
TKA
GSK1
RCAI (Vector)

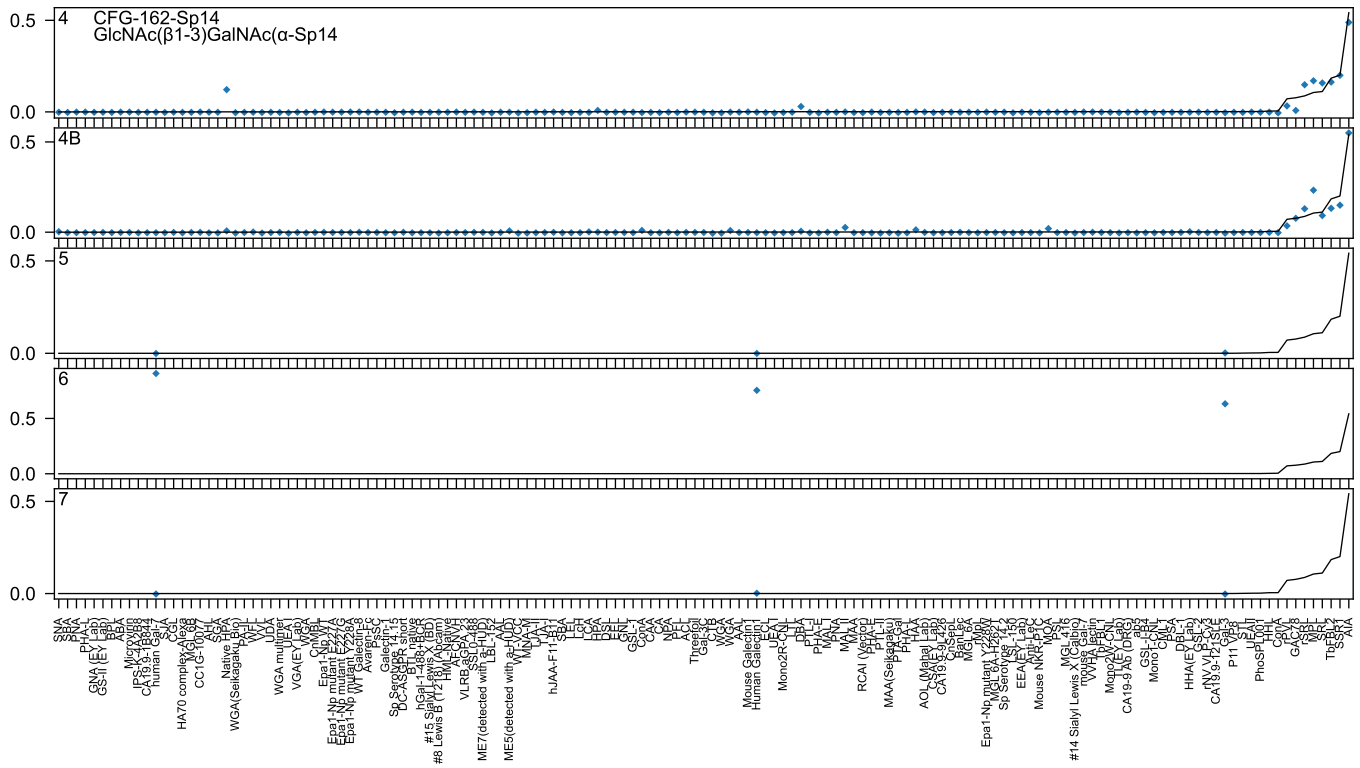

4
CFG-158-Sp8
GlcNAc(β1-2)Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
IPS-K-4-A2B8
CA19.9 (3)
CA19.9 (3)
mouse Gal-7
human Gal-7
Gal-3
CLec
Bap
HA70 complex-Alexa
MGL-BA
Native-PPA
PNA
WFL
UEA
TL(EY Lab)
LCA-I
SBA
DBA
DBA
Mono2W-CNL
GS-IV(EY Lab)
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Epa1-Np mutant E227A
mouse SP2/0
CA19-9 Ab
CA19.9
Sp Serotype 14.15
DO-ASGPR
BP1
hGal-1-488
ME5(detected with a-HUD)
WGA
UEA1
SBA
DBA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
#14 Sialyl Lewis A (Calbio)
hJAA-F11-B11
TCA
GSL-I-B4
DBA
DBA
PSL
GNL
GS-I-cl
GS-I-A
OCA
CA
Mono1-CNL
Threepoint
Mouse Galectin-1
ECL
CPA
Mono2R-CNL
MAA
PHA-E
PHA-L
MAA(Seikagaku)
MAL
PHA-L
PHA-E
MOA
Epa1-Np mutant Y229A
Sp Serotype 14.22
EAC
CA19.9-1B484
HPA
Microvirin
HML-Nauye
AAL
Avaren-Fc
Galectin-1
WT Galectin-8
LBL-I
LZ
CSA(EY Lab)
MGL-6B
MGL
SJL
MGL 6A-H2B7
Epa1-Np mutant E227A
SNGL 148
#8 Lewis B (T218) (Abcam)
NGA
MGA
MNA-M
SSB1
VLRB.aGPA23
#15 Sialyl Lewis X (Calbio)
VLRB.aGPA23
ANV(Lab Ag)
BTL(naive)
AOL(naive)
VGA(EY Lab)
GAL
GAL
WGA
WGA
SenA
Cholera
AC-NON7
CC-NON7
WGA multivar
TbFBL
TbFBL
HHL
Mouse NK-B-PYC
TbFBL2
TbFBL2
SBL
SBL
ME7(detected with a-HUD)
Human Galectin1
WGA(Seikagaku)
WGA
WGA
WGA
AIA

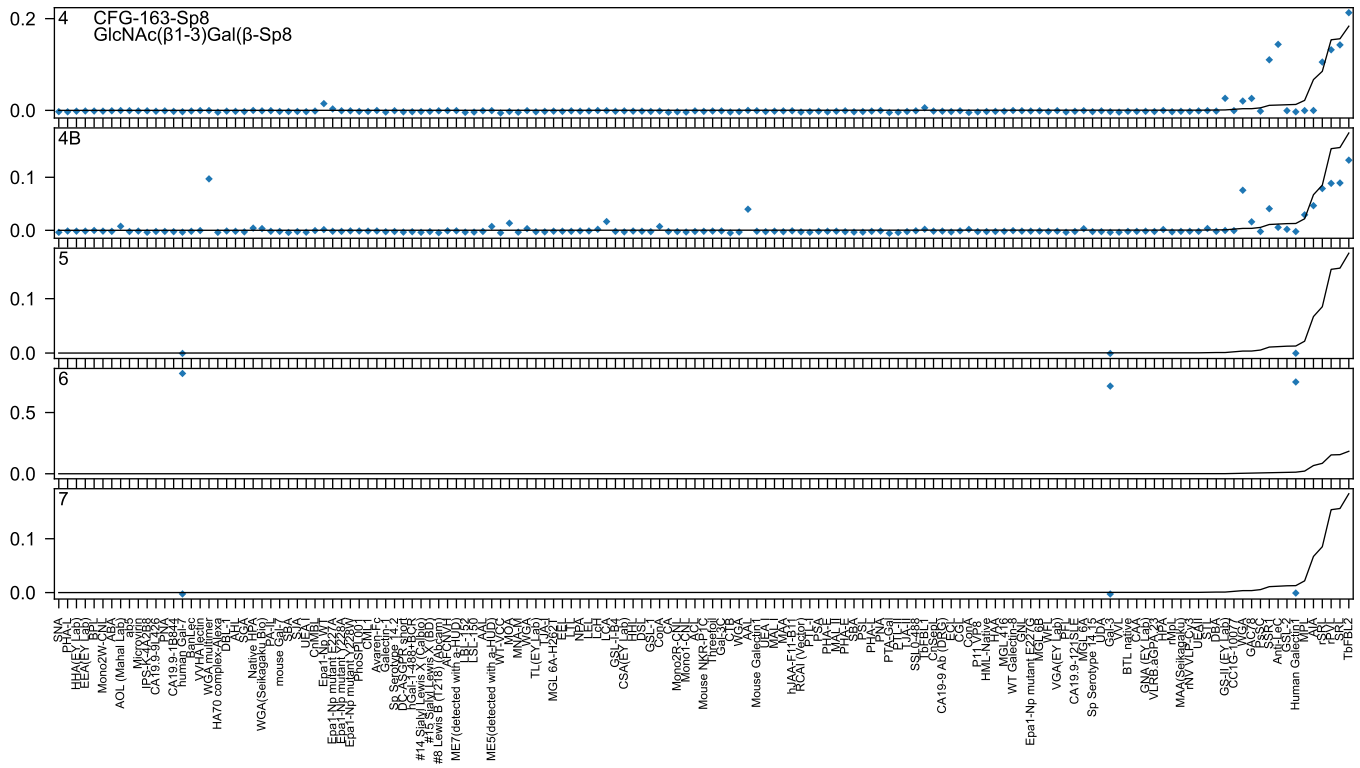

4
CFG-159-Sp8
GlcNAc(β1-6)[GlcNAc(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.25
0.00
1
0
SNA
SNA
Mono2W-CNL
human Gal-9
HA70 complex-Alexa
MGL-DB
TbRBL
HHA(EY Lab)
PAL
WFL
UDA
TL(EY Lab)
SBA
RCAI (Vector)
Native HPA
PNA
PNA
SBA
Epa1-Np mutant Y238W
CA19-9 (BD BIORG)
Clipseqc
DC-ASGPR-short
MGL-418
hGal-1 (Abcam)
#14 Sialyl Lewis X (Calbio)
rNVL (native)
ME7(detected with SLD-488
ME5(detected with a-VVD
MNEAN
DSA
PTA-Gal
hJAA-F11-B11
COA
DBA
Galectin-8
CTB
PIL
HAA
AIA
CSA(EY Lab)
Threonin
Mouse Galectin-1
Mono2K-NLA
GNL
PHA-E
ECL
MAL
UEA-I
PHA-L
Epa1-Np mutant Y238H
LEL
Epa1-Np mutant Y238K
PSG-K-LA288
CA19.9-Sp8
Gal-3
Sp Serotype 14-2
#8 Lewis B (T218) (Abcam)
SCA
Gal-7
mouse Gal-7
WT Galectin-8
Epa1-Np mutant E227G
Epa1-Np mutant E227A
AOL (Mabtech)
GSL I-B4
PSA
#15 Sialyl Lewis X (BD)
MGL-1
CA19-12(SCE
LBL-082
MAA(Seikagaku)
MAA(Seikagaku)
MGL-1
Galectin-1
Sp Serotype
GSL I
Microvirin
Oscillatorin
Avaren-Fc
VGA(EY Lab)
Anti-LeC
TJA-I
MAA
BTL native
Barley-A
VVL(HA Bead)
CA19-9 (Bead)
EEA(EY Lab)
MAL
MAL
P11
Vicia
Mono1-HPA
HPA
AFO
AGA
STL
Mouse NKR-P1C
Human Galectin-1
CCTG
UEAII
WGA(Seikagaku Bio
GSL-I
GSL-I
VGA
VGA
GS-II (EY Lab)
WGA mutant
TbRBL
TbRBL
GAL
GSL
WGA

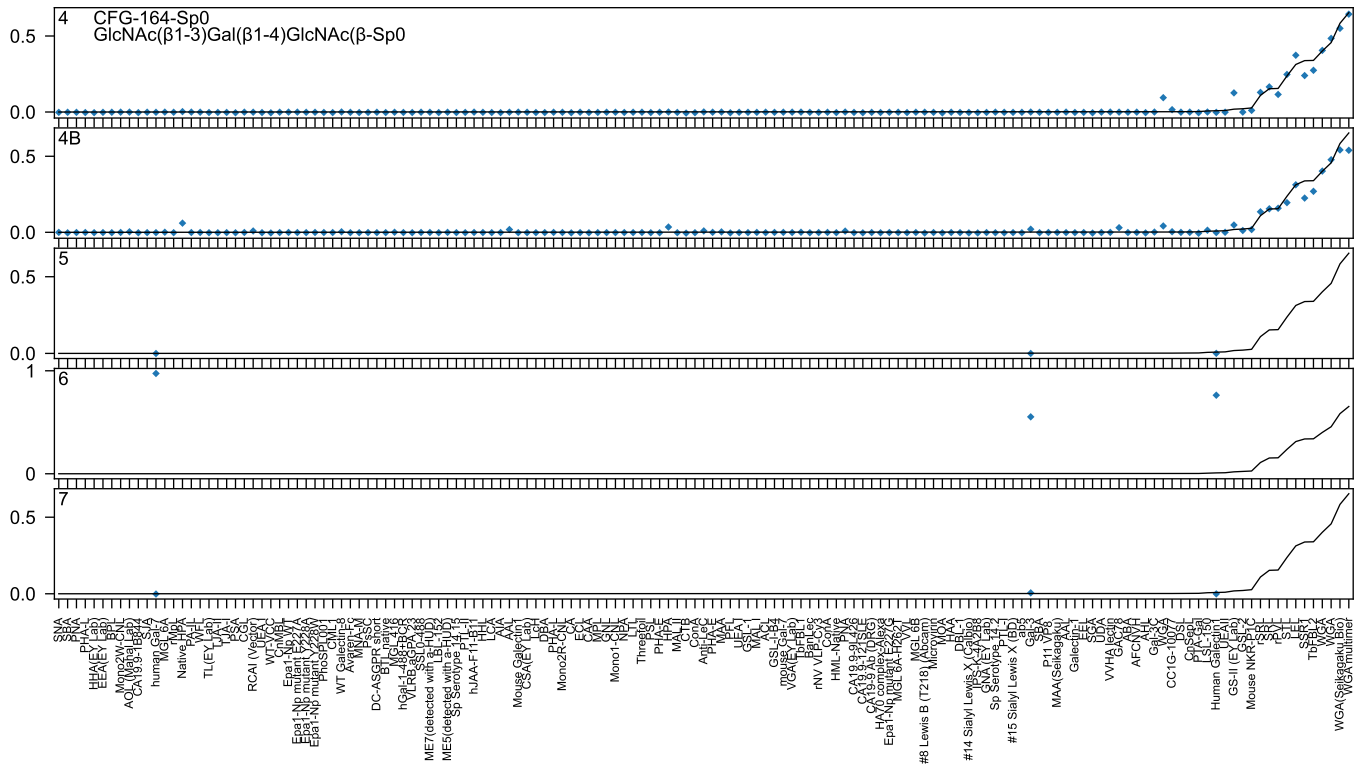

4
CFG-159-Sp14
GlcNAc(β1-6)[GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.2
1
0
SNA
SNA
IPS-K-14-A298
CA19.9-12-A298
Gal-5
VVHA lectin
Man
ABL
Native SPA
WGA(Seikagaku_Bio)
PVL
UDA
TL(EY Lab)
LCA
HPA
PSA
PNA
LAD
EEA(EY Lab)
RCA(Vector)
GNA (EY Lab)
PHA(L)
CD69
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
TF-Sialyl-T1D3
WT Epa1-Np
CA19-9 Ab (DRG)
Avelumab-FITC
#14 Sialyl Lewis SSC-188
hGal-1-488-BCR
SSC-188
LBL-162
MOA
MNA
VGA(EY Lab)
SAA
SNA
PNA
HHA(EY Lab)
hJAA-F11-B21
HPC
Galectin-1
CTB
WGA
PHA-E
PHA-L
GNL
GSII-1
Mouse Galectin-1
HPA
Galectin-3
Human Galectin-3
LCA
CSA(EY Lab)
PSA
MAL I
MAA
MAL
NPA
NEA
CorA
HA70 complex-Alexa
PSL
Mono1-CNL
Sp Serotype 14
CA19.9-1B844
ConA
Epa1-Np mutant Y228A
Epa1-Np mutant E228Q
Epa1-Np mutant E228F
Mouse Galectin-7
Galectin-10
WGA
MGL 416
P11 LCA
Sp Serotype 14
CA19
Epa1-Np WT
Epa1-Np
Monoclonal
BTL native
APC/CVH
LTL
mouse GPA1
BSL
DBL-1
CGL
PHA-L
MPA
VLRB aGPS-23
#8 Lewis B (T218) (Abcam)
WGA-FITC
#15 Sialyl Lewis X (BD)
human Y1
nV VLRC-23
WGA
PHA-E
AOL (Matsal Lab)
PHA-L
HM1-Native
MGL Mt-H26-21
CA19.9-9-1428
MAA(Seikagaku)
WGA
LSL
ABA
PTL-I
MGL2-MCNL
MGL2-Mutant
ME7(detected with a-HUD)
CCTG-10-077
SSR1
Avelumab
GS-II(EY Lab)
ME5(detected with a-HUD)
UEA1
SNA
DC-ASGPR
TbFBP2
ISR1
GAC78

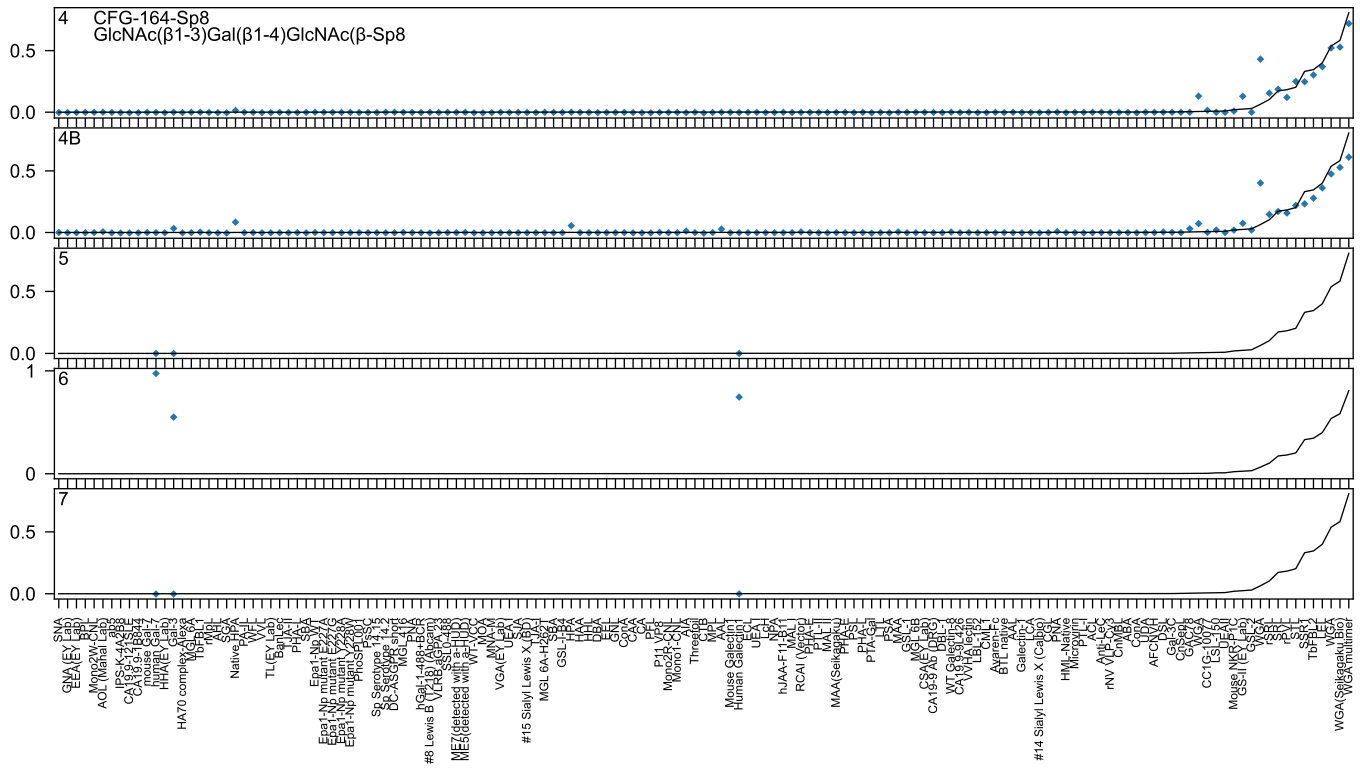

4
CFG-161-Sp8
GlcNAc(β1-6)[GlcNAc(β1-3)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
GNA(EY Lab)
EEA(EY Lab)
Mono2W-CNL
AOL(Wakata Lab)
mouse Gal-7
human Gal-7
Gal-3
VVHA-actin
HA70 complex
Native PSA
PAJ-L
VVL
UDA
TL(EY Lab)
HHA(EY Lab)
PHA-L
PNA
SBA
Epa1-Np mutant E227G
PhoSL
CNL1
CA19-9 Ab. (DRG)
Avidin-FC
Galectin-1
Sp Serotype 14-2
Sp Serotype 19
BTL native
SSL1-488
SSL1-Cy3
LBL-182
LSL-488
ME7(detected with B-HUD)
ME5(detected with B-HUD)
VGA(EY Lab)
#15 Sialyl Lewis X
SNA
SBA
MGL 6A-488
Gal-1
LEL
LCA
PSA
Mono1-CNL
GSL I-A4
CSA(EY Lab)
HAA
DBA
DSL
PSA
ConA
Gal-7
CAA
Mono2R-CNL
Mouse Galectin1
VIA
PHA-E
PTA-Gal
Human Galectin1
WFA
ConA
PTL-I
MAA(Seikagaku)
RCA(I) (Vector)
PEA-FD
MAA
LTL
UEA-I
HML-NCC
PSA-C
Tor-RIL
EEA
Epa1-Np mutant E227G
Bacl-6c
CA19.9-488
CA19.9-Cy3
ECA
CA19.9-12D1
WT Galectin-8
alb
Thrombin
VLRB.aGPA-23
hGal-1-488
RCA
Epa1-Np mutant Y228A
hAAA-F
PI-PLC
CA
MGL
PEL
CGL
Anti-Epa1-Np mutant Y228A
Epa1-Np mutant Y228W
Crib
Microcystin
DC-ASGPR sport
VGA
AFO(NOV)
CC1(NOV)
WT-VVCC
P11-VBA
UEAI
Mouse (YEY Lab)
GSL I (YEY Lab)
SGL-2
PVL
rSRL
TbFBP-2
GSL-3
WGA
WGA(Seikagaku)
WGA(Bio)
WGA(multimer)

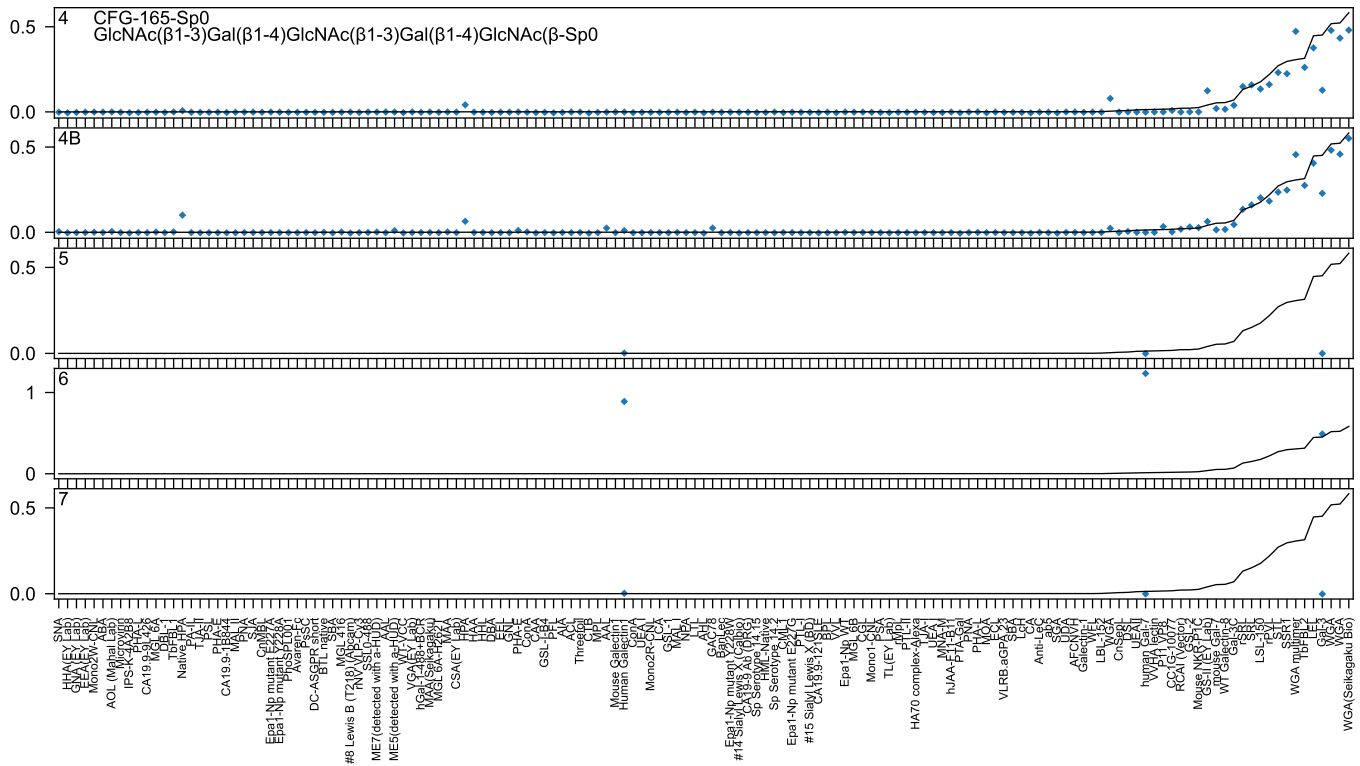

4
CFG-162-Sp8
GlcNAc(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
SNA
UEA1
SBA
GNA (EY Lab)
BPL
Mono2W-abs
IPS-K-4A2B3
mouse-Gal-3
Gal-3
VVHA lectin
ASL
Native-HPA
PAL
VVL
TJ(EY Lab)
VGA(EY Lab)
TVA1
WGA
Epa1-Nb mutant E227A
Epa1-Nb mutant E227G
Epa1-Nb mutant E226G
Epa1-Nb mutant E227Q
phosPC-001
WT Galectin-8
GnSep1
Galectin-4
#15 hGal-1-488 (Bio)
#8 Lewis B (12-218) (Abcam)
rNS-Gal-488
ME7(detected with a-HUD)
WT-VCA
WT-M
hJAA-F11-B11
EEL
PHAE
GNA
GSL-I-B4
CCA
CAA
Mono2R-CN
DSL
NPA
GALI
CFL
UEA1
ConA
Human Galectin-8
MALI
Mouse Galectin-9
GNA
DAA
MAA(Seikagaku)
TbPBP
Sp Serotype 14-2
human Gal-9
BTL (native)
Epa1-Nb mutant E226Q
CA19-9-125SLE
CA19-9-1-428
#14 Sialyl Lewis X (Calbio)
BanLec
HA70 complex (Seikagaku)
VCRA-CA-23
HML-Nbody
PHA-L
PHAE
Mono1-CN
PHA-E
Microvum
CA19-9-M44
AF-CRM44
PHA-L
Threglob
CSA(EY Lab)
TSL-150
RCA
Mouse NK receptor
PEC
PNA
TJ-I
LBL(EY Lab)
HHA(EY Lab)
Avarelectin
GSL-I
PSA
AOL (Mahal Lab)
Sp Serotype 14-15
EEA(EY Lab)
DBL-1
WGA mutant
CCL19-10077
NVP
MGL
CA19-9 Ab (PRG)
MGL 6A-1
WGA
ME5(detected with a-HUD)
GS-II (EY Lab)
WGA(Seikagaku)
Anti-LeC
UEA1
DC-ASGPR-sol
GNA
ACL
GAL8
PEV
RSL
TbPBP-2
SNA
MPL
AIA

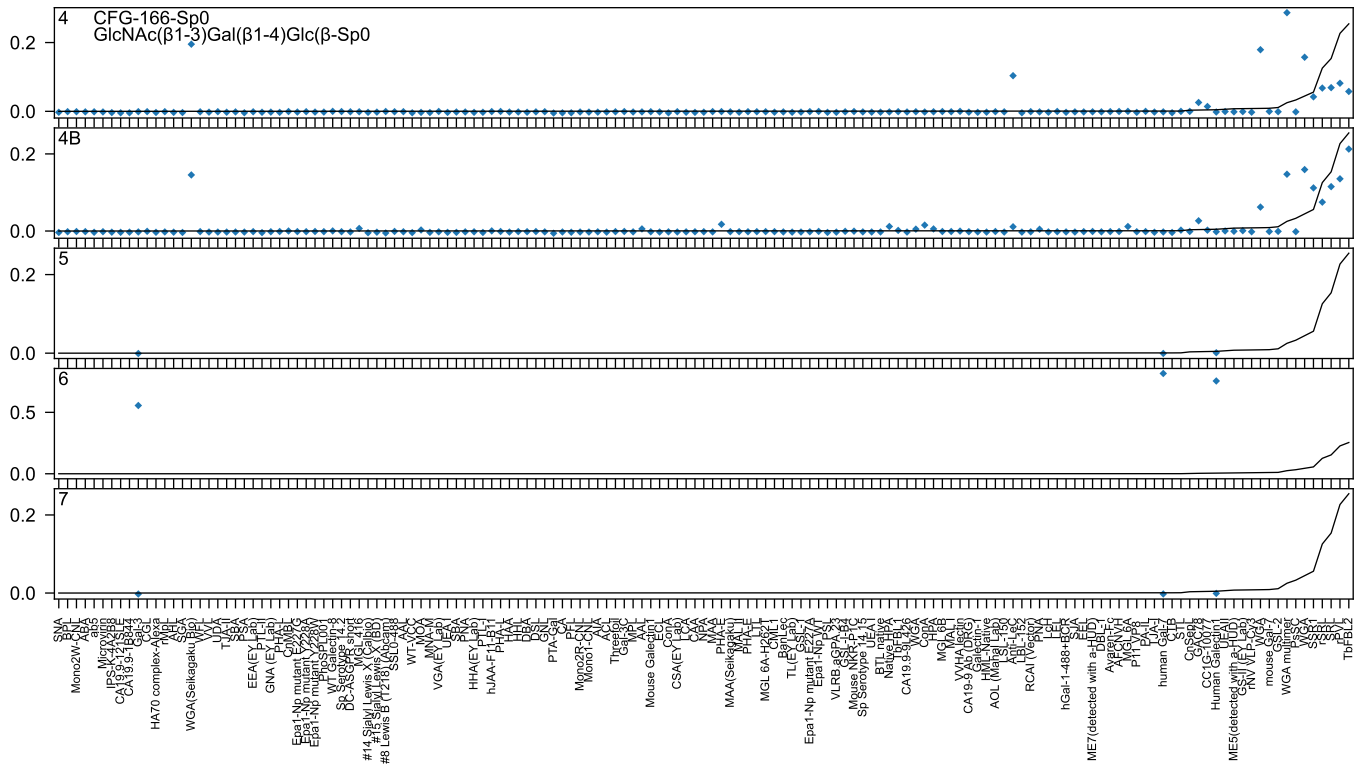

4
CFG-162-Sp14
GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
SNA
SNA
PNA
PNA
PHA-L
PHA-L
GNA (EY Lab)
GS-II (EY Lab)
ABA
ABA
IPS-Microvirus
CA19.9-18844
human Sera
SJA
CGL
HA70 complex Allele
MOR68
CC1G-10017
SSA
Native BPA
WGA(Seikagaku)
PAL
WL
UDA
WGA mutant
UEA1
VGA(EY Lab)
VGA
CNBL
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant E227S
WFA
Galectin-8
Avarol-SC
Galectin-1
Sa-ASGPR 14.15
Sa-ASGPR 14.15
hCgl-1 (Eth native)
hCgl-1 (Eth native)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12.18) (Abcam)
HA
AECRVVE
VLRB-SCP-A88
ME7(detected with a-HUD)
LBL
AZ
ME5(detected with a-HUD)
WA
MMA-M
LA-1
hJAA-F11-B11
SEA
LCH
HPA
HPA
DSL
ENL
GNL
GSL-A
CAA
NPA
PE
AJL
Threelol
Galectin
WGA
AAA
AAA
Mouse Galectin1
Human Galectin1
EEL
Mono2R-CNL
UEA1
DBA
PNA
PHA-E
MAA
MAA
MALII
MALI
RCAI (Vector)
PHA-L
PHA-E
MAAH(Seikagaku)
PHA-L
PHA-E
AAL
HAA
AOL (Matej Lab)
CA19.9-9,428
CA19.9-18844
BanLec
MGL
MGL
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
Sp Serotype 14.2
Sp Serotype 14.2
EEA
EEA
GSL-I-150
Anti-Lec
Anti-Lec
Mouse NRP
MOX
PSL
PSL
#14 Sialyl Lewis X (Calbio)
MGL (Calbio)
mouse Gal-7
VVHA
DBA
DBA
Mono2V-CNL
Mono2V-CNL
CA19-9 AB (ORG)
ABA
GSL-I-B4
Mono1-CNL
CBA
CBA
DBL-1
HHA(E.coli)
GSL-2
GSL-2
CA19.9-21.5V3
CA19.9-21.5V3
Gal-3
Gal-3
P11
VSL
EAU
EAU
PhoSH
HHL
CaVA
CaVA
GAC78
GNB
SNL
SNL
Thy1
SSR1
AIA

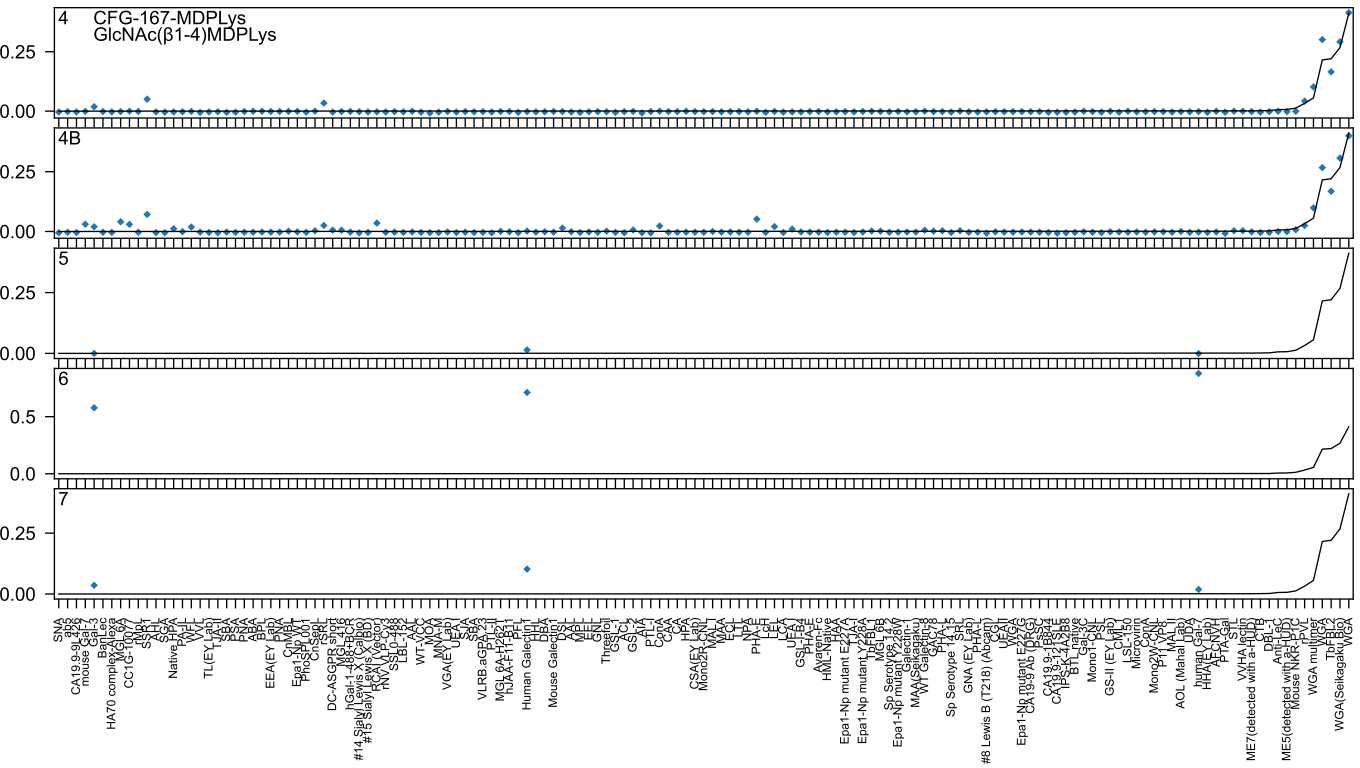

4
CFG-163-Sp8
GlcNAc(β1-3)Gal(β-Sp8
4B
5
6
7
0.2
0.1
0.5
0.0
SNA
PNA
HPA(EY Lab)
EEA(EY Lab)
BPL
Mono2W-CN
ABL
AOL (Mahal Lab)
abo
Micro
JFS-K-42-288
CA19.9-9-F
PNA
CA19.9-18B44
Ulex
human Bact sec
CVHA lectin
WGA(Wheat lectin) complex-Alexa
HA70
DBA
LCA
SBA
Native WGA(Seikagaku Biol)
PA-L
mouse SBA
SBA
UEA
UEA
CrmB
Epa1 Sp mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
PhoSP-001
Avarcin
Galectin-1
Avarcin-1
Sp Serotype 14-2
Sp Serotype 14-2
hGal-1-488-BCR
#14 Sialyl Lewis X (BID)
#15 Sialyl Lewis X (BID)
#8 Lewis B (T2718) (Abcam)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
LBL-155
LBL-155
AAL
AAL
WGA
MNA
WGA
TL(EY Lab)
MGL 6A-H2621
EEL
EEL
NPA
LCH
LCH
GSL I-A4
CSA(EY Lab)
DSL
DSL
GSL-I
ConA
ACL
Mono2R-CN
Mono1-CN
ACL
Mouse NKR-P1c
Gal-8
VCTA
VCTA
AAL
Mouse Galectin-1
PEA
MAL
hAA-F11-B11
RCA I (Vector)
PSA
PSA
MAL-I
PHA-E
PHA-E
PSL
PHA-L
PHA-L
PTA-Gal
PJA-I
PJA-I
SSL-I-488
SSL-I-488
CrmBP
CA19-9 Ab (DEC)
CGL
CGL
CVNA
P11
HML-Native
MGL 416
WT Galectin-8
Epa1-Np mutant E227G
MGL
WGA
VGA(EY Lab)
CA19.9-121-SLE
MGL 6A
Sp Serotype 1 UDA
Gal-3
Gal-3
BTL native
GNA(EY Lab)
vERB aGP-23
nVC
MAA(Seikagaku)
nVC
UEA-II
UEA-II
DSA
GS-II(EY Lab)
CCTG-WGA
WGA
GAC78
SSA
SSA
SSR1
Anti-SLeC
Human Galectin-1
WGA
rSP
rSP
SRL
TbFBL2

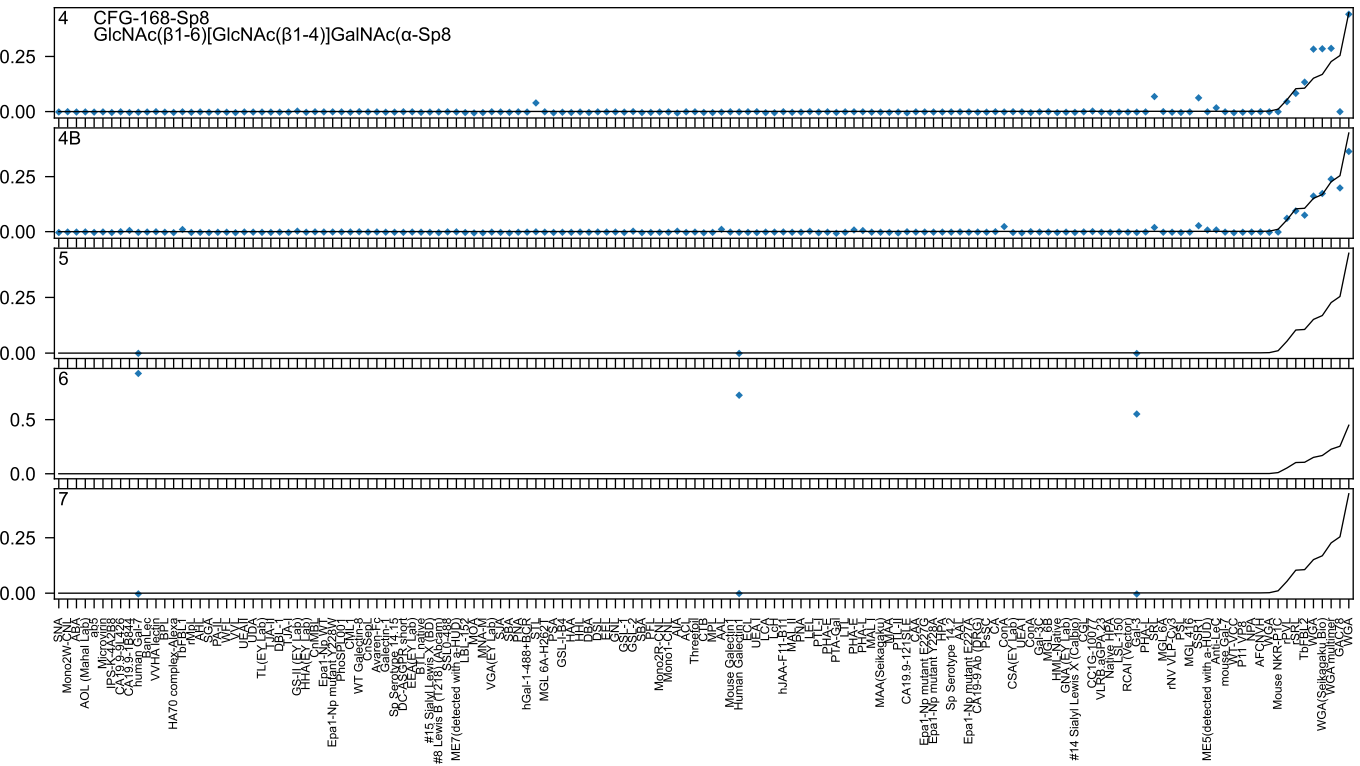

4
CFG-164-Sp0
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
PNA
PHA-L
HHA(EY Lab)
EEA(EY Lab)
Mono2W-CNL
ACA(Vector Lab)
CA19.9
SJA
Gal6
human IgG
MPA
Native-PNA
PAL
VVL
TL(EY Lab)
LCA
UEA
CGL
RCAI (Vector)
WT-VGC
Epa1-Np WT
Epa1-Np mutant Y222A
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
PhoS-CNL
WT Galectin-8
Avelumab
MNA-N
Fucsin
DC-ASGPR-Fc
BT1 native
hGal-1 488-H-C8
VLRB-aGPA 23
ME7(detected with a-HuD)
ME5(detected with IB-H-102
Sp Serotype 14-1-12
hJAA-F11-B-1
HJL
LOA
AAL
Mouse Galectin-9
CSA(EY Lab)
DSA
PTA-I
Mono2R-CNL
ECL
MPL
CNL
Mono1-KDA
Threo-D
PSL
PHA
MAL-B
Con A
Apo-E-Lac
PNA
MAA
HPA
UEA-1
GSL-I
MOR
ACL
GSL-B4
mouse IgG
VGA(EY Lab)
Dan-Bl
Dan-Bs
rNV VLP-Cy3
HML-Native
PWA
PVA
CA19.9-9-1
CA19.9-1-21SCF
CA19.9 Ab (DRG)
HA(Influenza)
Epa1-Np mutant E222G
MGL-6A-H-C9
MGL-6B
#8 Lewis B (T218)
Microcystin
WGA
#14 Sialyl Lewis X (CA9.9)
DBL-1
GNA(EY Lab)
Sp Serotype 14-7
#15 Sialyl Lewis X (BD)
Gal-3
Gal-1
VFA
P11
MAA(Seikagaku)
Galectin-1
EEL
UDA
VVHA(lectin)
CAA
ABA
APC-N-H
Gal-3C
CC1G-10027
DSL
Con-Bl
PTA-Gal
Human Galectin-1(R)
GS-II (EY Lab)
UEA-I
GS-II (Sigma)
Mouse NKR-P1C
RSL
SBL
RIC
PSL
LEL
Tomato-L
SBA-1
WGA
WGA(Seikagaku) Bio)
WGA(multimer)

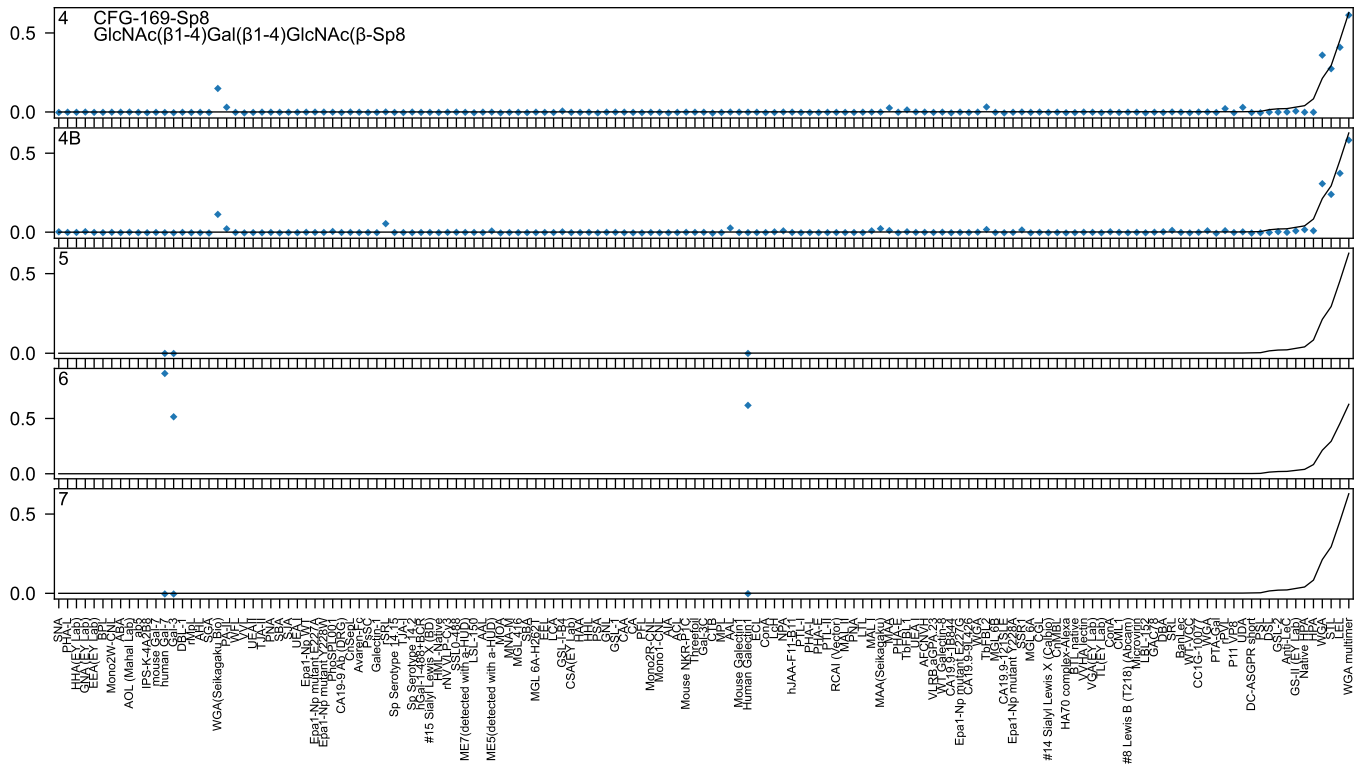

4
CFG-164-Sp8
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.5
1
SNA
GNA (EY Lab)
EEA(EY Lab)
Mono2W-CNL
AOL (Mahal Lab)
IPS-K-4-Ab
CA19-9-Ab
mouse Gal-7
HHA(EY Lab)
Gal-7
HA70 complex
Native SPA
VVL
TL(EY Lab)
Epa1-Np WT
Epa1-Np mutant Y227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y229A
Sp Serotype 14-2
Sp Serotype 19-2
DC-ASGPR-Fc
hGal-1 489+ PNA
VCRB-sGP-Ab
MEZ(detected with a-HUD)
MEs(detected with a-HUD)
VGA(EY Lab)
#15 Sialyl Lewis X (BD)
MGL 6A-Ab
GSL-I-B4
Human Galectin-1
Mouse Galectin-1
Mono1-CNL
Threonin
P11
Mono2R-CNL
PSA
hJAA-F11
RCAI (Vector)
MAA(Seikagaku)
PHA-E
PHA-L
PTA-Gal
PSA
GNA
MGL-6B
CSA
CA19-9-Ab (BRO)
WT Galectin-3
CA19-9-Ab
VVH
CML1
Avenin
Galectin-1
#14 Sialyl Lewis X (Calbio)
PNA
HMI-Maltine
Mycoplasma
PTL-I
Anti-LeC
nNV
Anti-LeC
Orcinol
ABA
CCA
AFCONA
Gal-3c
Gal-3
CaSep
CC1G
Gal-1
VGA
Mouse (EY Lab)
GSL-I-A4
UEA-I
Gal-2
rSBL
SBA
SJA
STL
TomBK1
WGA
WGA(Seikagaku)
WGA(multimer

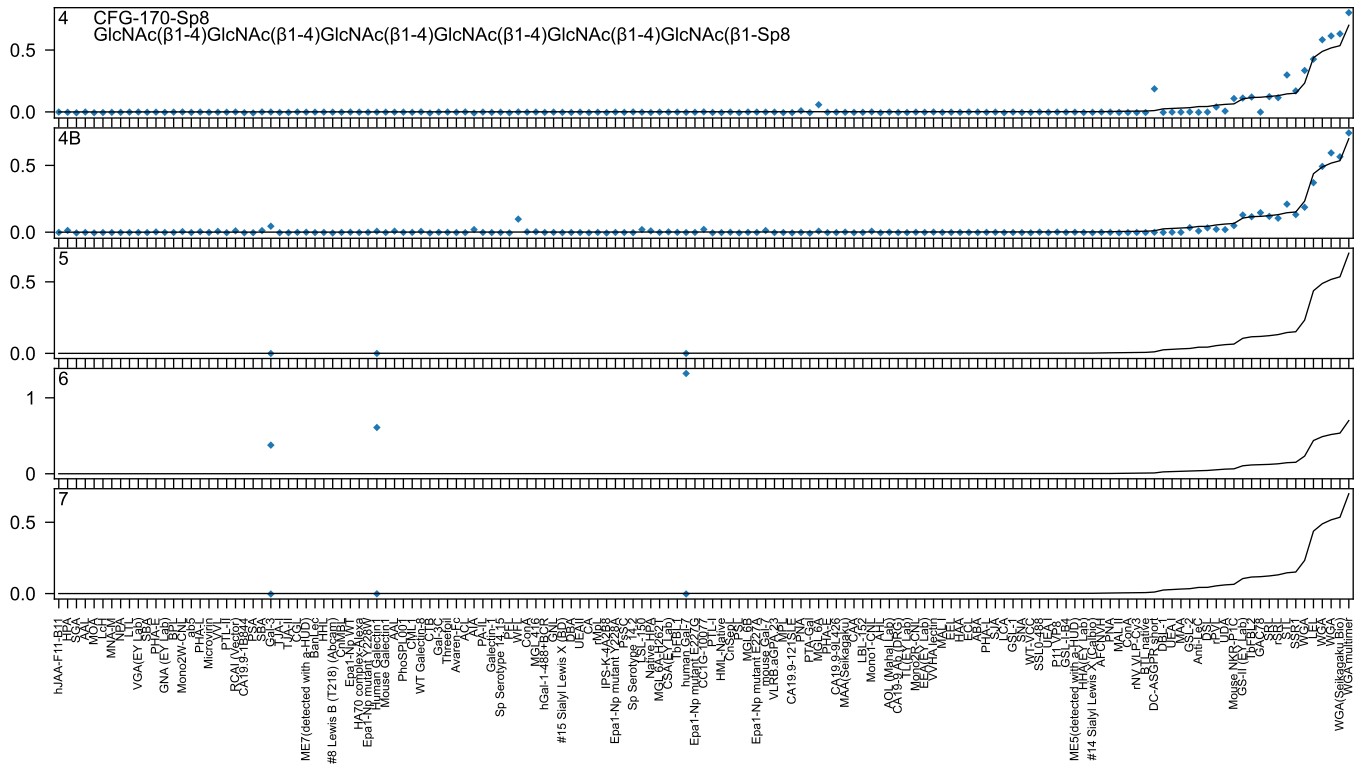

4
CFG-165-Sp0
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
HHA(EY Lab)
GNA(EY Lab)
ACA(EY Lab)
MonoZW-CN
ABA
AOL (Matsu
Microvigin
IPS-K-428
AA288
CA19.9 Ab
CA19.9 Ab
MGB-1
TcBT
Native-PAH
PAH
TJA-I
TJA-II
CA19.9 Ab
PHA-E
PHA-L
HB244
MAL
PNA
ConA
ConBA
Epa1-Np mutant E224A
Epa1-Np mutant E224G
PhoSP-C001
Avarol
Ps-5c
DC-ASGPR short
BTL
nsBVA
MGL 416
ANP
VVL(Vicia
SSL-118
SSL-118
#8 Lewis B (T218)
ME7(detected with a-TJA)
ME5(detected with a-TJA)
AAL
VGA(EY Lab)
hGal-1(EY Lab)
WGA(Seikagaku)
MGL 6A-H2
MGL
CSA(EY Lab)
HPA
HA
HGL
LEL
DBA
GNL
PNA
ConA
CAA
GSL I-B4
PFL
AIA
Threonin
MPL
AAL
Mouse Galectin-1
Human Galectin-1
UEA-I
Mono2R-CN
GSL-I
MAL
NPL
ACG
GAL
Epa1-Np mutant E224G
#14 Sialyl Lewis X (Bb)
CA19.9 Ab (DRG)
CA19.9 Ab (DRG)
Sp Serotype 14.1
HMW-Native
Sp Serotype 14.2
Epa1-Np mutant E224G
#15 Sialyl Lewis X (Bb)
CA19.9-12
SCE
EVC
Epa1-Np WT
MGL
OSA
Mono1-CN
TL(EY Lab)
PWM
HA70 complex-Alexa
UEA-I
MVA-M
hJAA-M
PTA-Gal
PHA-L
PNA
MOA
VLRB.aGPE
SBA
CA
Anti-Leb
SGA
SGA
AFCNOA
Galectin-1
LBL-152
WGA
Orf-Tag
DSL
human Galectin-1
VVA
HA (Vicia villosa)
CC(G-10077
RCA(Vicia
Mouse NK8-PTC
GSL-II(EY Lab)
WT Galectin-8
Galectin-8
GalA
SBA
SBA
LSL-PA
PA-IL
SSA1
WGA multimer
TcBT
GAL
GAL3
WGA
WGA(Seikagaku, Bio)

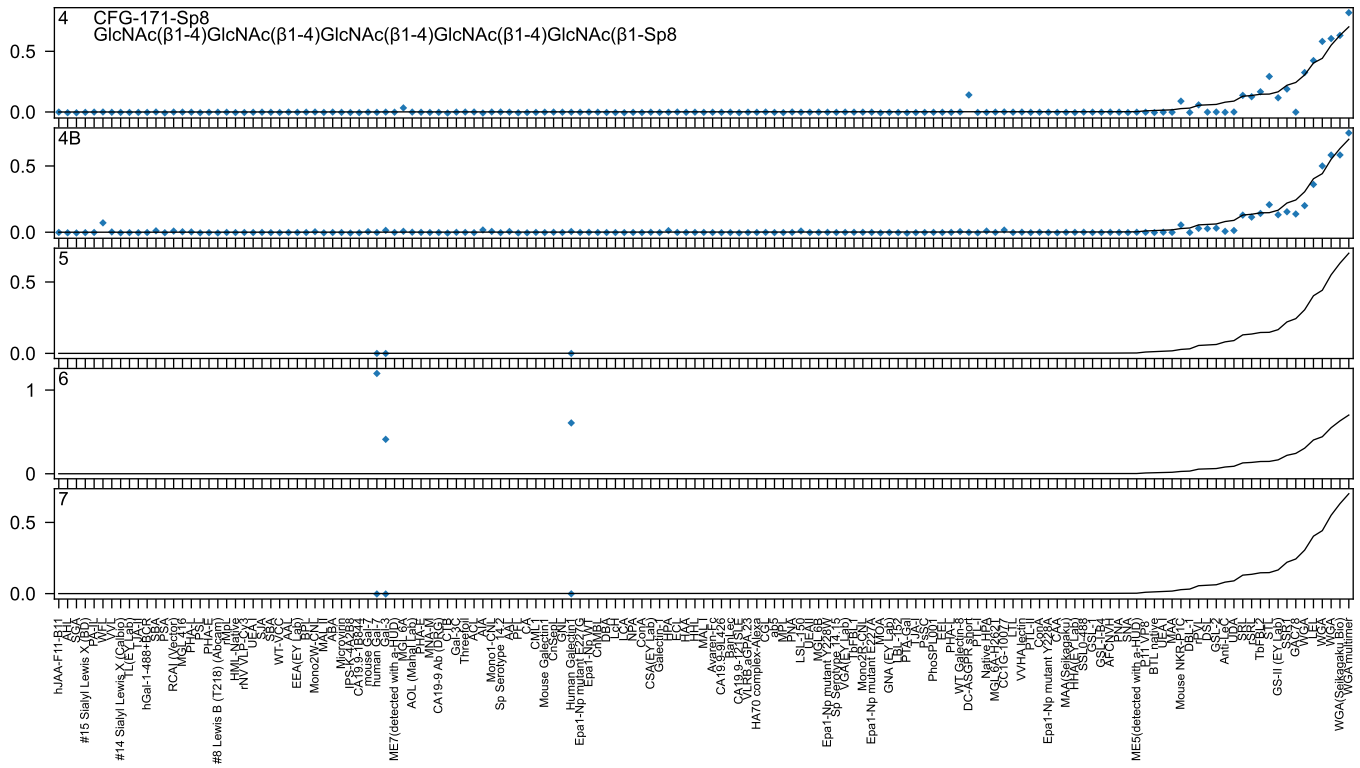

4
CFG-166-Sp0
GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.0
0.2
0.5
SIA
SIA
CNL
Mono2W-CNL
ABA
ABS
IPS
Microvibrio
CA19.9-2-Sp
CA19.9-1-Sp
LBL
CGL
CGL
HA70 complex-Alexa
AIL
ABL
WGA(Seikagaku)
Bap
WFL
UDA
TxLA
SBA
PSA
PNA
EEA(EY Lab)
GNA (Ex Lab)
CoNBL
Epa1-Np mutant 222G
Epa1-Np mutant 222G
Epa1-Np mutant 228W
WT Galectin-8
Sp Serotype 14.2
DC-ASGPR-Fc
MGL 418
#14 Sialyl Lewis x (Calbio)
#7 Sialyl Lewis x (Calbio)
#8 Lewis B (1218) (Abcam)
SSL0 488
WT-XCC
MVA-M
VGA(EY Lab)
GSL
SBA
PAA
HHA(EY Lab)
PHL-I
hJAA-F
PHL-II
HAA
DBA
GSL
PTA-Gal
PA
Mono2R-CNL
Mono1-CNL
ACL
Thrombin
Gal-3C
MPL
Mouse Galectin1
CCA
CSA(EY Lab)
CAA
MPA
NPA
PHA-E
MAA(Seikagaku)
PHA-L
PHA-E
MGL 6A-H251
CNL1
TL(EY Lab)
Epa1-Np mutant 222T
Epa1-Np WT
VLRB aGPA 33
Mouse GSL-I B4
Sp Serotype 14.15
NEA
BTL
Native-HPA
CA19.9-Sp 226
CA19.9-Sp 226
WGA
CHA
HPA
MGL
CTAB
VVH
CA19-9-Sp 1
CA19-9-Sp 1
AOL (Merck)
AOL (Merck)
RCA(Vector)
PNA
LEL
hGal-1-488+ssDNA
EEL
ME7(detected with a-HEL)
DBL(1)
Avenin-1
MGL-6A
PTL
PAP
CAA-1
human CTB
CTB
STL
Gal-9
GC1-Gal
GC1-Gal
Human Galectin-7
ME5(detected with EY Lab)
RNV VLP
CCL2
mouse Gal-7
mouse Gal-2
WGA mutant
SSA
SSA
SSB
SSB
BCL
TbFBL2

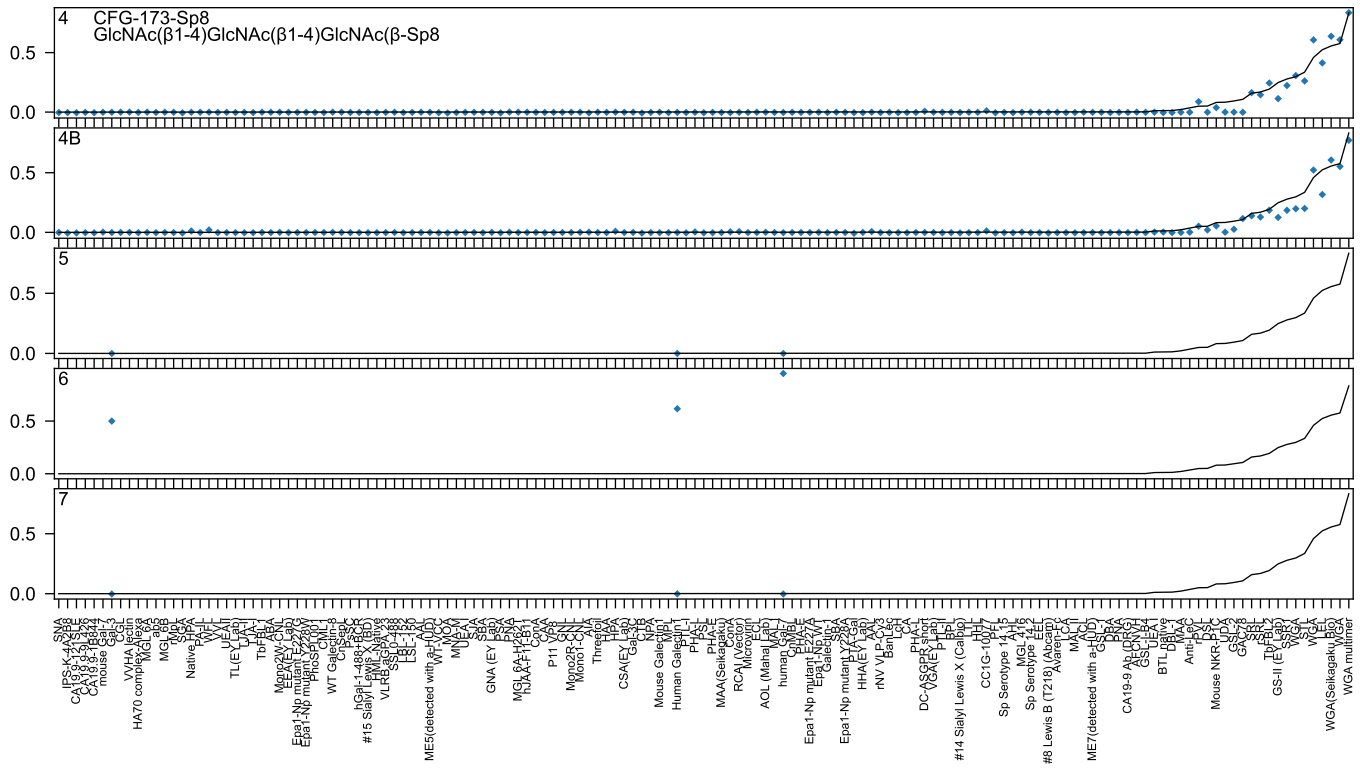

4
CFG-167-MDPLys
GlcNAc(β1-4)MDPLys
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
SNA
CA19.9-9L
429
mouse Gal-3
BanLec
HA70 complex
MGL-6A
CC1G-10077
SSA
SSA
Native-PFA
PNA
WFL
TL(EY Lab)
TL(EY Lab)
LTA
BSA
BSA
PNA
PNA
BPL
EEA(EY Lab)
CnWGA
Epa1-Np 001
PNA
CnSepB
DC-ASGPR
SJCT
MGL-418
MGL-418
hGal-1 X-Calpbp
Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (BD)
NVC Lip-Ox3
SBL-188
SBL-188
WT-AAL
MOX
MNA-M
VGA(EY Lab)
UEA
SSA
SSA
VLRB.aGPA-23
MGL 6A-Fc2
hJAA-F11-B1
Human Galectin-1
DBA
DBA
Mouse Galectin-1
PSL
MPL
MPL
GNL
Thaspsin
GSL
ACL
GSL-IV
LTA
P-FL-I
CVN
CVN
HPA
HPA
GSA(EY Lab)
Mono2K-CONI
NPA
MAA
ECL
ECL
NPA
PHA-L
PHA-E
LEL
LEL
UEA
GSL-IA4
GSL-IA4
Avren-Fc
HML-Nelfin
Epa1-Np mutant E227A
Epa1-Np mutant Y226A
Epa1-Np mutant Y226A
MGL-B3
Sp Serotype 14
Epa1-Np mutant Gal226V
MAA(Seikagaku)
WT Galectin-8
Sp Serotype 1
SRL
GNA (EY Lab)
#8 Lewis B (T218) (Abcam)
UEA
VVGA
Epa1-Np mutant E227A
CA19-9 Ab (DRG)
CA19.9-1B3a
CA19.9-1B3a
CA19.9-1B3a
IgG-Fc
BTL-Fucose
Galectin-8
Galectin-3C
Mono1-CONI
PSL
GS-II (EY Lab)
LsL-150
Microvirin
Mono2W-CONI
PNA
MAL-I
AOL (Mahal Lab)
human Gal-7
HHA
AEL (Lab)
PTA-Gal
ISTL
VVHA lectin
ME7(detected with a-RUD)
DBL-1
Ant-LBC
ME5(detected with a-RUD)
Mouse NKR-P1C
WGA multimer
TKGA
WGA
WGA(Seikagaku)
WGA

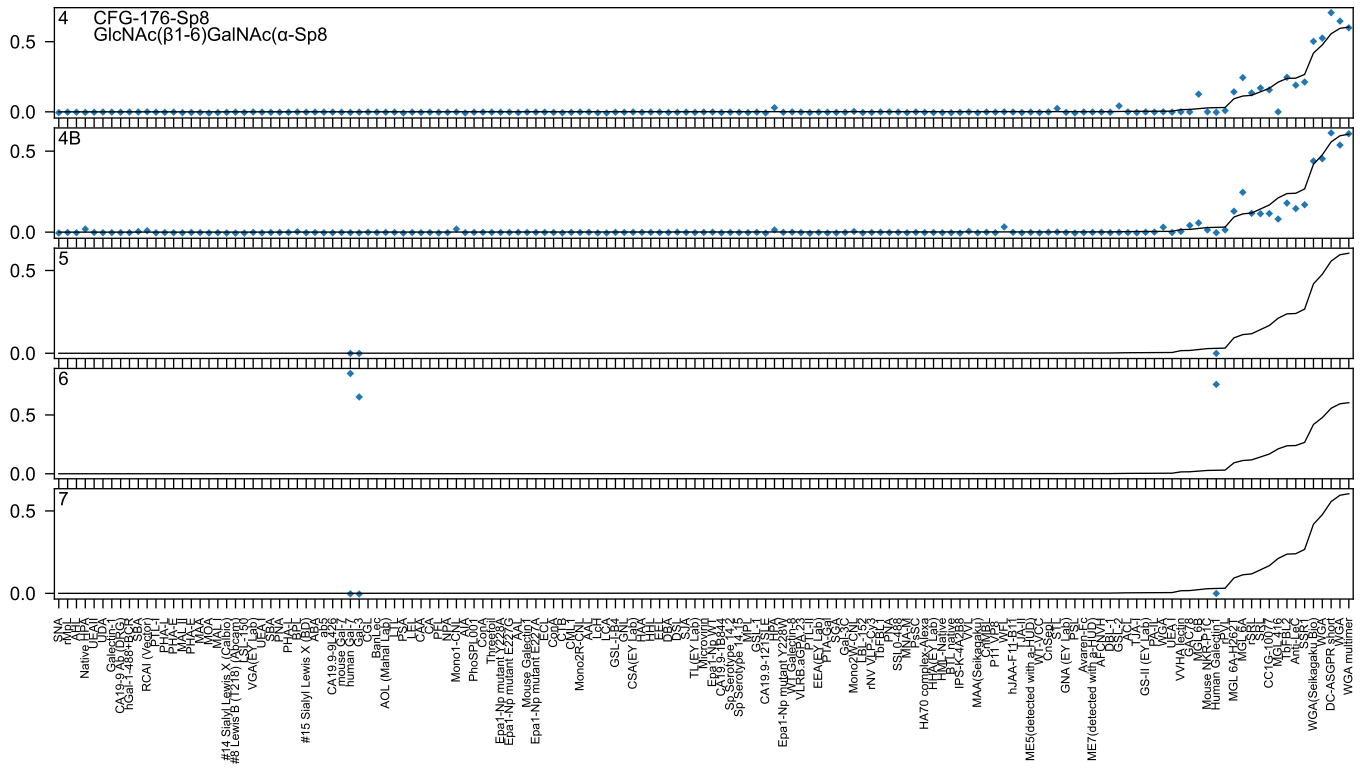

4
CFG-168-Sp8
GlcNAc(β1-6)[GlcNAc(β1-4)]GalNAc(α-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
Mono2W-SNA
AEA
AOL (Mahal Lab)
IPS
Microvibin
CA19-9-1A28
CA19-9-1B64
Human IgM
BanLec
VVHA
tBPI
HA70 complex-Alexa
Tbx-Lec
mDpl
ASA
PAL-I
WGA
UEA-I
UEA-II
TL(EY Lab)
DBA
DJA-I
GSL-I(EY Lab)
GSL-II(EY Lab)
Epa1 Control
Epa1 V228W
Epa1-Np mutant
PhoS-PLD1
WT Galectin-8
Galectin-1
Galectin-7
Galectin-3
Galectin-9
Sp Serotype 19A
Sp Serotype 14-15
DC-SIGNR
ELA(EY Lab)
#15 Sialyl Lewis X(BD)
#8 Lewis B (T218)(Abcam)
ME7(detected with α-HUD)
LBL
MGL2
VGA(EY Lab)
MVA-M
SBA
hGal-1-488+EDTA
hGal-1-488+DTT
MGL 6A-Hoe
PSA
GSL-I-B4
HPA
DSA
GNA
GSL-I
GSL-A
PNA
BPL
Mono2R-CNF
Mono1-CNF
AIA
Threolin
KPB
MPA
AAL
Mouse Galectin-1
Human Galectin-1
UEA-I
LCA
hJAA-F1
MAL II
PHA-L
PHA-E
PHA-P
PTA-Gal
PHA-E
MAA(Seikagaku)
MAA(Vector)
CA19-9-1F5
CA19-9-1A28
Epa1 No mutant E228A
Epa1 No mutant
Sp Serotype 14
Sp Serotype 19A
Epa1-Np mutant E228A
CA19-9-1A6
psSA
ConA
CSA(EY Lab)
ConA
Gal-3B
Gal-3
MGL-Native
HIM
#14 Sialyl Lewis X (Calab)
CC1G
CC1G-Q94
VLRB.aGPA
Naive HPA
Naive PNA
RCA(Vector)
PAP-3
PTX
SSL
rNV VP1
MGL-CY3
PSL
MGL-1
SSA
ME5(detected with α-HUD)
mouse GalC
mouse GalZ
p11
VGA
AFCS
WGA
Mouse NKR-P1C
ISA
ISL
Tbx-Lec
WGA(Seikagaku, Bio)
WGA(Bio)
WGA(Vector)
WGA

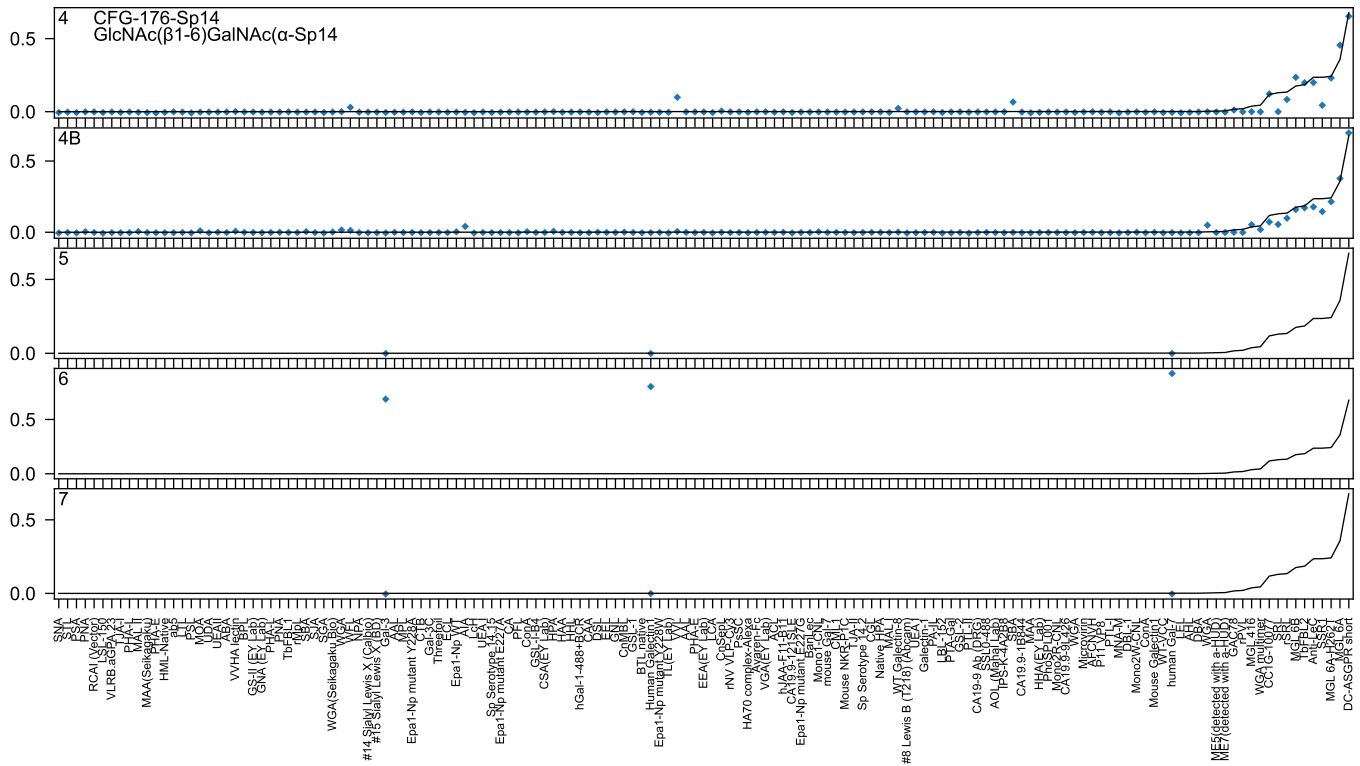

4
CFG-169-Sp8
GlcNAc(β1-4)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
PNA
LTA(EY Lab)
LTA
CEA(EY Lab)
BPL
Mono2W
ABA
AOL (Mahal Lab)
IPS-K-4A
mouse Gal-7
human Gal-7
Gal-3
Dolichos
WGA(Seikagaku Biq)
AGA
ACA
WFL
VVL
UEA-I
ECA
PHA-L
SBA
SJA
UEA-II
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant S228I
CA19-9 Ab (DRG)
Avarigen-Fc
Galectin-3C
Sp Serotype 1
Sp Serotype 14-2
Sp Serotype 14-3
#15 Sialyl Lewis X (BD)
rNV1_native
SSL-188
ME7(detected with a-NCD)
ME5(detected with a-NCD)
MGL 6A-H2B2
LCA
GSL I-B4
CSA(EY Lab)
HPA
PSA
SNL
GNA
CAA
PFA
Mono2R
Mono1
ACL
Mouse NKR
AOL
Threelgl
Galectin-8
MPL
ANL
Mouse Galectin-1
Human Galectin-1
ConA
NPA
hJAA-F11-B11
PHA-E
PHA-P
RCAI (Vector)
MAH
MAL II
LTL
MAL
MAA(Seikagaku)
WGA
TJA-I
TJA-II
AIA
UEA-I
VLRB.aGPA.33
CA19-9(Biolegend)
Epa1-Np mutant E227G
CA19-9-Ab(Fab)
TKB2
CA19.9-Ab
Epa1-Np mutant S228A
MGL 6A
#14 Sialyl Lewis X (Calbiochem)
HA70 complex-alexa
VVA(HA lectin)
VAC(EY Lab)
CorA
#8 Lewis B (T218) (Abcam)
Mouse IgG
GAL8
GRL
Banlec
CC1G-10027
PTA
PNA
P11
VDA
DC-ASGPR spot
DSL
GSL-II (EY Lab)
Native
HPA
WGA
SEL
WGA multimer

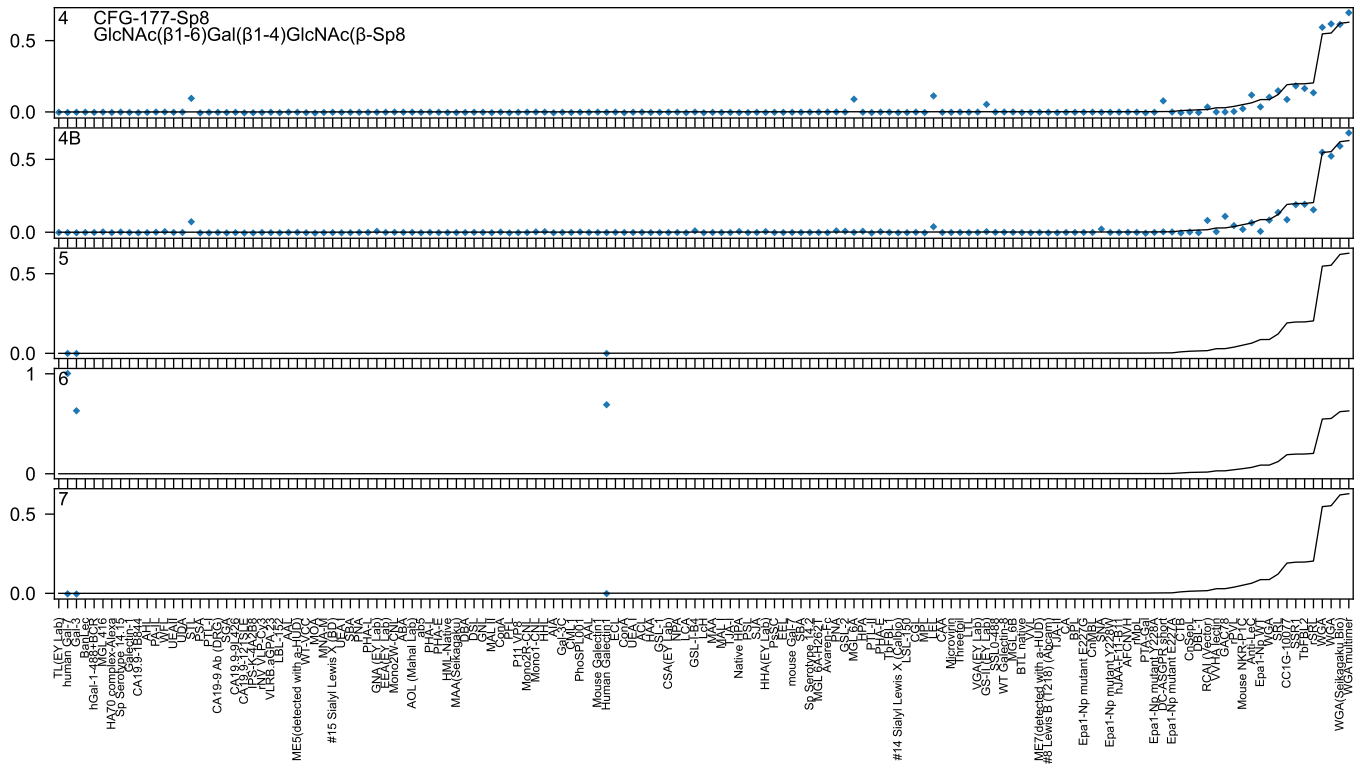

4
CFG-170-Sp8
GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-Sp8
4B
5
6
7
0.0
0.5
1
hJAA-F11-BA
SGA
SGA
MOA
MNA
NPA
VGA(EY Lab)
SBA
GNA (EY Lab)
PNA
BPL
Mono2W-abs
PHA-L
MonoW
WGA
RCA I (Vector)
CA19.9-1B84
SBA
Gal-3
TJA-I
TJA-II
ME7(detected with a-HUD)
Bandeiraea
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E229K
HA70 complex-Alexa
Epa1-Np mutant Y228W
Human Galectin-1
Mouse Galectin1
PhoSPG
AOL
CML1
WT Galectin
CTB
Gal-3C
Thymus-E
Avarem-E
AOA
PA-L
Galectin-11-15
Sp Serotype 4
PFE
WGA
ConA
MGL-4-18
hGal-1-4B84
GNL
#15 Sialyl Lewis X (BIA)
UEA-I
UEA
MAL
iPS-K-4A2B8
Epa1-Np mutant P225G
Epa1-Np mutant E229G
Sp Serotype 1
Sp Serotype 14
Sp Serotype 15
Native-HA
MGL-6B
CSA (EY Lab)
ToFBL-1
human Epa1-Np mutant E229G
CCTG-100/7
HML-Native
CnSBL
MGL-6B
Epa1-Np mutant P225G
mouse Gal-2
VLRB.aGPA.23
CA19.9-121
SLE
PTA
PSA
MGL-6A
CA19.9-9H.426
MAA(Seikagaku)
LBL-162
Mono1-CNL
AOL (Mahal Lab)
CA19.9-1.CEV (Tag)
Mono2R-CNL
EVOHA (Lab)
EVOHA (Lab)
MAL
EAA
EEA
PHA-L
SCA
GSL-I
WT-SBA
SSLO-F88
P11-V78
GS-I-UDB
ME5(detected with a-HUD)
#14 Sialyl Lewis X (BIA)
HHA (EY Lab)
APCNNH
MAA
MNA
ConA
nN VLR-C-V3
DC-ASGPR-Short
DC-ASGPR
DEA
MAA
GNA
Anti-LeC
PSL
UDA
UEA
Mouse (NEY Lab)
GSL-I-B4
ToFBL-2
GNA
SSB
rsSL
SSA1
WGA
WGA
WGA(Seikagaku) Bio)
WGA(multimer

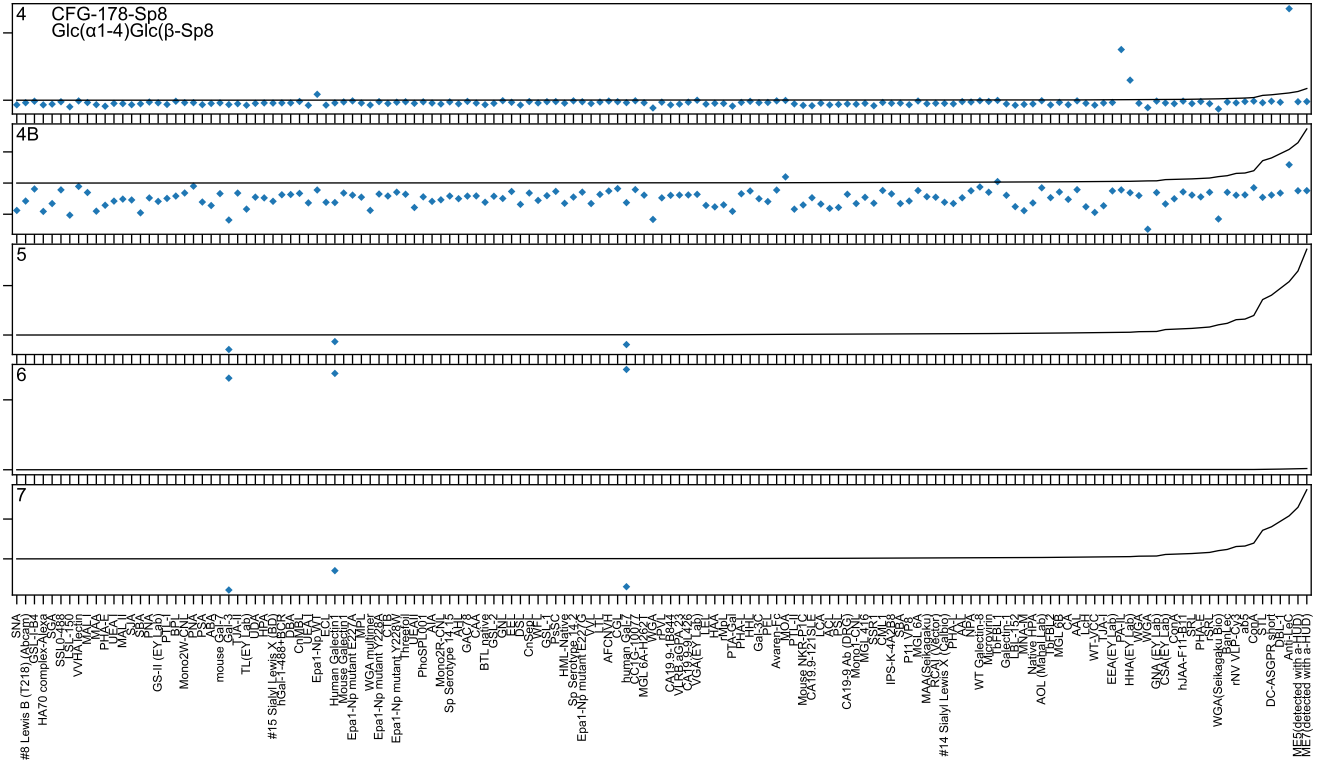

4
CFG-171-Sp8
GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β1-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
SGA
#15 Sialyl Lewis X
PAD
WF
#14 Sialyl Lewis X (Calbio)
TLE (Lab)
hGal-1-488+BCR
BSA
RCA (Vector)
MVF
PHA-P
PHA-E
PHA-L
#8 Lewis B (T218) (Abcam)
AIA
HML-N
nVVLP-CX3
UEA
SBA
WT-Galectin-8
AAL
EEA(EY Lab)
Mono2W-CNI
MAA
IPS
Microvillin
CA19.9-1(BB342)
human Gal-7
mouse Gal-7
human Gal-3
ME7(detected with α-Lac)
AOL (Malha Lab)
MNA-M
CA19-9 Ab (DSL)
Gal-3C
Threepio
XAA
Mono1-1-2
Sp Serotype 14-2
AAA
ACA
CA
CMH-1
Mouse Galectin-1
CnSerpin
GNL
Human Galectin-1
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1 CHO
MBL
DBA
LCA
NPA
CCA
CSA(EY Lab)
Galectin-1
HPA
ECA
LTA
MAL
MAL-I
Avarol
CA19.9-sialyl-426
CA19.9-PAT1SE
VLRB.aCPA.23
HA70 complex-Vega
ABA
ABS
MPA
PNA
LSL-II
MGL-88
Epa1-Np mutant 224Y
Sp Serotype 14-2-Y
VGA(EY Lab)
Mono2R-CNI
Epa1-Np mutant E227A
GNA (EY Lab)
PAA
P-Gal
P-Glc
PhosP-Ubl
PTEE
WT Galectin-8
DC-ASGPR
sIgG1
Naive HPA
MGL-10047
CCL-10047
VVHA (Jeff)
LTL
Epa1-Np mutant Y228A
CAA
MAA (Seikagaku)
Hirabiose
SSL-0488
GSL-I-B4
AFCNM
SNA
ME5(detected with β-1-Lac)
BTL (Vector)
BTL (native)
UEA-I
Mouse NKR-P1C
DSA
EVL
GNL
Anti-LeC
SNA
SBA
RCA
Tbo-Lectin
SNL
GS-II (EY Lab)
GAC78
WFA
WGA
WGA (Seikagaku Bio)
WGA (multimer

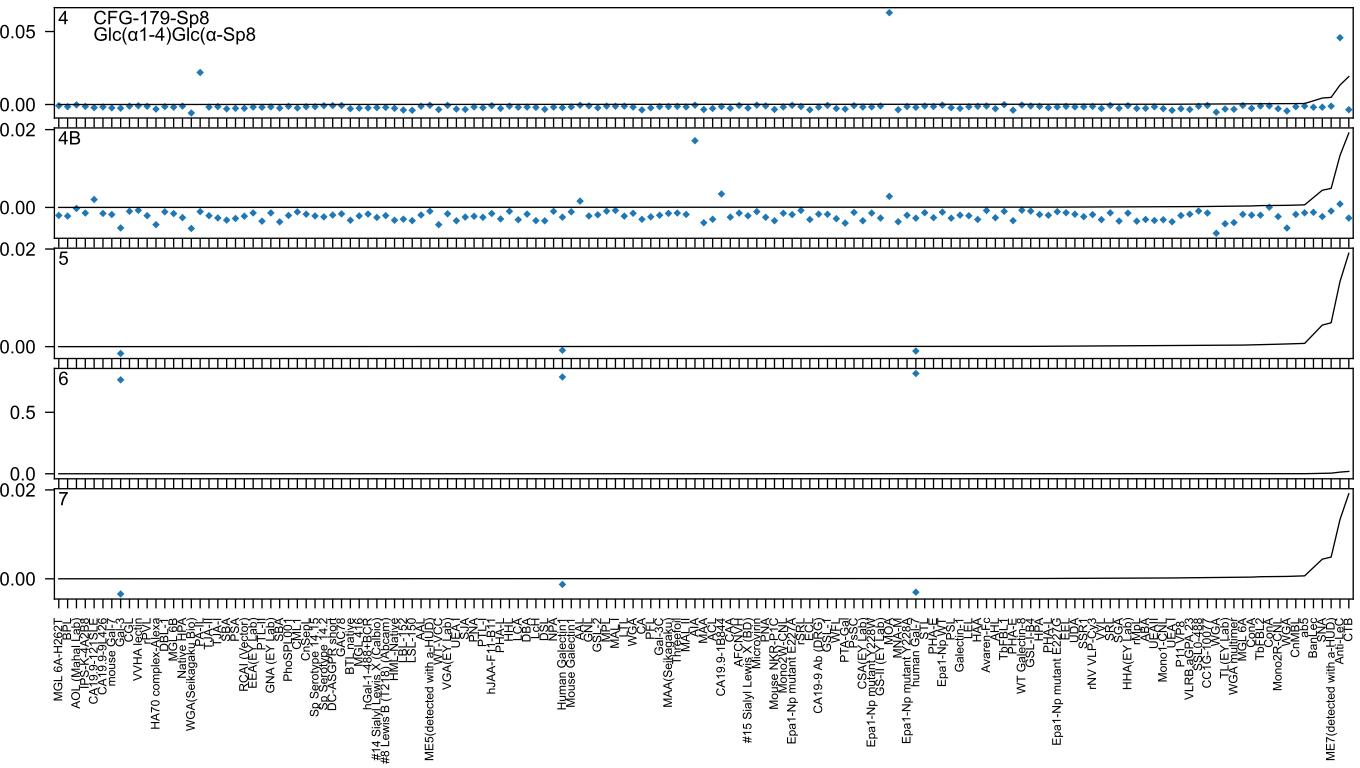

4
CFG-173-Sp8
GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.0
0.5
SNA
SNA
IPS-K-4
CA19-9 (21
CA19-9 (18
CA19-9 (18
mouse Gal-7
CGL
VVHA lectin
HA70 complex
MGL 6A
MGL 6B
Nvp
Native-HPA
PAL
PAL
VVT
UEA
TL(EY Lab)
LAA-I
LAA-I
Tb PBL
Mono2W-ABA
EEA(EY Lab)
Epa1-Np mutant Y229G
Epa1-Np mutant Y229A
PhosPhos-101
WT Galectin-8
CipSep
hGal-1-488-BCB
#15 Sialyl Lewis X (Ed
VLRB.aGPA 293
SSL-188
LSL-156
ME5(detected with a-1(UD)
WT-XCC
MNA-M
UEA
SBA
GNA (EY Lab)
PNA
PNA
MGL 6A-HRP
hJAA-F11-B11
ConA
P11
Vp8
Mono2R-CNL
Mono1-CNL
Threo
HPA
CSA(EY Lab)
Galectin-3
NPA
Mouse Galectin1
Human Galectin1
PHA-L
PHA-E
PHA-L
MAAA(Seikagaku)
RCA (Vector)
Microvirin
AOL (Mahal Lab)
hAOL (Mahal Lab)
human CD69L
Epa1-Np mutant E225T
Epa1-Np WT
Galectin-8
Epa1-Np mutant Y229A
HHA(EY Lab)
rNV VLP
Con A
BanLec
LCA
PHA-L
PHA-L
DC-ASGPR
VSA(EY Lab)
PTL
#14 Sialyl Lewis X (Calbio)
BPL
hIL
CC1G-1007
Sp Serotype 14.15
Sp Serotype 14.2
MGL A1
#8 Lewis B (T218) (Abcam)
Aviaren-F2
MAL
ME7(detected with a-1(UD)
GSL-I
PNA
PNA
CA19-9 Ab (ORIG)
GSL-I-B4
UEA I
BTL-DBL-1
WAA
Anti-PNA
PNA
Mouse NKR-P1C
UDA
UDA
GSL-I-B4
SBA
SBA
Tb PBL2
GS-II (EY Lab)
WGA
WGA
VGA
WGA(Seikagaku)
BEL
WGA multimer

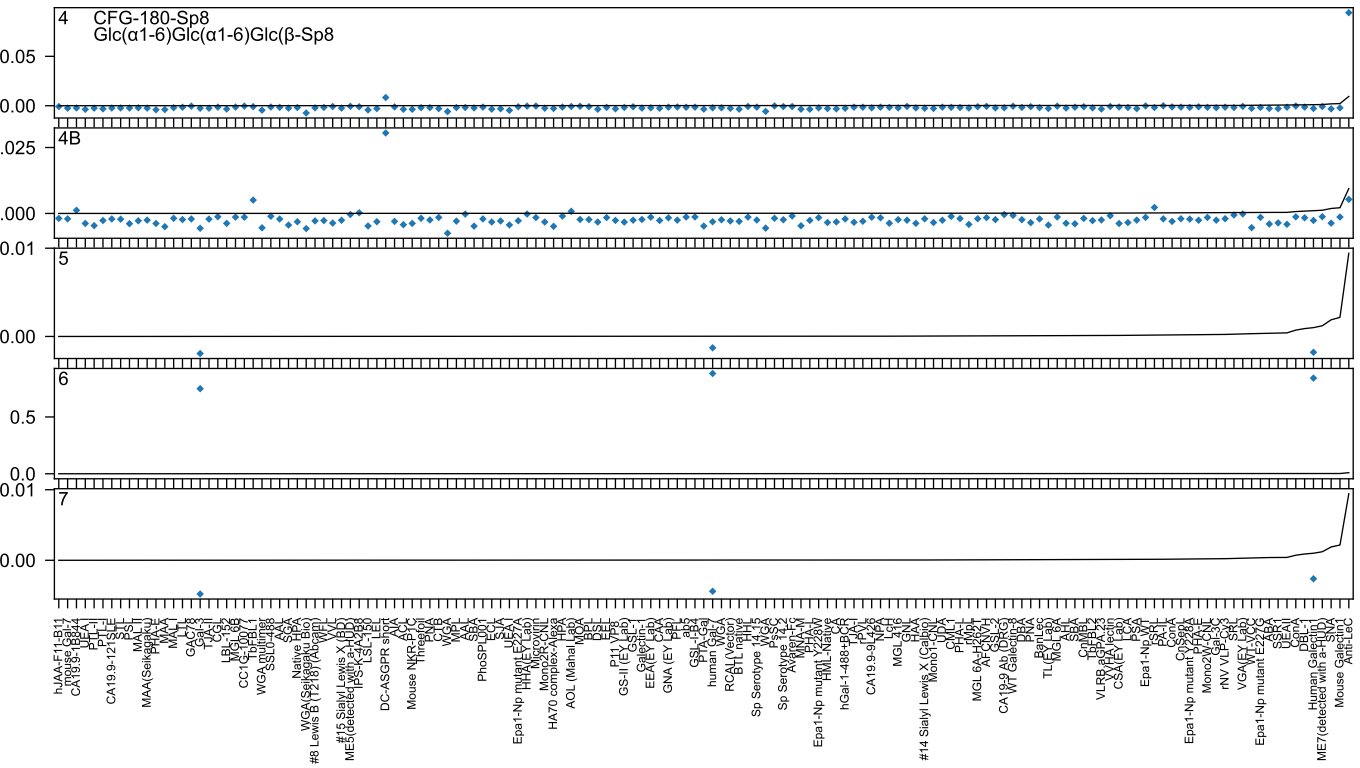

4
CFG-176-Sp8
GlcNAc(β1-6)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
SNA
nSNA
ABL
Native ABL
EAH
UDA
Galectin-1
CA19-9 Ab (DRG)
hGal-1-488+
SBA
RCAI (Vector)
PHA-L
PHA-E
PHA-L
PHA-E
WGA
MAA
MAL I
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (Calbio)
LSL-150
VGA(EY Lab)
UEA
SBA
PHA-L
#15 Sialyl Lewis X
ABA
CA19.9-9L
CA19.9-9H
mouse Gal-7
human Gal-7
Gal-3
CGL
Bat Galectin
AOL (Mahal Lab)
PSA
LEL
CAA
PPL
Mono1-CNL
PhoSPL (UV)
ConA
Epa1-Np mutant Y229A
Epa1-Np mutant E227G
Mouse Galectin-1
Epa1-Np mutant E227A
CoCA
CNL
Mono2R-CNL
LCH
LCA
GSL-I
GNL
CSA(EY Lab)
HHL
HPA
DBA
DSL
TL(EY Lab)
Microvill
CA19.9-1B844
CA19.9-1B844
Sp Serotype 14,2
Sp Serotype 14,2
MPL
GSL-I-B4
CA19.9 - 2SLE
Epa1-Np mutant Y229A
VLRB aGPA-21
EEA(EY Lab)
PTA
SGA
Galectin-3
Mono2-CNL
CBL-192
rNV VP-6K3
TJA-I
PNA
SNA-488
PsSC
HA70 complex
PHA(EY Lab)
TJA-II
IBL-Native
IPS-K-A2388
MAA(Seikagaku)
CrCML
PTI
WFL
hJAA-F11-B11
ME5(detected with a-HUD)
WT-SecC
STL
GNA (EY Lab)
Avarol-Fc
ME7(detected with APCNOH)
QBP-2
ACC
GS-II (EY Lab)
PAL
UEA-I
VVHA (ecto)
MGL-68
Mouse Galectin-9
Human Galectin-9
PWM
MGL 6A
MGL-6A
TSB
CC1G-10/17
MGL-6A
Anti-LEC
WGA(Seikagaku)
DC-ASGPR
WGA
WGA
WGA multimer

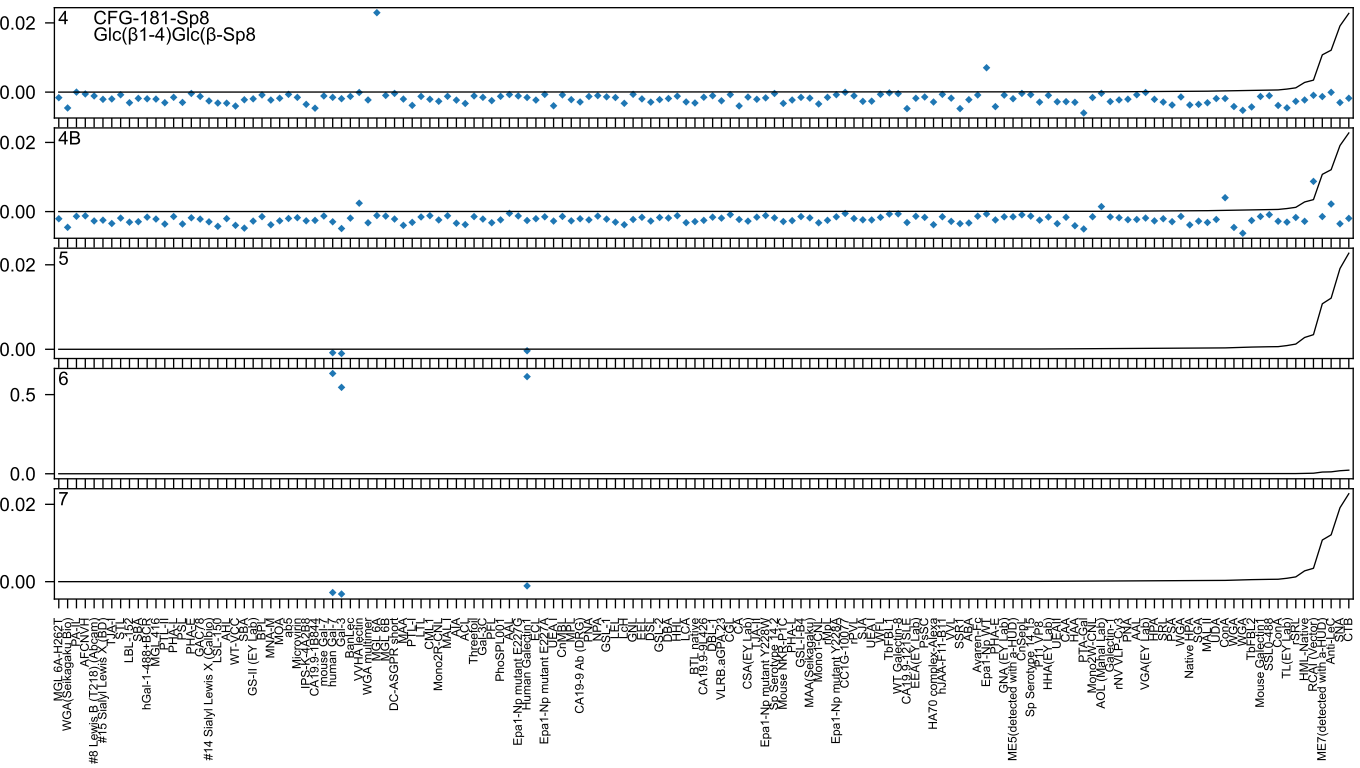

4
CFG-176-Sp14
GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
SNA
SNA
PSA
PSA
RCAI (Vector)
VLRB.aSP-1
PHA-L
PHA-E
MAA(Seikagaku)
HML-Native
ABA
PST
MOA
UEA-I
ASA
VVHA (Lab)
BPL
GSII (EY Lab)
PHA-L
GNA (EY Lab)
TbFBL-1
NPA
NPA
SJA
SJA
WGA(Seikagaku)
BPL
WGA
WGA
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
Gal-3
MPA
Epa1-Np mutant Y228A
Gal-3C
Threonin
Epa1-Np WT
AIA
UEA
Sa Serotype 1
Epa1-Np mutant E227A
PCA
PCA
CopA
GSV-I B4
CSA(EY Lab)
HPA
HPA
HHA
hGal-1-488+BCR
DSA
EEL
EEL
Con A
BTL
Galectin-8
Human Galectin-1
Epa1-Np mutant Y228A
LEL (Vector)
VVL
VVL
PHA-E
EEA(EY Lab)
EEA
rNV VP
CnSecl
PSA
HA70 complex-Alexa
VGA(EY Lab)
A11
hAA-F11
A11
CA19.9-1213-LE
Epa1-Np mutant E227A
Mono1-CNL
mouse Gal-1
Mouse NKR-P1C
Sp Serotype 14
Native CEA
MAL1
WT Galectin-3
#8 Lewis B (72.18)
UEA-I
Galectin-1
PAL-152
PAL-3
GSL-I B4
CA19-9 Ab (DRG)
SSL1-488
AOL (MUC1)-488
hB-K-Ala-488
CA19.9-1116
SBA
WAA
HAA(EY Lab)
Mono2-CNL
CA19.9-WGA
MicroVD
β1-CVN8
MVL
DBL-1
Mono2VCnL
GNA
Mouse Galectin1
human Gal-7
AEL
DBA
WGA
ME5(detected with a-HUD)
ME7(detected with a-HUD)
GNA
MGL 416
CC1-G-100174
SBL
MGL-68
ATL-PL2
SSL1
MGL 6A
MGL 6A
DC-ASGPR short

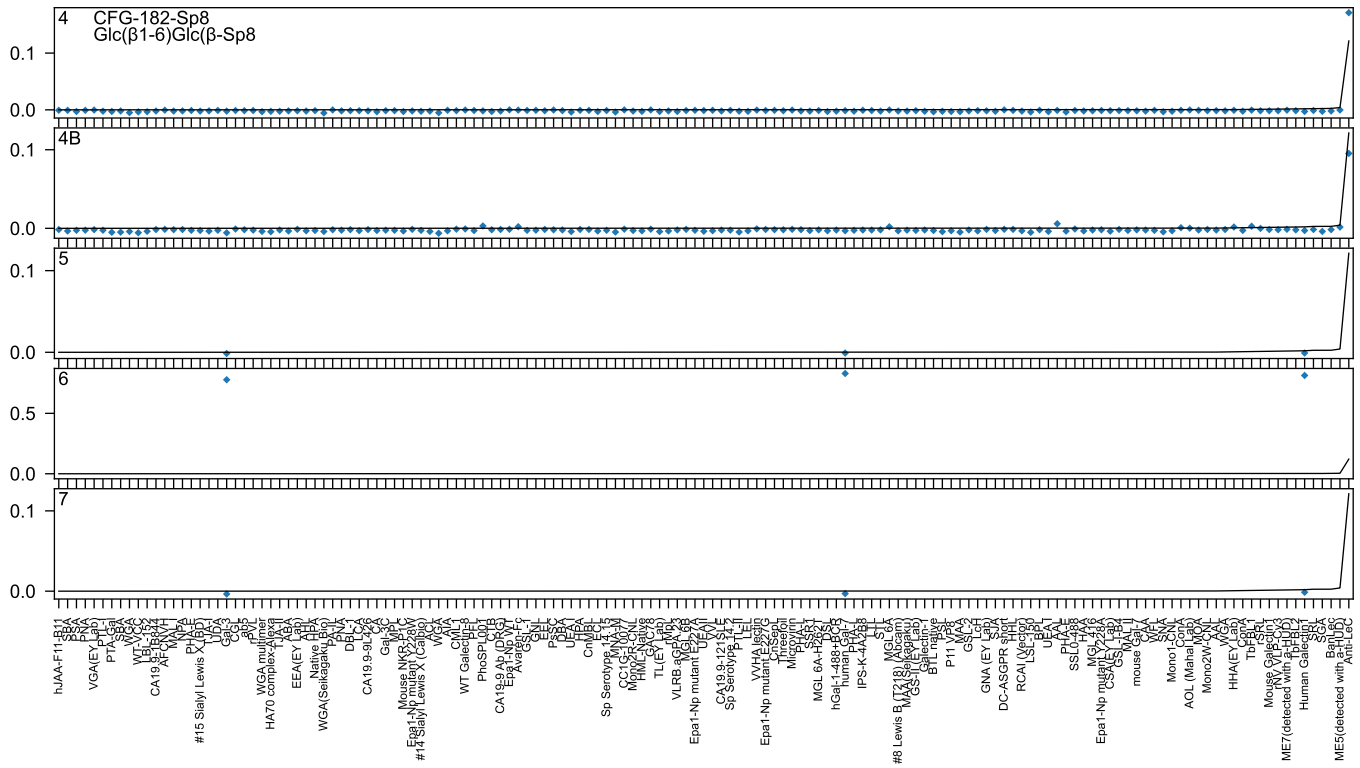

4
CFG-177-Sp8
GlcNAc(β1-6)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
TL(EY Lab)
human Lec
Gal-3
Sp Serotype 14-13
CA19-9
CA19-9 Ab (DRG)
ME5(detected with a-HUD)
#15 Sialyl Lewis X(BD)
Mouse Galectin
Human Galectin
#14 Sialyl Lewis X(Calbiochem)
Mouse NKR-P1C
WGA(Seikagaku Biol)
WGA(multimer)

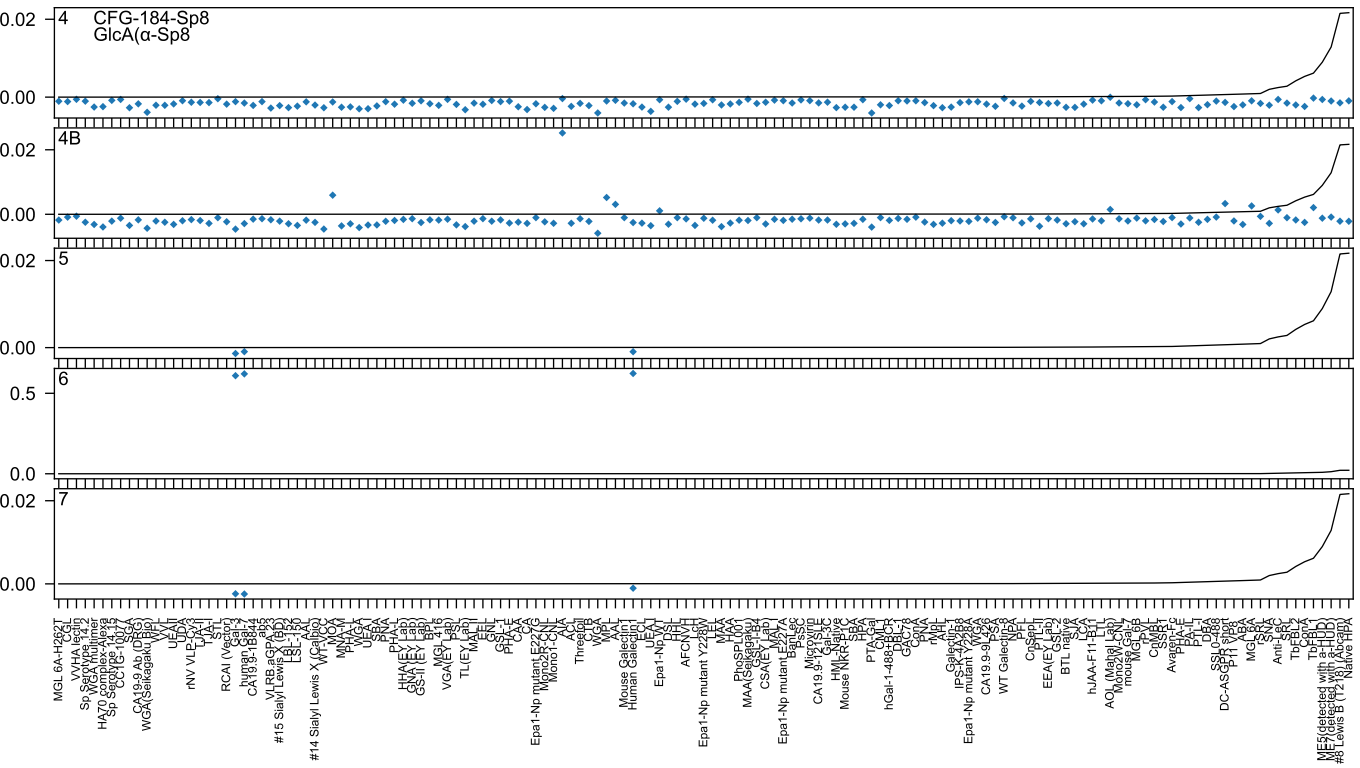

4
CFG-178-Sp8
Glc(α1-4)Glc(β-Sp8
0.05
0.00
4B
.005
.000
.005
5
.005
.000
6
0.5
0.0
7
.005
.000
SMA
#8 Lewis B (T218) (Ab-Lab)
GSL-I-B4
HA70 complex-Neo
SSL-I-488
SSL-I-488
VVHA lectin
MAL
PHA-E
MEL-I
SJA
SNA
PNA
GS-II (EY Lab)
BPL
Mono2W-PNA
PNA
PSA
Gal-2
mouse Gal-2
Gal-3
TL(EY Lab)
UDA
UEA
#15 Sialyl Lewis X (Bio)
hGal-1-488+
PSA
Con A
Epa1-Np WT
Epa1-Np
Human Galectin
Mouse Galectin
Epa1-Np mutant E227A
WGA
WGA mutant
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
TritiPEA
PhoSPL
AOL
Mono2R-CNL
Sp Serotype 1
A1S
GAC-8
GAC-7
BTL native
GSL-I
EEL
EEL
CnSpA
WFL
GSL-I
GSsS
GSsC
HWL-Native
Sp Serotype 1
Epa1-Np mutant E227A
VVL
AFCNVH
human Gal-7
CCL-1
MGL 6A1-1007
WGA
PEA
CA19.9-1
CA19.9-2
VRA
VRA aGP-33
CA19.9-1 (EY Lab)
CA19.9-2 (EY Lab)
LEL
LEL
Man
PAA
PAA-Gal
HHL
Galectin-8
Avarem-FC
PNA
PNA
Mouse NK5-B1C
CA19.9-1
CA19.9-2
TCA
TCA
BSL
CA19-9 Ab (DRG)
MGL-1-216
MGL-1-216
SSA
SSA
IPS-K-4A2B8
P11-3B8
MGL 6A
MAA(Seikagaku)
ACA(Seikagaku)
#14 Sialyl Lewis X (Calbio)
PHA-L
AAL
NPA
WT Galectin-1
Mycoplasma
BPBL
Galectin-1
LBL-152
Galectin-1
Native HPA
AOL (Matrix Lab)
MGL-1-B
MGL-1-B
ACA
ACA
LCH
WT-1
UAC
EEA(EY Lab)
HHA(EY Lab)
WGA
WGA
GNA (EY Lab)
CSA(EY Lab)
hJAA-F11-811
PHA-E
PHA-E
WGA(Seikagaku)
SSL
Banlec
rNV VLP-CK3
CK3
CD9A
DC-ASGPR-sol
Sn
DBL-1
MEF5(detected with a-HUD)
MEF7(detected with a-HUD)

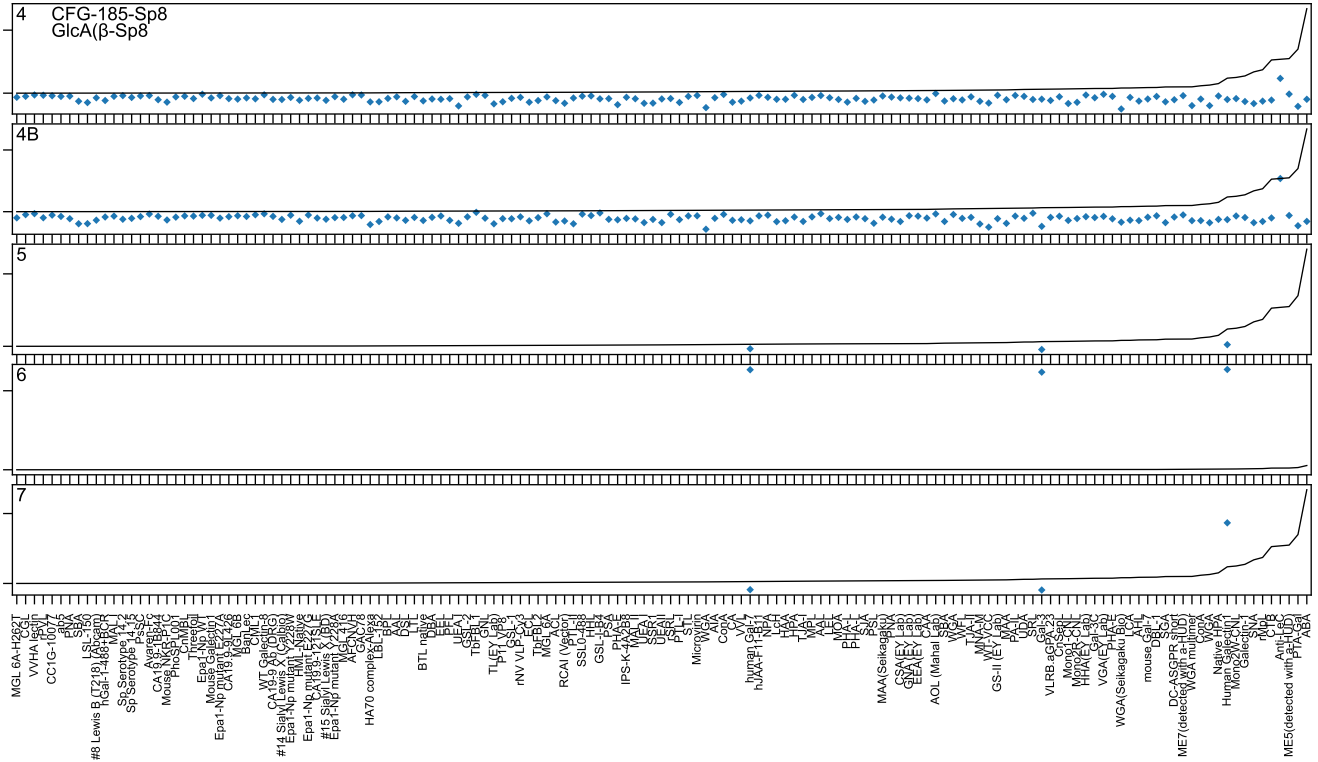

4
CFG-179-Sp8
Glc(α1-4)Glc(α-Sp8
0.05
0.00
4B
0.02
0.00
5
0.02
0.00
6
0.5
0.0
7
0.02
0.00
MGL 6A-H(2G7)
BP1
AOL (Mahal Lab)
CA19.9-21-SE8
CA19.9-1-426
mouse Gal-3
Lcn
Lcn1
PSV1
VVHA (EY Lab)
HA70 complex-Glc/Lactose
MGL
Nanaomycin E
WGA(Seikagaku Biol)
EA-1
EA-2
UVA-1
PSA
BSA
RCA(Vector)
RCA I (Vector)
EEA(EY Lab)
EY-1
GNA (EY Lab)
ABA
PhoSPD-1
SNL
Gnl
Gnl1
Sp Serotype 14-13
Sp Serotype 14-12
DC-SIGNR-Fc
GAL-8
GAL-8
BTL-1
MGL-416
hGal-1-488-BCR
#14 Sialyl Lewis A (Accam)
#8 Lewis B (1121B) (Accam)
HMA (Lab)
LSL-1
LSL-1-B5
ME5(detected with a-HUD)
AET (VCC)
VGA(EY Lab)
UEA1
PNA
PHA-L
hJAA-F
PHA-E
PHL
PHE
DBA
DSL
DSI
NPA
Human Galectin1
Mouse Galectin1
AAL
GSL2
MPL
MAL
HL
WGA
PSL
PSE
Galectin-8
MAA(Seikagaku)
Thrombo
Mac2
AIA
MAA
CA19.9-1-B244
AFCVA
#15 Sialyl Lewis X (BD)
Microvin
PWA
Mouse NKG2D-Fc
Mouse CD94-Fc
Epa1-Np mutant E227A
PSL
CA19-9 Ab (DRG)
GNL
PTA-Sal
CSA(EY Lab)
Epa1-Np mutant E228A
Epa1-Np mutant E228Q
GSH (EY Lab)
MOA
Epa1-Np mutant M228A
Epa1-Np mutant M228Q
human Gal7
PHA-E
Epa1-Np-Fc
Galectin-1
HPA
Avarem-Fc
TJA-I
TJA-II
WT Gal-1-B4
GSL-I-B4
PHA-L
Epa1-Np mutant E227G
UEA
SSA1
rNV VLP
VVL
SSA
HHA(EY Lab)
MAA
UEA1
Mono UEA1
P10
VLRB
SEC-488
CCTG-W027
TJ (EY Lab)
WGA Nuclear
Tc-cinA
CBA
Mono2R-VCN
CnMB
ABS
Bap
ME7(detected with a-HUD)
SNA
Anti-HJ
CTB

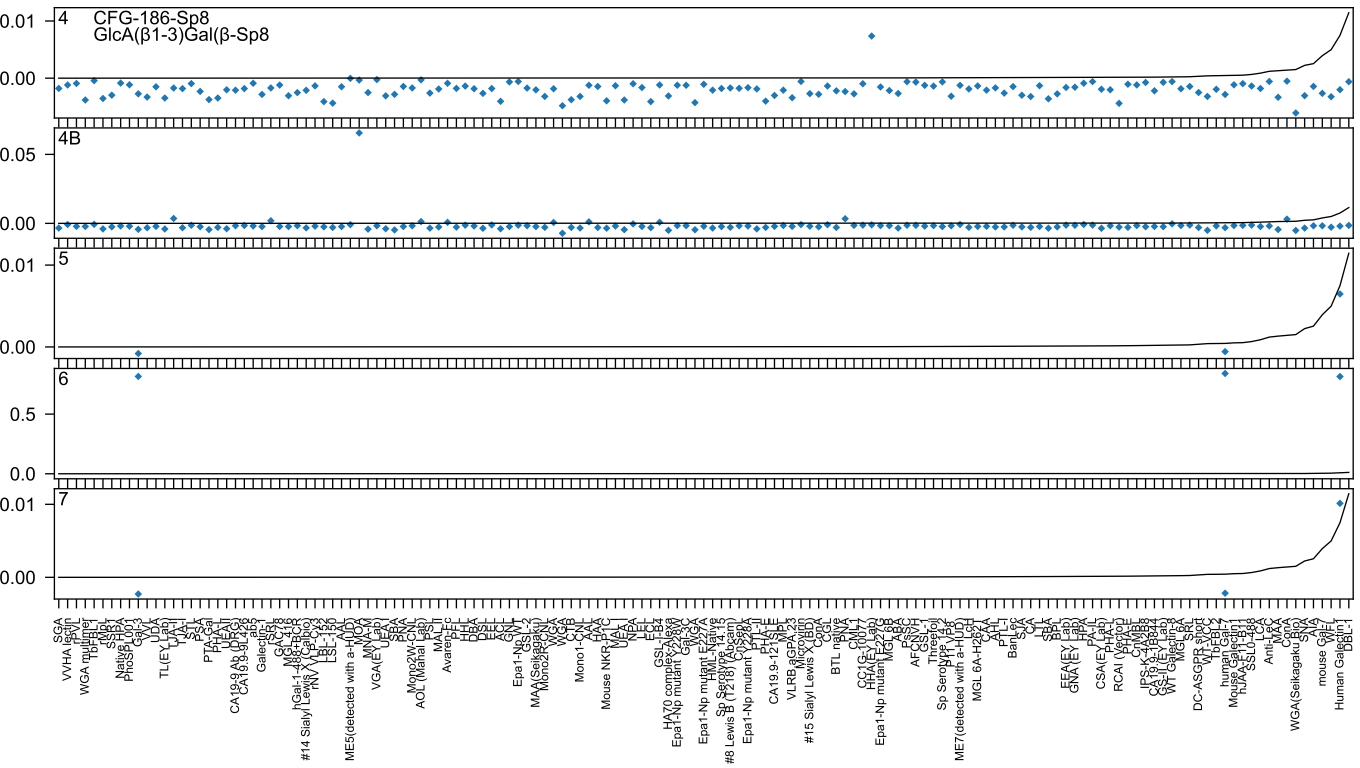

4
CFG-180-Sp8
Glc(α1-6)Glc(α1-6)Glc(β-Sp8
0.05
0.00
4B
.025
.000
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
hJAA-F11-B11
CA19.9-1B844
PTA-1
PTL-1
CA19.9-12
PTL-I
STL
SNA
MAL-I
MAA(Seikagaku)
PWA
WFA
MAL-II
GAC78
Epa-1
CGL
LBL-I
Mo-1-86
CC1G-10077
LTL-1
WGA multimer
SSLD2488
ABA
SSA
Native BCA
WGA(Seikagaku)
#8 Lewis B (T2189/Abcam)
VVL
#15 Sialyl Lewis X (BD)
MES(detected with a-HUD)
PAS-K-4288
LSL-1B
DC-ASGPR short
AOA
Mouse NKR-P1C
Threonine
BVA
CTB
WGA
MPA
SBA
SGA
PhoSPLD1
EVA
UEA
Epa1-Np mutant E2
PHA(EY Lab)
Monoclonal
Mouse complex-Alexa
HA70
AOL (Mahal Lab)
MOA
HPA
DSL
P11
VFB
GS-II (EY Lab)
Galectin-1
EEA(EY Lab)
GNA (EY Lab)
PFL
GSL-IB4
PNA
human Gal-1
WGA
RCA
BTL (Vector)
UDA
Sp Serotype 14
WGA
Sp Serotype 1
Sp Serotype 5
AVR-1-FC
MHA-M
Epa1-Np mutant Y228W
HML-Nature
hGal-1-488+PCR
PVL
CA19.9-9-426
LCH
MGL-GN
HAA
#14 Sialyl Lewis X (Genway)
MonD1-PCND
OTA
CNA
PHAL
MGL 6A-H
AF-CNVH
CA19-9 Ab (ORGG)
WT Galectin-8
PRA
BanLec
TL(EY Lab)
MGL-8A
SEA
CrmB
VLRB aGP-123
CSA(EY Lab)
Epa1-Np mutant
VVA
PSA
ConA
Epa1-Np mutant P1A
Monoclonal
rNV VLP-Cx3
VGA(EY Lab)
WT-XCL
Epa1-Np mutant E2-ABA
SSA
CGRP
Human Galectin-1
ME7(detected with a-HUD)
Mouse Galectin-1
Anti-LeC

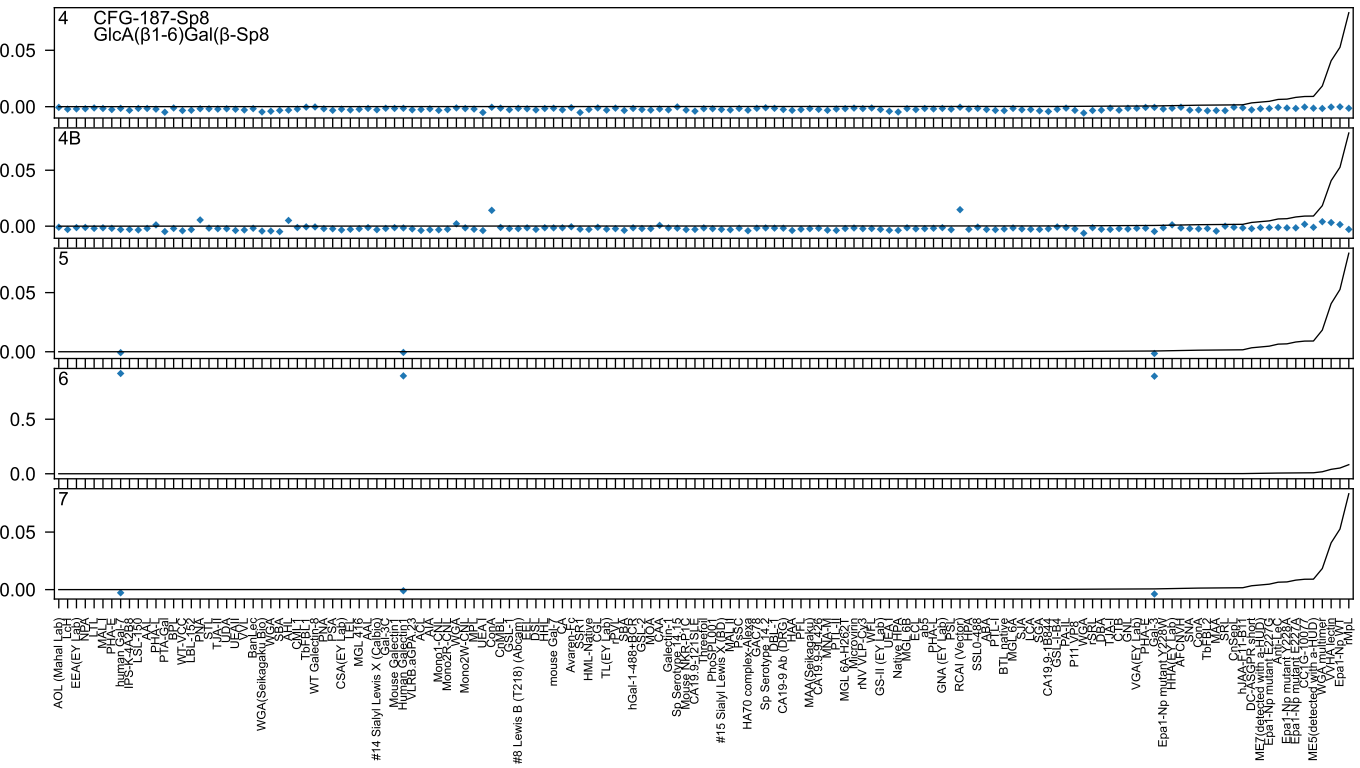

4
CFG-181-Sp8
Glc(β1-4)Glc(β-Sp8
4B
5
6
7
0.02
0.00
0.5
0.0
WGA(GlcNAc)-Alexa
MGL 6A-Alexa
Galectin-1
Galectin-3
PAA
AOL
#8 Lewis B [T218] (Acam)
#15 Sialyl Lewis X (BD)
STL
SBA
LBL
hGal-1-488-BCR
MGL-1
PHA-L
PHA-E
#14 Sialyl Lewis X (Acam)
Calc78
LSL-180
WT-ACE
ACE
GS-II (EY Lab)
GBP
MNA-M
MNA-N
abs
IPS
Microvilli
CA19.9-18844
mouse Gal-7
human Gal-7
Gal-3
Bat-Galectin
VVH
WGA multimer
MGL 6B
DC-ASGPR
MMA
PTL-I
CNTL
Mono2PONL
MOA
AIA
AOL
Thrombin
Gal-3C
PhoSPLOLT
Epa1-Np mutant E224A
Human Galectin-1
Epa1-Np mutant E224Q
UEA-I
CMB
CA19-9 Ab (DRG)
NPA
GSL-I
LCA
GNL
DSL
GNA
DBA
HPA
RTL
RTL naive
CA19.9-18426
VLRB.aGPA.23
CCA
CSA(EY Lab)
Epa1-Np mutant Y228W
Sp Serotype 14 C
Mouse IgM
PHAT
MAA(Seikagaku)
GSL-IA4
MonoTPONL
Epa1-Np mutant Y228A
CCTG-1007
SVA
UEA
TcfBLT
WT Galectin-8
CA19.9-18151-E
ELA(EY Lab)
HA70 complex-Alexa
hJAA-F11-811
SSA1
ABA
Avaregin-Alexa
Epa1-Np WT
GNA(EY Lab)
ME5(detected with a-HUD)
Sp Serotype 12 C
Sp Serotype 12 F
HHA(EY Lab)
UEA1
HAA
PTX-Gal
Mono2PONL
AOL (Mariel Lab)
rNV VLP-Neuc-1
PNA
AAL
VGA(EY Lab)
HPA
PSA
VGA
Native VGA
SCA
MUL-I
GOA
WGA
TcfBLT2
Mouse Galectin-488
SSL-2-488
TL(EY Lab)
ConA
ISRL
HM1 (Native)
RM1 (Native)
ME7(detected with a-HUD)
Anti-SAA
SAA
CTB

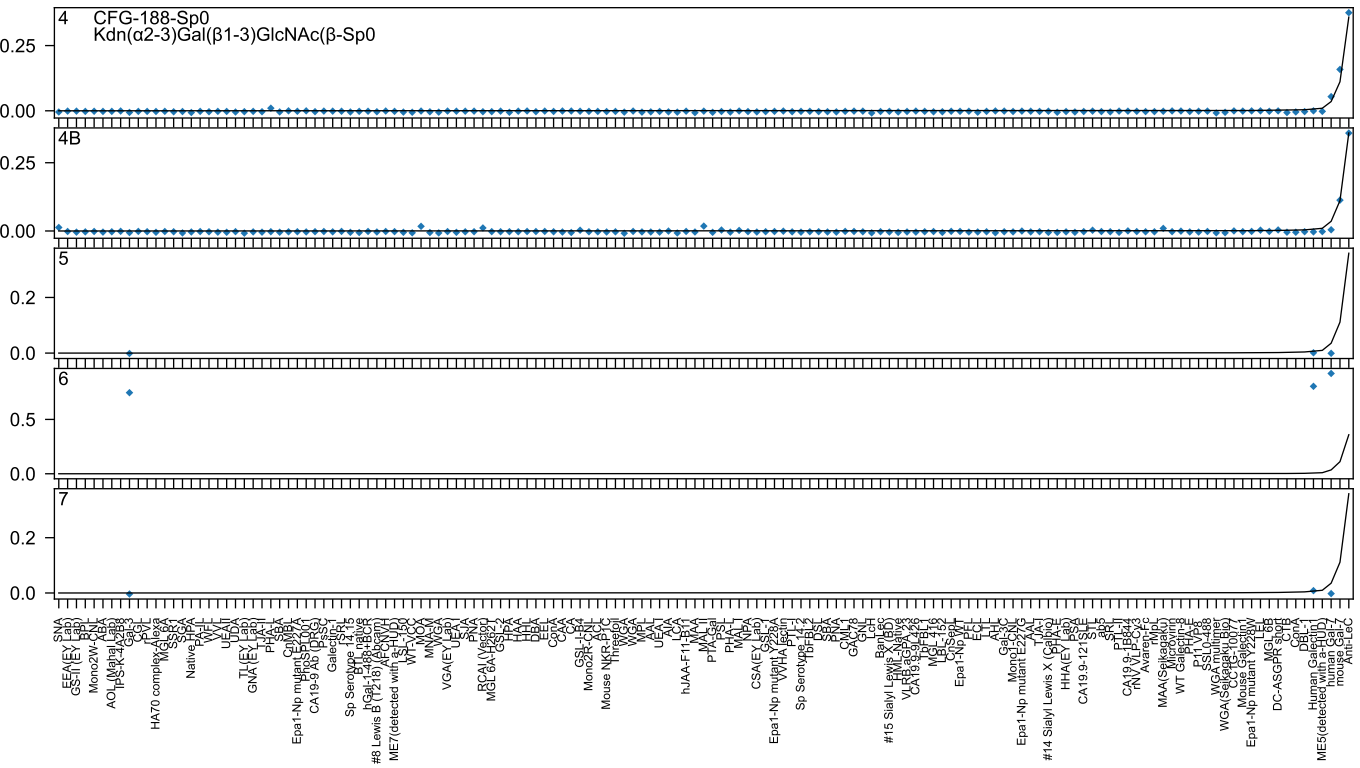

4
CFG-182-Sp8
Glc(β1-6)Glc(β-Sp8
4B
5
6
7
0.1
0.5
0.0
hJAA-F11-B1
BSA
PSA
ESA
VGA(EY Lab)
PTA-1
PTA-5B4
WGA
WT-Galectin-3
CA19.9-1B1-152
AF-CBN14
MAA
PNA
ACE
#15 Sialyl Lewis X (BD)
UDA
Galectin-3
abo
WGA multimer
HA70 complex-Flexa
XAA
ABA
EEA(EY Lab)
Native HPA
WGA(Seikagaku)
PNA
DBA
DC-LCA
CA19.9-9H-226
Gal-3C
Gal-3C
Mouse NKR-P1C
Epa1-Np mutant Y228W
#14 Sialyl Lewis X (Calbiochem)
WGA
VVA
CwML1
WT Galectin-8
PhoSPL001
CA19.9 Ab (DRG)
Epa1-Np WT
Aleuria aurantia
GSL-I
GNL
PSA
PSSC
UEA
HPA
CnBC
Sp Serotype 14-15
Sp Serotype 6A
CC1G-1007N
MNX-CC1N
MNX-CC1N
GAC-T8
TL(EY Lab)
VLRB aGPA 23
VLRB aGPA 25
Epa1-Np mutant E227G
UEA
CA19.9-121SLE
Sp Serotype 14-15
BL-7-1
LEL
VVHA(Calbiochem)
Epa1-Np mutant E227G
CnSepo
Mucorjavanicus
PSA
PSAT
MGL 6A-H2821
hGal-1-488+DOS
human IgG
IPS-K-4A2B8
STL
MGL 6A
#8 Lewis B (T218) (Abcam)
MAA (Seikagaku)
GS-I(EY Lab)
BPL naive
P11
VAA
MAA
GSL-I
GNA
GNA (EY Lab)
SNA
DC-ASGPR short
HHL
RCA I (Vector)
LSL-1B4
UEA-1
AAL
PL-A
SSL-1488
HAA
MGL-1488
Epa1-Np mutant Y228A
CSA(EY Lab)
GSL-I (EY Lab)
MAL I
mouse Galectin-3
VVA
WFL
Mono1-SNA
ConA
AOL (Marina)
MOA
Mono2W-CNL
WGA
HHA(EY Lab)
ABA
TbFBL1
TbFBL1
Mouse Galectin1
ME7(detected with VP-HOD)
HpFBL2
Human Galectin1
SGA
Ba-HUD
ME5j(detected with Ba-HUD)
Anti-LeC


4
CFG-184-Sp8
GlcA(α-Sp8
4B
5
6
7
0.02
0.00
0.5
0.0
MGL 6A-H2007
CGL
VVHA (ecdp)
Sp SialyLNnT
VVA (Wistar)
HA70 complex-Alexa
Sp SialyLNnT
CCTE-10017
CA19-9 Ab (DRG)
WGA(Seikagaku, Bio)
VVL
UEA I
UDA
LCA
LAA-I
STL
RCAI (Vector)
nV VLP-CY3
LAA-II
VLP-B23
#15 Sialyl Lewis x
LSL-1B2
LSL-1B2
#14 Sialyl Lewis X (Calbio)
WFA
NOX
MNA-M
MNA-M
WGA
UEA
PNA
PTA
HHA(EY Lab)
GNA (EY Lab)
GS-II (EY Lab)
BPL
NGL 416
VGA(EY Lab)
PSL
TL(EY Lab)
MAL
EEL
GSL-I
PHA-E
PHA-L
CA
CPA
Epa1-Np mutant E224G
Mouse Galectin-1
Mono1-CNL
AOL
AOA
Threo
VGA
VGA
MPL
ANL
Mouse Galectin1
Human Galectin1
UEA I
Epa1-Np
DSL
AFCH
NGH
Epa1-Np mutant Y228V
MAA
MAA
PhoSPD
MAA(Seikagaku)
CSA(EY Lab)
Epa1-Np mutant E224A
MATA
Bam Lec
PsSC
Mic Protein
CA19.9-1(TSLE
HML-Native
Mouse NKR-P1C
HPA
PTA(Ala)
hGal-1-488+BSC
GAC-7
GAC-7
CPA
CPA
MPL
AHL
Galectin-8
IPS-K-4A268
Epa1-Np mutant Y228A
CA19.9-9L426
WT Galectin-3
UEA
CnSerp
EEA(EY Lab)
GSL-2
BTL naVA
LCA
hJAA-F11
LTL
AOL (Matrix Lab)
Monoclonal
mouse Gal7
MGL-05
CoMBP
AvaGSL
PHA-E
PHA-L
SSL-CBB
DC-ASGPR
PHT
MGL-6A
MGL-6A
VEA
SNA
Anti-Lec
TbEBL2
TbEBL2
TbPBP1
MER(detected with a-HUD)
MER(detected with a-HUD)
#8 Lewis B (1-4,1-3) (Acadia)
Native HPA

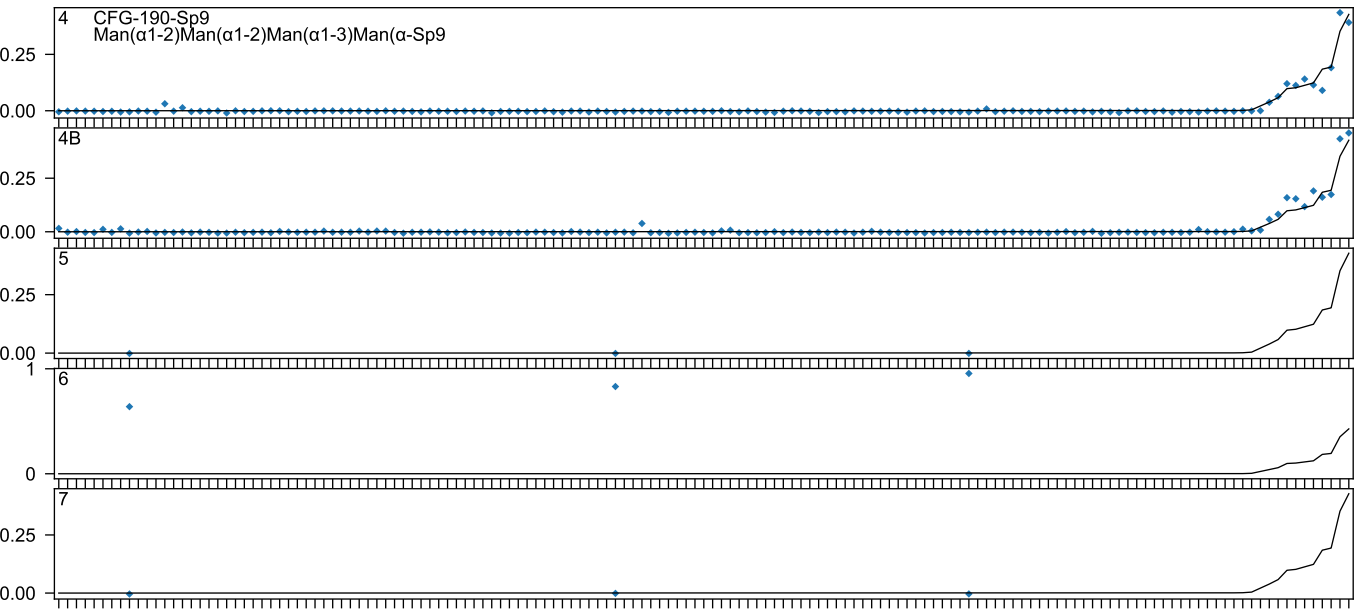

4
CFG-185-Sp8
GlcA(β-Sp8
4B
5
6
7
0.02
0.00
0.5
0.0
MGL 6A-H2627
2G2
VVHA (gull)
CC1G-10077
#8 Lewis B (T218)
hGal-1-488-PCR
Sp Serotype 14-35
Sp Serotype 14-2
CA19-9 (OTRG)
Mouse-Lung-Epi
PhoSL001
Epa1-Np WT
Epa1-Np mutant
CA19-9 (Vector)
Bacillus
WT Galectin-1
CA19-9 (OTRG)
Epa1-Np mutant
Epa1-Np mutant
#14 Sialyl Lewis X (Vector)
#15 Sialyl Lewis X (TBD)
Epa1-Np mutant
HA70 complex
BTL nativa
human Gal-7
hJAA-F11
Microvilin
VLRB aGPC-3
AOL (Mahal Lab)
WGA(Seikagaku)
mouse Gal-1
DC-ASGPR
ME7(detected with a-RUDT)
WGA mutant
Native Galectin-1
Human Galectin-1
Mouse-CNL
Galectin-3
ME5(detected with a-Gal)

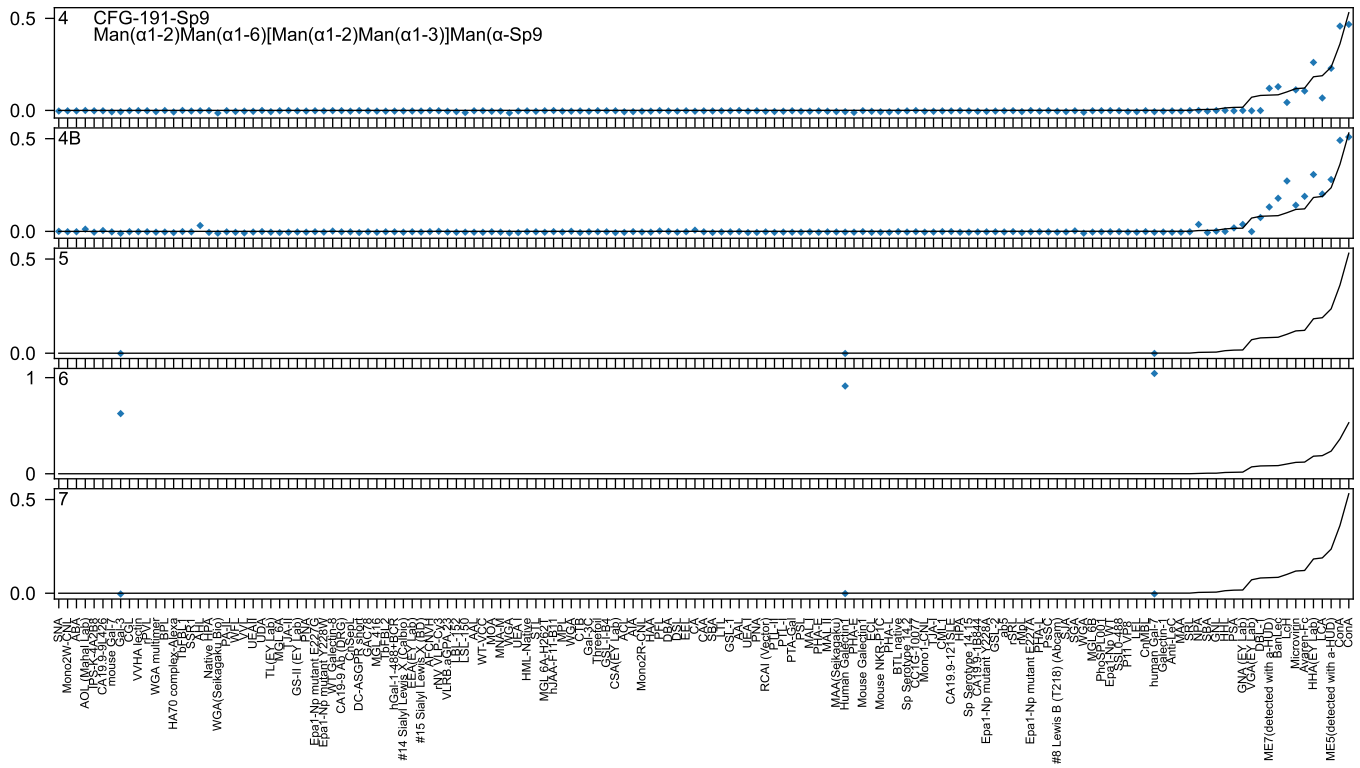

4
CFG-186-Sp8
GlcA(β1-3)Gal(β-Sp8
4B
5
6
7
0.01
0.00
0.05
0.5
0.0
SGA
VVHA lectin
PVL
WGA rubellin
Native HPA
PhoSpLip
Galectin-3
VVL
TL(EY Lab)
LA-I
SJL
PSA
PTA
PHA-L
CA19.9-9L428
CA19.9-1116
Galectin-1
SSA
MGL-418
#14 Sialyl Galactosides
NNV
LBP-O23
LBL-150
ME5(detected with a-HUD)
AOL
MOA
VGA(EY Lab)
UEA
PRA
PNA
Mono2W-CNL
AOL (Mahal Lab)
MAL
Avarelin
PE
DBA
DSL
ACL
GNL
Epa1-Np mutant Y228A
GSL-I-2
MAA(Seikagaku)
Mono2-CNL
VGA
VCA
Mono1-CNL
AAA
Mouse NKR-P1C
UEA
NEA
ECL
GSL-I-B4
HA70 complex
Epa1-Np mutant Y228W
Epa1-Np mutant E227A
Sp Serotype 14 15
#8 Lewis B (12/18) (Ascen)
Epa1-Np mutant Y228H
PTA-E
CA19.9-12
VSL
VLRB.aGPA.23
#15 Sialyl Lewis X
MGL (MD)
CorA
BTL native
PNA
CC1G-10017
HHA(EY Lab)
Epa1-Np mutant Y228Q
MGL-188
PSA
AFCNVH
Threelol
Sp Serotype 1
ME7(detected with a-HUD)
MGL 6A-H2B1
CAA
PAL-I
Bam-Lec
SA
SSA
BPL
EEA(EY Lab)
GNA(EY Lab)
HPA
PL-I
CSA(EY Lab)
PHA-L
RCAI (BHAE)
IPS-K-CM188
CA19.9-13844
CA19.9-1116
WT Galectin-3
MGL-8A
DC-ASGPR sugar
WT-EBL-1
human Gal-7
Mouse Galectin-11
hAA
SSLL-488
Anti-Lec
CMAA
WGA(Seikagaku, Bio)
SNA
mouse Gal-7
Human Galectin-1
DBL-1

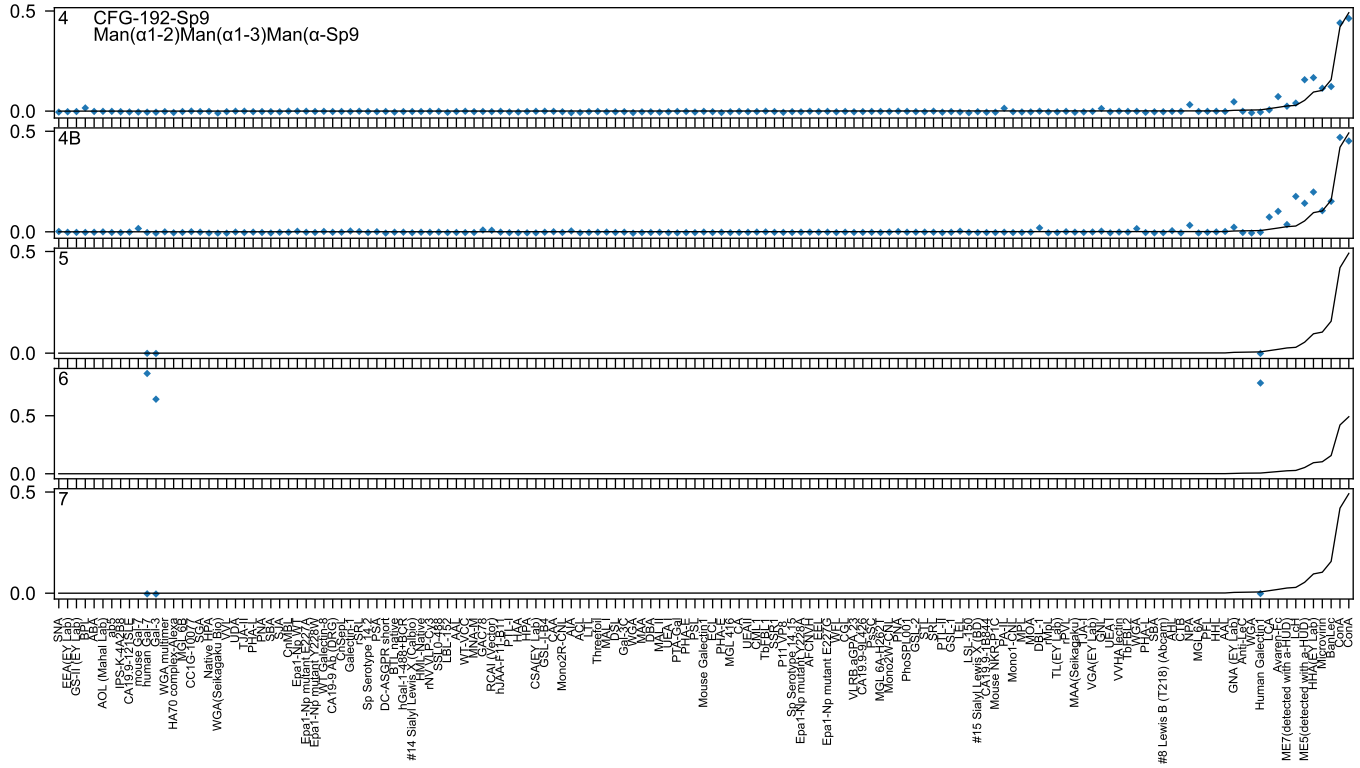

4
CFG-187-Sp8
GlcA(β1-6)Gal(β-Sp8
4B
5
6
7
0.05
0.00
0.5
0.0
AOL (Mahal Lab)
EEA(EY Lab)
NPA
PNA
MAL-I
human Gal-7
IPS-KA-288
LS-4288
AAL
P-Fuc-Gal
BPL
WT-162
LBL-162
PNA
UEA-I
TJA-II
UEA-II
PVL
WGA(Seikagaku Biol)
WGA
ACL
OPA-1
TOPBP-1
WT Galectin-8
PSA
CSA(EY Lab)
MGL 418
#14 Sialyl Lewis X (Calbiochem)
Gal-3C
Mouse Galectin-1
Human Galectin-1
VLRB.aGPA.23
AVA
Monoz1-CNL
Monoz2W-WGA
Monoz2W-PNA
UEA-I
CoBA
GSL-1
#8 Lewis B (T218) (Abcam)
PHA-E
DSL
mouse Gal-7
Galectin-4
Avarge-Fc
SSR1
HML-Neuc2
TL(EY Lab)
SBA
hGal-1-488-BC-3
GNA
NOA
Galectin-1
Sp Serotype 14-12
Monoz1-PLA
CA19.9-121SLE
Phosphatidyl
#15 Sialyl Lewis X (BD)
MASL
HA70 complex-A488
CA19.9
Sp Serotype 14-2
CA19-9 Ab (BD)
HPA
MAA(Seikagaku)
CA19.9-SE426
MOR
MGL 6A-H2621
rNV VLP-Cy3
GS-II (EY Lab)
VIP
UEA-I
Nature Tech
MGL
ECL
PI-PLC
GNA (EY Lab)
RCAI (Vector)
SSL0-488
PAA
BTL native
MGL-6A
LCA
CA19.9-1B234
GSL-I-B4
P11-Vpb8
WGA
DBA
PNA
TJA-II
GNL
VGA(EY Lab)
Epa1-Np mutant (Y Gal-3
HHA(EY Lab)
AFCSNA
CoBA
Tbx-PLA
SRL
CI-PBP
hAA-FITC
DC-ASGPR s100
MEZ(detected with G-100D)
Epa1-Np mutant E222G
Epa1-Np mutant E222A
Epa1-Np mutant E222K
ME5(detected with G-100D)
WGA multimer
Epa1-Np wild
Epa1-Np
fMLP

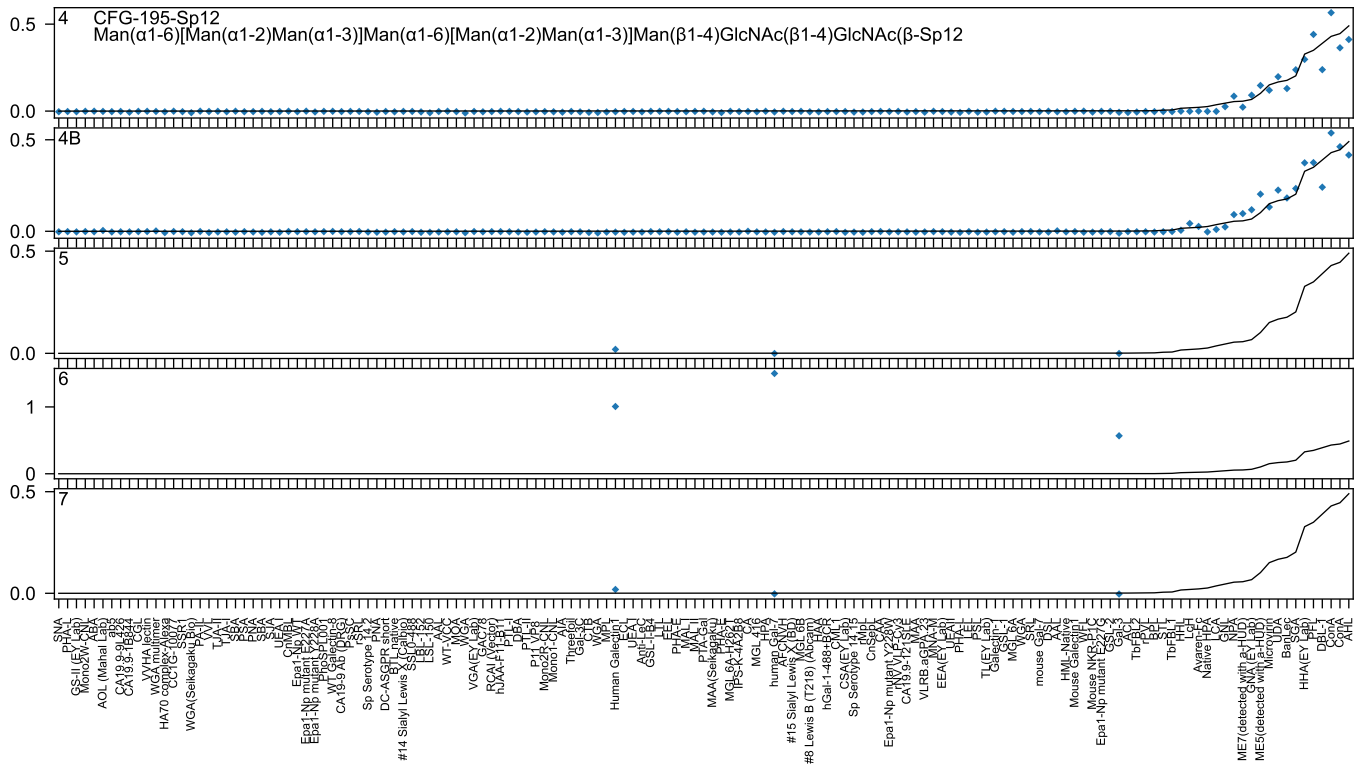

4
CFG-188-Sp0
Kdn(α2-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.2
0.0
0.5
SNA
EEA(EY Lab)
GS-II(EY Lab)
ABA
Mono2W-PNL
AOL(Matral A)
hPS-K-4A288
Galectin-3
PVL
HA70 complex
Lectin-A
SSA
Native-HPA
PAA
PAL
VVL
UEA
TJ-II(EY Lab)
GNA(EY Lab)
LCA
PHA-L
PHA-E
CSA
Epa1-Np mutant
CA19-9 Ab (PRG)
Galectin-1
Sp Serotype 14
BTA
#8 Lewis B (72-18)
ME7(detected with a-RUD)
WFA
MNA
VGA(EY Lab)
UEA
PNA
RCA(Vector)
MGL6A
GSL-2
HPA
LTA
DBA
CorA
CAA
GSL-I-B4
Mono2K-ABL
Mouse NKR-P1C
Thy1.2
WGA
WFA
ECA
UEA
ZAA
hJAA-F11
LCA
MAA
PNA
PSL
MAL
NPA
CSA(EY Lab)
Epa1-Np mutant
VVHA
Sp Serotype 19F
TBT-I
Sp Serotype 6B
TBT-II
DSL
PNA
CAA
CML
GNL
LCH
Bandeiraea
#15 Sialyl Lewis X (6D)
VLRB
CA19-9-1426
MGL 416
LBS-152
Epa1-Np 901
ECL
ECA
ALL
Gal-3C
Mono1-PNL
Epa1-Np mutant E2-2
AAL
#14 Sialyl Lewis X (CH)
HHA(EY Lab)
CA19.9-121
SLE
ABA
SPL
CA19.9-1844
RNA
Vicia-C3
MAA(Sakaguchi)
Mpl
WT Galectin-8
P-11-Vpf
SSuD-488
WGA(Sakaguchi, Big)
Epa1-Np mutant Y228W
Mouse Galectin-7
DC-ASGPR
MGL-1B
Human Galectin-1
ME5(detected with a-RUD)
mouse Gal-7
Anti-LeC

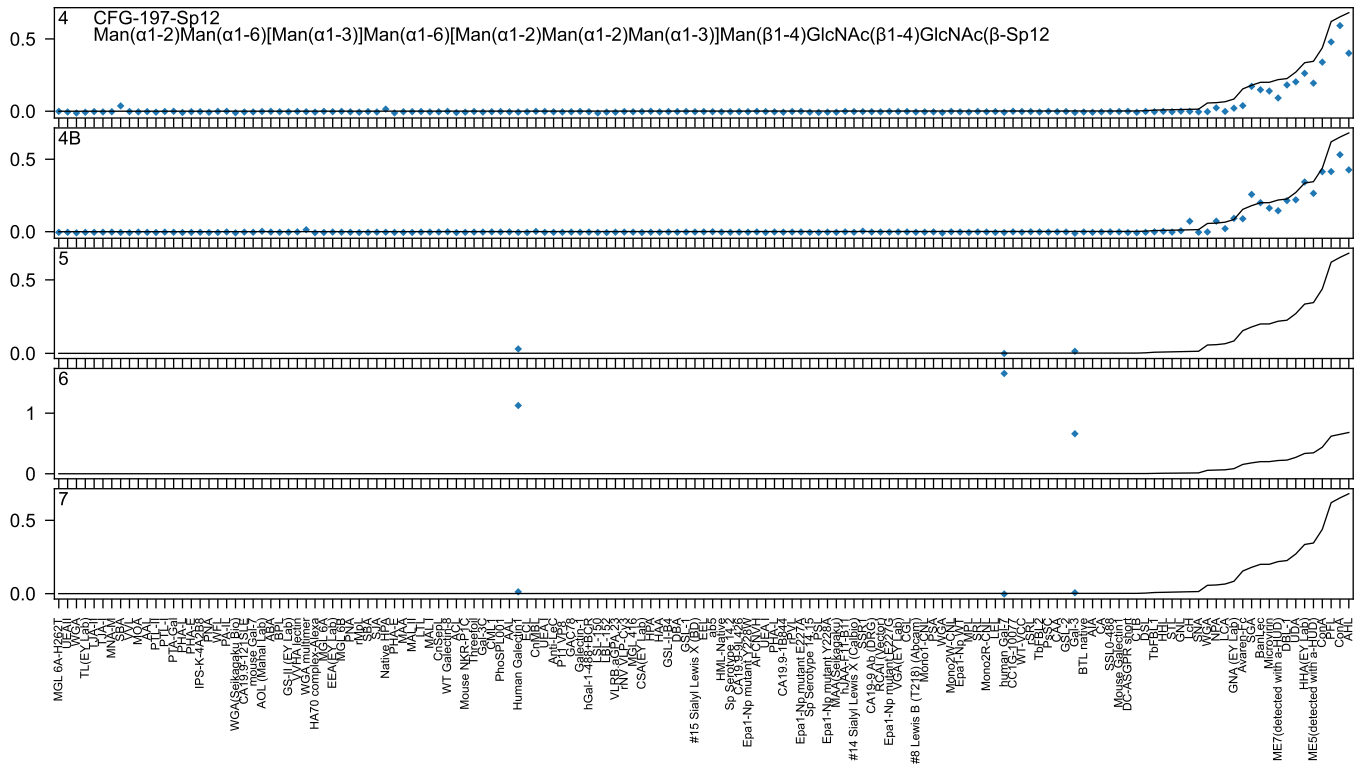
4
CFG-189-Sp0
Kdn(α2-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
nSA
LSL-180
PNA
VLRB.aGP-23
Native HPA
WGA(Seikagaku)
UEAI
TL(EY Lab)
SBA
PTL-I
PTL-II
MAA
AAL
WT-VCC
VGA(EY Lab)
HGA(EY Lab)
Mono2W-CNL
ABL
AOL (Marina Lab)
PHA-L
Mono1-CNL
CA19.9-498
CA19.9-1116
CA72
SBA
VVH
Banlec
UEA-I
UEA-II
HA70 complex-Alexa
MNA
NPA
GNA (EY Lab)
LCA
PSA
PSL
P11 lectin
WT Galectin-8
AIA
PhoSP-001
Epa1-Nb mutant Y228W
Epa1-Nb mutant Y228V
Epa1-Nb mutant E227G
WAL
CnOBI
CnA
CGL2
LEA
CGL3
CA19-9 Ab (DSTA)
CGL1
CSA(EY Lab)
ABA
DBA
CA19.9-12
SSA
#8 Lewis B (T218) (Abcam)
ACG
AFCNYH
Thrombo
CKA
PHA-E
GS-I (EY Lab)
Sp Serotype 14-19
VFA
VCA
GNI
BTL native
pkA
SJA
IPS-K-4A-238
Sp SV1VPB_CX3
rNV1VPB_CX3
WGA
CnSepI
#15 Sialyl Lewis-X (BD)
EEA(EY Lab)
pTA-Gal
Epa1-Nb mutant Galα1,3
#14 Sialyl Lewis-X
hJAA-F11B11
GSL-I
SCA
HPA
PNA
Mouse NKR-P1C
TEL
SRL
LBL-182
WGA
BPL
Epa1-Nb-A1
hMGL-Galα1,3
human Galectin-9
hGal-1-488 +BC8
RCA I (Vector)
TxB
DBA
MGL 6A-H262T
Mono2-PHA-E
Mono1-CNL
Galectin-1
MGL 6B
MGL 6A
Mouse Galectin1
DC-ASGPR 8004
CCL2-488
SSL8-488
ME7(detected with a-HUD
ME5(detected with a-HUD
mouse Gal7
Human Galectin-7
DBL1
MAA(Seikagaku)
WAL
VVA
SLA
LEL

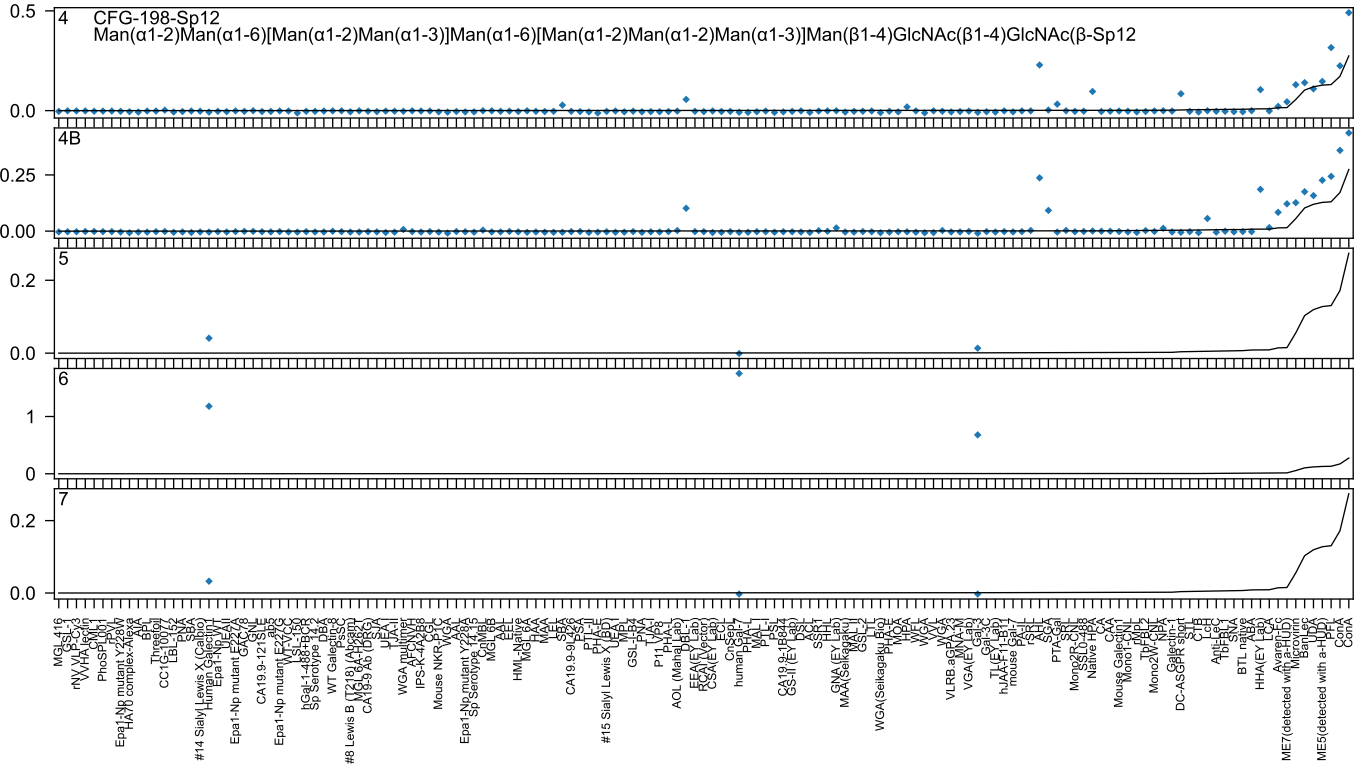

4
CFG-190-Sp9
Man(α1-2)Man(α1-2)Man(α1-3)Man(α-Sp9
4B
5
6
7
0.25
0.00
1
0

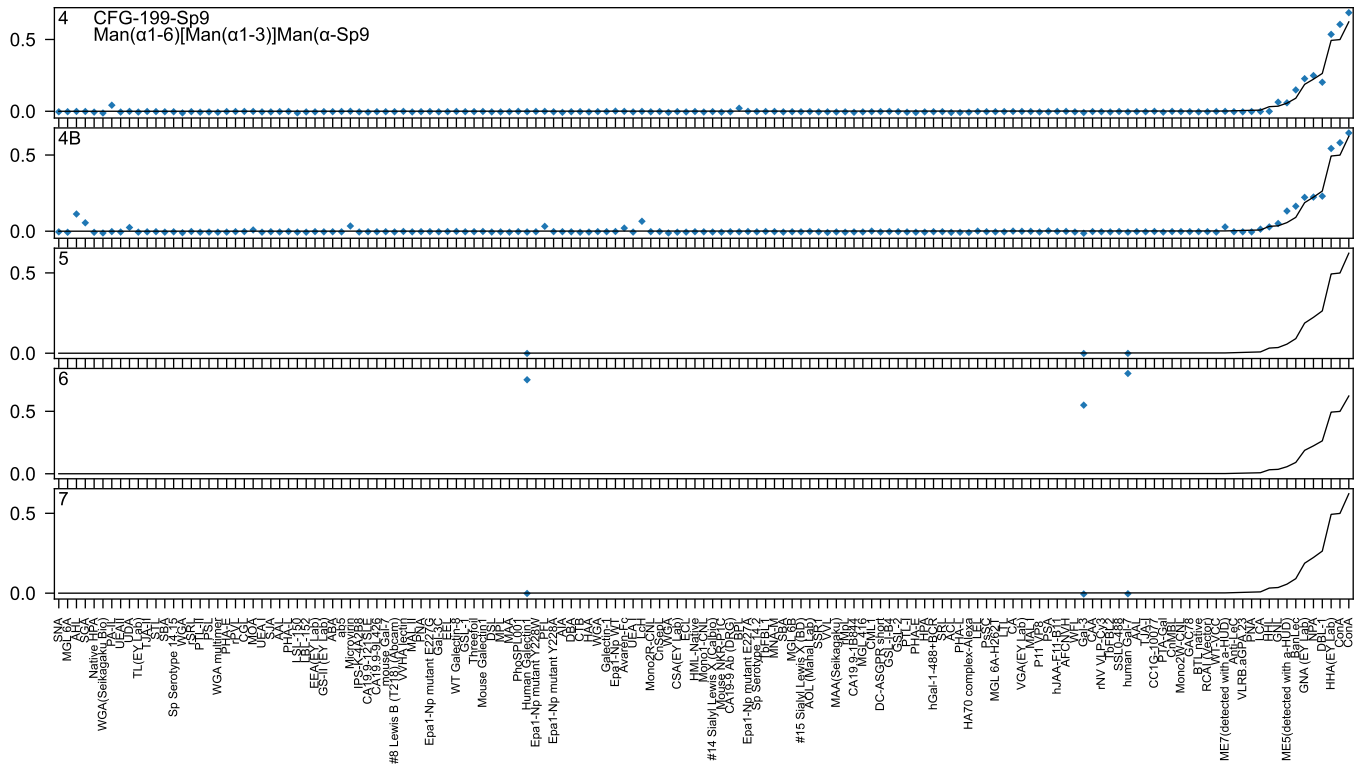

4
CFG-191-Sp9
Man(α1-2)Man(α1-6)[Man(α1-2)Man(α1-3)]Man(α-Sp9
4B
5
6
7
0.5
0.0
1
0
SNA
Mono2W-SNA
AEA
AOL (Mafa) (Abcam)
PNA
CA19.9-Sp426
mouse Gal-3
LCA
PSA
VVHA (EY Lab)
WGA multimer
HA70 complex-Alexa
TKA
SSA-1
Native ABH
WGA(Seikagaku, Biq)
PWM
VVL
UEA
UDA
TL-I (EY Lab)
MAL
MAH
GS-II (EY Lab)
Epa1-Np mutant E227G
Epa1-Np mutant Y226A
mouse Galectin-9
CA19-9 Ab (BRG)
DC-ASGPR (Sino)
MGL-CT18
DEC-205
#14 Sialyl Lewis x-BSA (Biotech)
#15 Sialyl Lewis x (NH)
EEA (EY Lab)
VVA
VLB-Cy3
VLRB-FITC
LBL-1 (EY Lab)
LSL-1 (EY Lab)
WT-XCL
XCL
MVN
MNA
VGA
HML-Native
MGL 6A-Hoe-1
hJAA-F11-B1
WGA
CTB
Galectin-1
Thrombin
GSL-I B4
CSA(EY Lab)
ACL
Mono2R-CVN
HAA
HPA
DBA
DSL
ECA
SBA
STL
GSL-I
UEA-I
RCA I (Vector)
PTL-I
PTA-Gal
MAL
PHA-E
MAL-I
MAAI(Seikagaku)
Human Galectin-1
Mouse Galectin-1
Mouse NKR-P1C
PHA-L
BTL-naive
Sp Secretin-Alexa
CCTG-10077
Mono1-CVN
CA19.9-12-CMLL
SPA
Sp Secretin-Biotin
Epa1-Np mutant Y226A
GSL-I
SAL
rSRL
Epa1-Np mutant E227A
PHA-L
#8 Lewis B (T218) (Abcam)
SGA
WGA
MGL-CT10
PhoSL-001
Epa1-Np (Alpha)
P11-Y28
CnMEL
human Gal-7
Anti-IgC
ANA
NBA
SBA
SRA
EUL
HHL
GNA (EY Lab)
VGA(EY Lab)
ME7(detected with a-HUD)
Ban Lec
Microvirin
A(EY Lab)
HHA
ME5(detected with a-HUD)
ConA
ConA

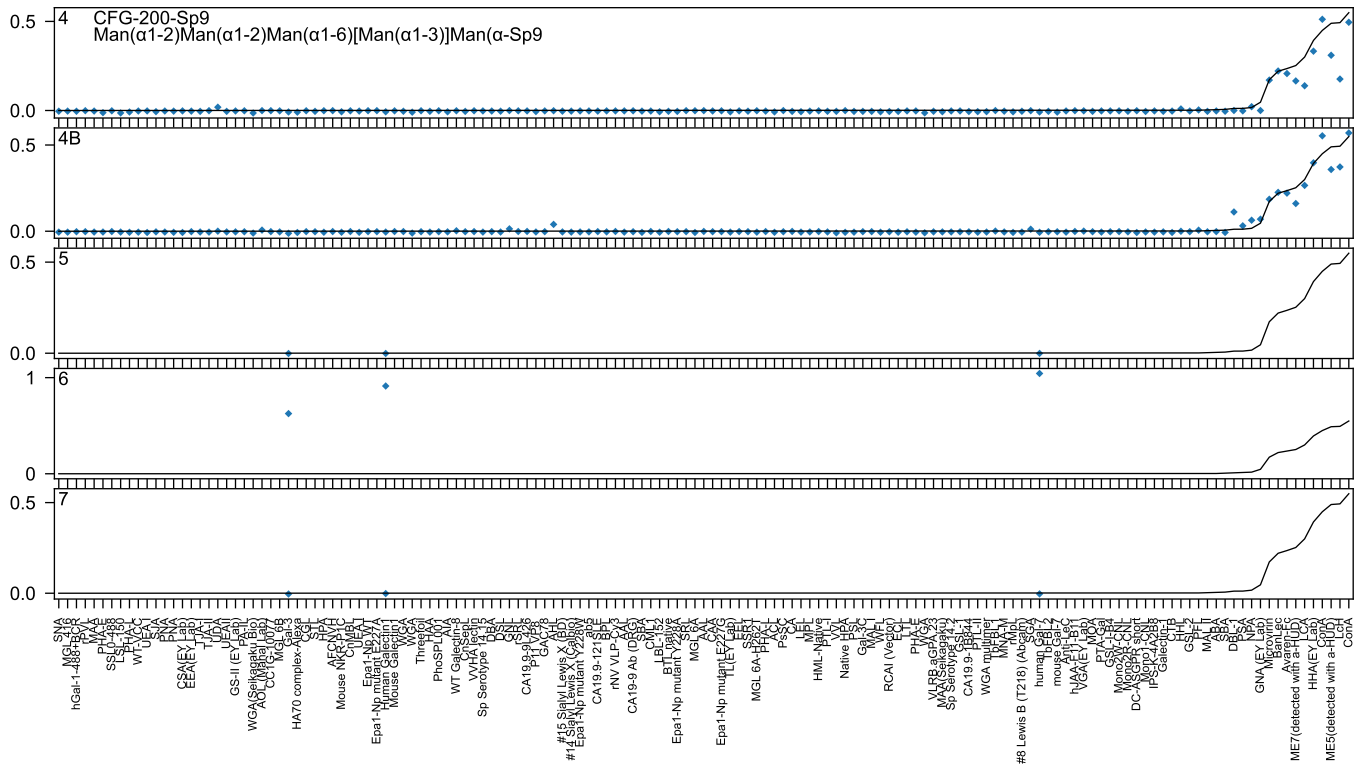

4
CFG-192-Sp9
Man(α1-2)Man(α1-3)Man(α-Sp9
4B
5
6
7
0.5
0.0
SNA
EEA(EY Lab)
GSII(EY Lab)
ABA
AOL (Mahal Lab)
IPS-K-4-A288
CA19.9-12-SL-T
human Gal-7
WGA multimer
HA70 complex-Alexa
CC1G-10-D7
Native SBA
WGA(Seikagaku Biol)
UEA
UEA-I
PHA-L
PNA
SBA
ConA
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
CA19.9 Sialo(BRG)
ChSep1
Galectin-1
Sp Serotype 14
DC-ASGPR short
hGal-1-149-HBV8
#14 Sialy(Lewis X) (Calbio)
nNVV_B-Sp9
SSL-488
LEL
AAL
WFA-Cy5
RCA(EY Lab)
hXAP-FITB31
PHA-E
HPA
CSA(EY Lab)
GSL I-A4
CAA
Mono2R-CN
ACL
AOL
Threefoil
MAL
Gal-3C
WGA
OBA
MPA
WEA
PAA-Gal
PSL
Mouse Galectin1
PHA-E
MGL 4-28
UEA(EY Lab)
TdGBL-1
P11-SP8
So Serotype 14-15
Epa1-Np mutant AF-CKKVA
EEL
Epa1-Np mutant E228G
CGA
VLRB.aGP.228
CA19.9-9-L-228
MGL 6A-H-228
Mono2W-CN
PhoSPLDA
GSL I-B4
SRL
PSL-I
GS-I
LEL
#15 Sialy(Lewis X) (Calbio)
CA19.9-1-B244
Mouse NKR-P1C
PAC-1
Mono1-CN
MOA
DBA
TL(EY Lab)
MAA(Seikagaku)
VGA(EY Lab)
UJA-I
UEA-I
VVHA
TdGBL-2
PHA-L
SBA
#8 Lewis B (T218) (Abcam)
GTB
MGL 6A
PHE
AAL
GNA (EY Lab)
Anti-Lewis B
WGA
Human Galectin1
ACA
Avarol(EY Lab)
ME7(detected with anti-LGI)
ME5(detected with EY Lab)
LGI
Microvirin
Banana
ConA

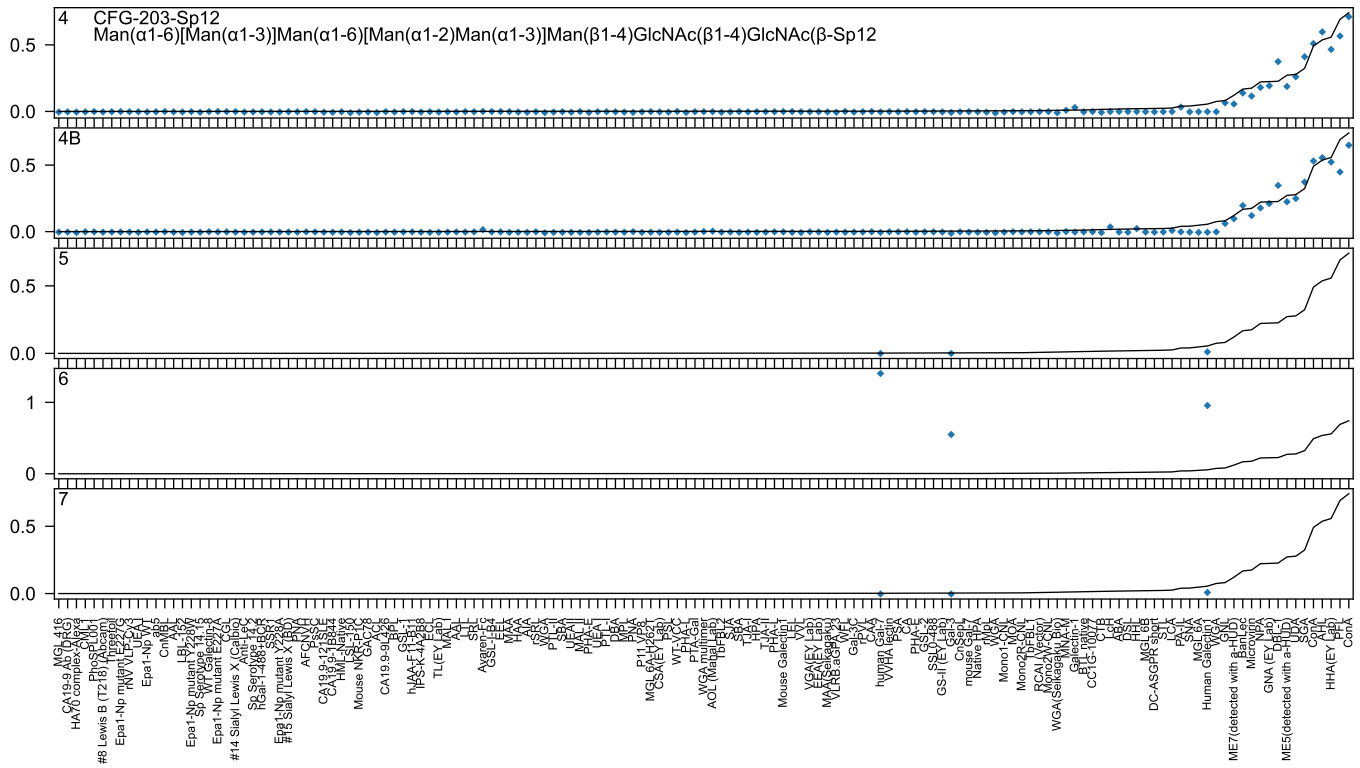

4
CFG-195-Sp12
Man(α1-6)[Man(α1-2)Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
GS-II (EY Lab)
Mono2W-Lec
ABA
AOL (Mahal Lab)
CA19-9-Lec
CA19-9-Ab
VVHA lectin
WGA(mutimer)
HA70 capsid protein
CCTG-16077
WGA(Seikagaku Bio)
PAL
TJA-I
VSA
SSA
PSA
SBA
LEA
UEA
CnnB
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Epa1-Np mutant Y228G
WT Galectin-3
CA19-9 Ab (PRG)
FSRS
Sp Serotype PAX
DC-ASGPR short
Native
#14 Sialyl Lewis X (Lab)
SSL-488
LSL-150
WT-CAL
MOA
VGA(EY Lab)
GAC78
RCA(EY Lab)
hXAA-1(1-197)
PDL-1
PDL-2
Mono2R-CNL
Mono1-CNL
Threo-Lin
Galectin
VGA
MPT
Human Galectin-1
EPL
AGU-LEA
GSL-I-B4
EEL
PHA-E
PHA-L
MAL-I
PNA-AGal
MAA(Sel)-TAGal
PNA-GalNAc
MGL-488
TPS-1-488
CA
MGL-HPA
human Gal-7
AIA(EY Lab)
#15 Sialyl Lewis X (BD)
#8 Lewis B (T218) (AGC Bio)
FAA
hGal-1-488-Cnn(1)
CSA(EY Lab)
Sp Serotype TM
rMgl
CnsBT
Epa1-Np mutant Y228W
CA19.9-21-SYE
VLRB.aGNA-1
MAA
EEA(EY Lab)
PHA-L
PHA-E
PSL
TL(EY Lab)
Galectin-1
MGL-6A
SRL
mouse Gal-7
AAL
HML-Nectin
Mouse Galectin-9
Mouse NKR-P1F
Epa1-Np mutant E227G
GSL-2
ACL
Tor-BUV
BPL
TorFBL1
HHL
UEA
Avarem-LEC
Native-LEC
GNL
ME7(detected with a-HUD)
GNA(EY Lab)
ME5(detected with a-HUD)
Microvillin
UDA
Bap-SGA
HHA(EY Lab)
DBL-1
CoNA
AHL

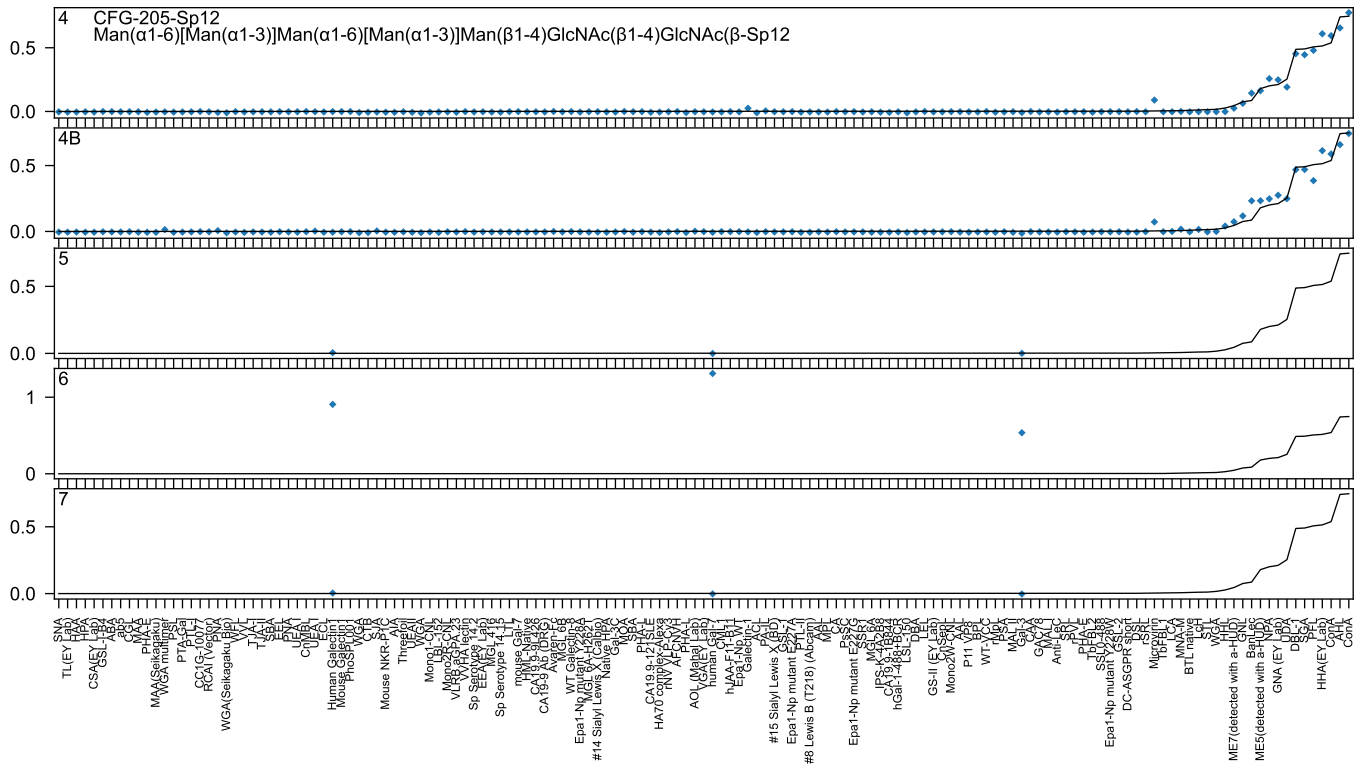

4
CFG-197-Sp12
Man(α1-2)Man(α1-6)[Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H(2G7)
LEA
VGA
TL(EY Lab)
LAL
VAA
MNA
SBA
WGA
PNA
PTL-I
PTL-II
PAL-Gal
PTA-E
PTA-F
IPS-K-4(2B3)
WFL
PHA-L
WGA(Seikagaku Brand)
CA19.9-121(SLE)
AOL (Marker Lab)
ABA
GS-I (EY Lab)
WGA HA lecture
HA70 complex-Alexa
EEA(EY Lab)
MGnB
RCA
MPA
SNA
SSA
Native HPA
PNA
MAA
MAL-I
MAL II
CnSep3
WT Galectin-3
ACL
Mouse NKR-P1C
Tn-Galectin
Gal-3C
PhoSPLA1
AAL
Human Galectin-1
LCL
CnBP
Anti-Lec
GAC78
Galectin-4
hGal-1-4(BS-50)
BS-150
LBL-152
VLRB 01CP-C33
HNT 01CP-C33
MEY 416
CSA(EY Lab)
HPA
HPA
GSL-I-B4
GNA
DBA
GNL
EEL
HML-Native
Sp 24(19)-1426
Sp 24(19)-1426
Epa1-Np mutant Y228W
AP-OEA1
OEA1
CA19.9 PEA1
PAV
Epa1-Np mutant E227S
Epa1-Np serotype 6
PSL
Epa1-Np mutant Y228W
NAA(Seikagaku)
hJAX-FLFB11
#14 Sialyl Lewis X (Calbiochem)
CA19.9 AH (DRG)
Epa1-Np mutant E227G
VGA(EY Lab)
#8 Lewis B (T218) (Abcam)
Mono1-PSA
Mono2W-VGA
Epa1-Np WT
Mono2R-CSL
human GalectinT
CC (GT-1007Z)
WT-TSRS
TbPBL2
CAA
Gal-3
BTL native
CA
SSA(0-189)
Mouse Galectin-1
DC-ASGPR sugar
CTB
TbFBL1
SJL
GNL
SNA
NPA
LCA
GNA (EY Lab)
Alexa-Lec
SGA
Bauhinia
Microvirin
ME7(detected with a-HA(1D))
UDA
HHA(EY Lab)
ME5(detected with a-HA(1D))
CGA
CGA
AHL

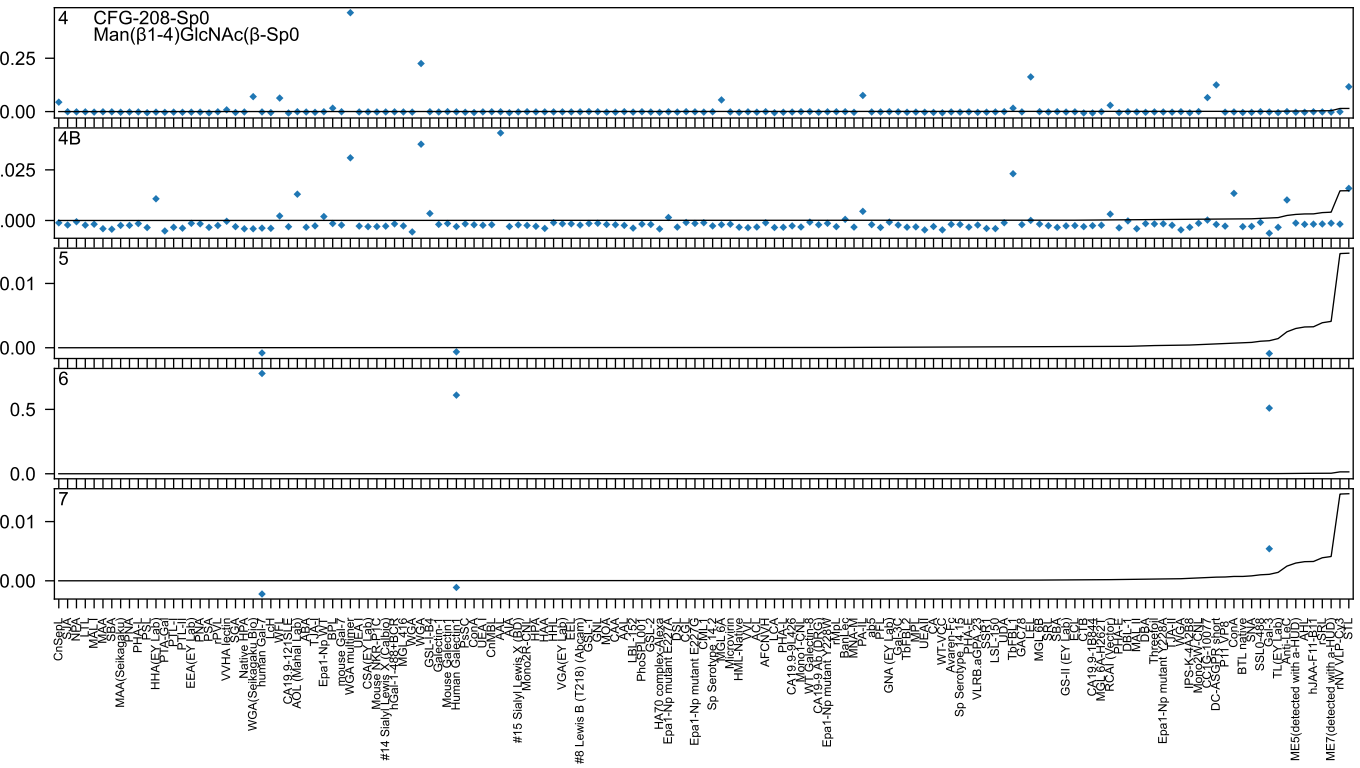

4
CFG-198-Sp12
Man(α1-2)Man(α1-6)[Man(α1-2)Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
0.5
0.0
4B
0.25
0.00
5
0.2
0.0
6
1
0
7
0.2
0.0
MGL-416
GSL-1
nNV VLP-Cy3
VVHA-Cy5
CVN
PhoSPLD1
Epa1-Np mutant Y228W
HA70 complex-Alexa
BP
Thy1(CD90)
CC1(GD3)
LBL-162
SBA
#14 Sialyl Lewis X (Calbio)
Human IgG
Epa1-Np WT
Epa1-Np mutant E257A
GAC-78
CA19.9-12/SLE
Epa1-Np mutant E257Q
WT-YCE
WT-YCE
bGal-1-488
Sp Serotype 14.2
WT Galectin-8
#8 Lewis B (T218) (CHO)
MGL-9(CHO)
CA19-9 Ab (DSG)
UEA-I
JAC
WGA multimer
IPS-K-4-488
Mouse NKR-P1C
AAL
Epa1-Np mutant Y228S
Sp Serotype 9.2
CaMBL
MGL-AB
EEL
HML-Nanobody
IgG
MAA
LEL
LEL
CA19.9-9
SSA
PSA
PTA-E
PTA-E
#15 Sialyl Lewis X (BD)
WFL
GSL-P4
TJA-I
P11
VAA
PHAE
AOL (Maha Lab)
PTA
EEA(EY Lab)
RCA(EY Lab)
CSA(EY Lab)
ECL
CrSAP
human IgG
PHAL
MAL-I
MAL
CA19.9-1882
CS-II (EY Lab)
DSL
SSL
SSA
GNA (EY Lab)
MAA(Seikagaku)
MAL
GSL-2
WGA(Seikagaku) 510
PHAE
NPA
WFL
VVA
VVA
VLRB.aGFP
WGA
MNA-N
VGA(EY Lab)
Gal-3C
TL(EY Lab)
hJAA-F11-B11
mouse Galectin-7
rSRL
SGA
PTA-Gal
Mono2R-SNL
SSLD-488
Native PCA
CAA
Mouse Galectin-1
Mono1-CNL
Mono2W-CNL
Galectin-1
DC-ASGPR short
CTB
Lec
Anti-Lec
TdFBP-1
BTL native
ABA
HHA(EY Lab)
Avarol(LE)
Avarol(LE)
ME7(detected with a-HUD)
Microvirin
Banlec
ME5(detected with a-HUD)
ConA
ConA

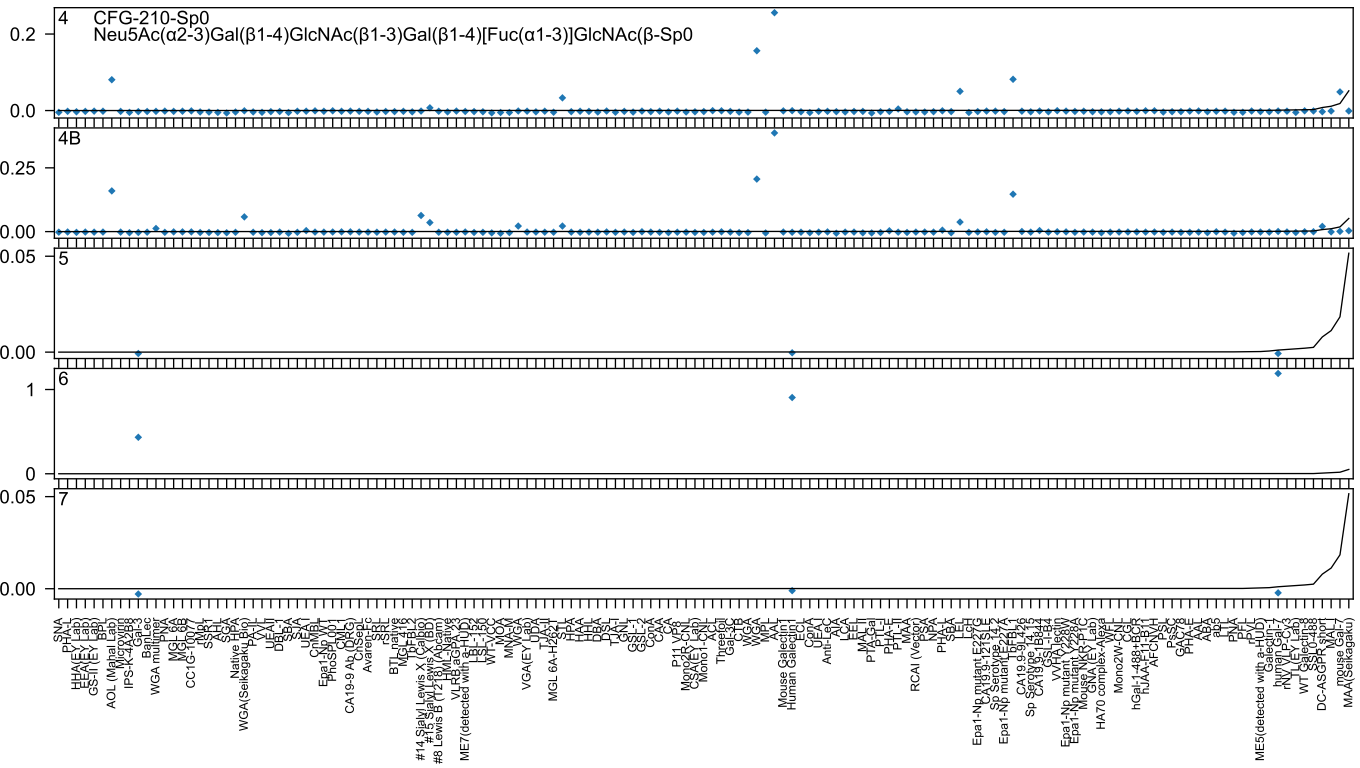

4
CFG-199-Sp9
Man(α1-6)[Man(α1-3)]Man(α-Sp9
4B
5
6
7
0.5
0.0
SNA
MGL
ACL
ABL
Native hPA
WGA(Seikagaku Bio)
UEAII
UDA
TL(EY Lab)
TJAII
SBA
Sp Serotype 14-15
JSR
PNA
PsL
WGA multimer
PHA-E
PAA
CGL
UEAI
SJA
PHA-L
LBL-1B2
LBL-1B3
EEA(EY Lab)
GS-II(EY Lab)
ABA
abo
IPS-K-42/88
CA19-9(Lewis a)Sp5
CA19-9(Lewis b)Sp6
mouse Gal-7
#8 Lewis B (T2/8)(Abcam)
WFA(Abcam)
MGL-II
Epa1-Np mutant E227G
GalEC
WT Galectin-8
Galectin-9
Thrombomodulin
Mouse Galectin1
MPL
MAA
PhoSPL
Human Galectin1
Epa1-Np mutant Y228V
Epa1-Np mutant Y228A
DSA
OAA
CTB
PCA
WGA
Galectin-1
Epa1-Np WT
Avarol-Fc
UEA-I
Mono2R-CNL
CrvGA
CSA(EY Lab)
ECA
HML-Native
Mono1-CNL
#14 Sialyl Lewis X(Tetra)
Mouse NK-DTC
CA19-9 Ab (DB9)
Epa1-Np mutant E227A
Sp Serotype 16-BL1
MNA-M
MGL-8B
#15 Sialyl Lewis X(Tri)
AOL(Milfa a) (Tri)
SSA
MAA(Seikagaku)
CA19.9-1B4
MGL-416
SNL1
DC-ASGPR-Fc
GSL3-B4
GSL-I
PHA-E
hGal-1-488+BCR
SBL
PHA-L
HA70 complex-Alega
PsaSC
MGL 6A-H2/21
LA
VGA(EY Lab)
MAL(Pierce)
P11
VGA
hJAA-F11-B1
APC-WFA
Gal-3
rNV VLP-CV3
DbcDB18
SSL7-Fc
human Gal-7
TJAI
CC1G-10077
PCA
CrvMBL
Mono2CA-CNL
BTL native
RCA(Vector)
ME7(detected with a-HUD)
VLRB.aGFP-A5
PNA
HHL
GNL
ME5(detected with a-HUD)
BanLec
GNA (EY Lab)
DSL-1
HHA(EY Lab)
ConA
ConA

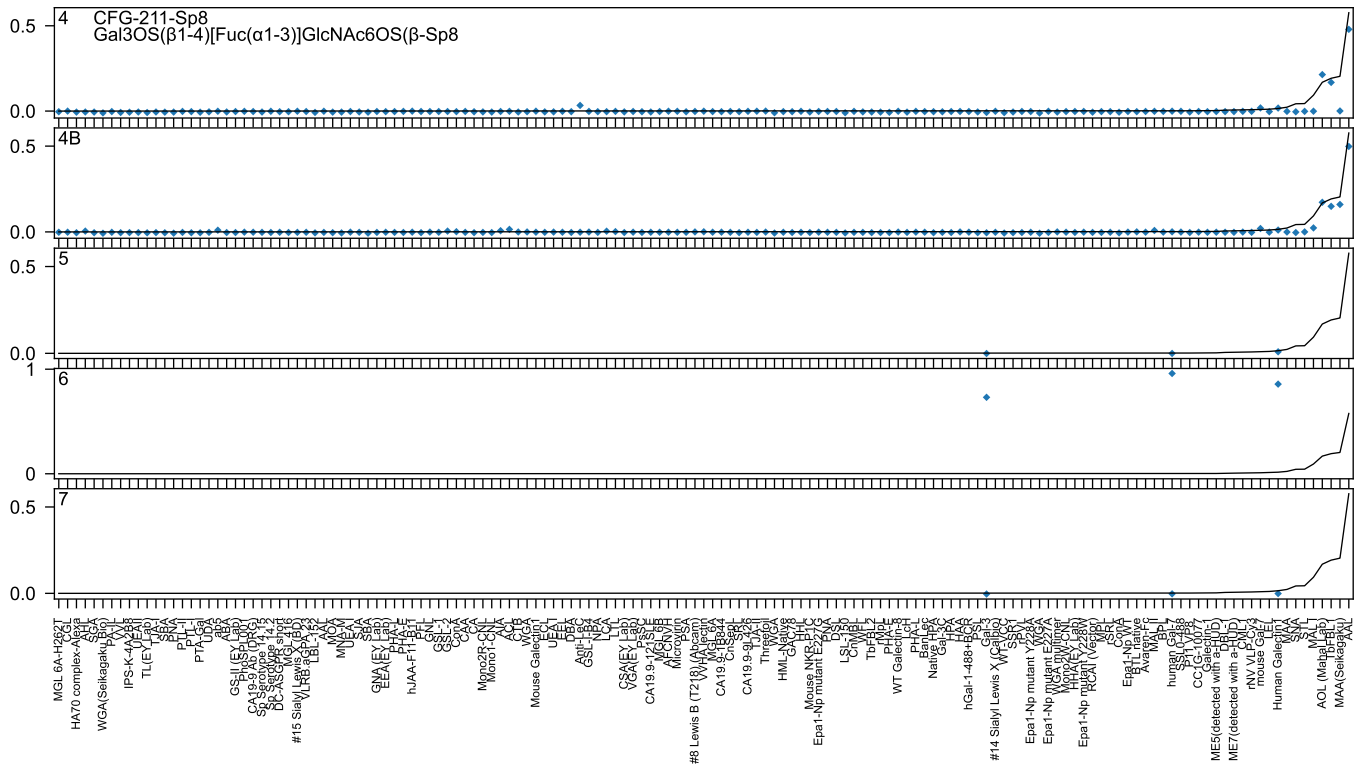

4
CFG-200-Sp9
Man(α1-2)Man(α1-2)Man(α1-6)[Man(α1-3)]Man(α-Sp9
4B
5
6
7
0.5
0.0
1
0
SNA
MGL
hGal-1-488+BCR
MAA
PHAE
SSL-150
LSL-150
WFA/ACL
UEA1
PNA
PNA
CSA(EY Lab)
EEA(EY Lab)
TJA-I
UDA
TJA-II
GS-II (EY Lab)
PA-IL
WGA(Siaglev Lab)
AOL(Kaneko Lab)
CC Galectin-7
HA70 complex-Alga
Gal-3
STL
SJA
AFCV-1
Mouse NK1-PTC
OAA
Epa1-Np 271
Epa1-Np mutant
Human Galectin1
Mouse Galectin1
WGA
Tim-1
PhoSPL-001
A-1
WT Galectin-8
VVH(Yeast)
Sp Serotype 14-15
DSA
GNL
CA19-9-1-128
PA-IVC-28
CA19-9-1-128
#15 Sialyl Lewis C (Ab)
#14 Sialyl Lewis X (Ab)
Epa1-Np mutant Y228W
CA19.9-121-SCE
CA19-9
rNV VLP
BPL
CA19-9 Ab (DSTA)
CML1
LEL
BTL
Epa1-Np mutant Y228A
MGL
SA
AAL
Epa1-Np mutant E227G
TL(EY Lab)
SSA
MGL 6A-1
PEAT
ACG
PSA
SCA
MPL
HML-Native
PWM
Native PEA
Gal-3C
MAL1
RCAI (Vector)
EOL
PHA-E
PHA-L
VLRB.aGFA.33
MAA(Seikagaku)
Sp Serotype 23-1
CA19.9-
BPL-1
WGA mutant
MAL2
MAL1
Mip
#8 Lewis B (T218) (Abcam)
human Gal-7
human Gal-2
mouse Gal-7
hJAA-F11-B11
VGA(EY Lab)
PTA
Gal
GSL-I-B4
Mono-Man
Mono-Glc
DC-Man
SGHR1 sugar
IPSCK-4A288
Galectin-8
CTB
SJL
GNA
PHF
MAB
SBA
SBA
DBA
PSA
NPA
GNA(EY Lab)
Microvirin
BanLec
Avaren
ME7(detected with a-HUD)
HHA(EY Lab)
ME5(detected with a-HUD)
ConA

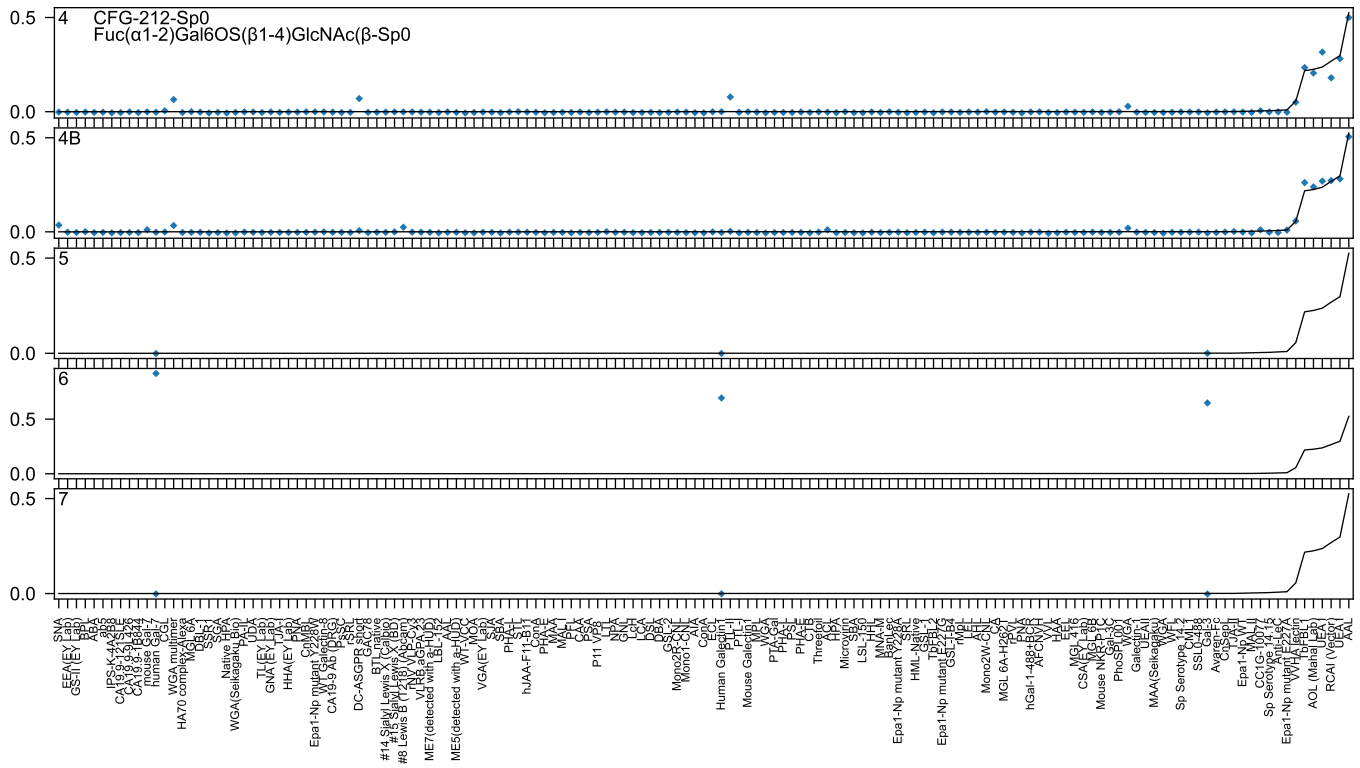

4
CFG-203-Sp12
Man(α1-6)[Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.0
0.5
1
MGL-416
CA19-9 (BAG)
HA70 complex-Alexa
#8 Lewis B (T218) (Abcam)
PhosPLD1
Epa1-Np mutant E2227G
NVV LD-EA1
Epa1-Np WT
CnA
MBL
Epa1-Np mutant E2227A
LBL
#14 Sialyl Lewis X (Calbio)
Anti-LeC
Sa Sialyl Lewis X (Calbio)
Epa1-Np mutant S556I
#18 Sialyl Lewis X (BD)
AFC
CA19-9 (Abcam)
CA19-9 (BBS)
HM-Naive
Mouse NK-PTC
GAC78
CA19-9-426
GSL-I
hAA-F11-B11
PS-K-42-E88
TL(EY Lab)
MAL
SBL
Avaren-FC
GSL-EEA
MAA
ALA
ASA
PTL-I
UEA-I
MAL II
PNA
UEA-I
DBA
MPA
P11
VVA
MGL-6A-H2621
CSA(EY Lab)
WFL
WFL-CC
PTA-Gal
WGA multimer
AOL (Marina Bio)
TcBPBL2
SBA
TJA-I
TJA-II
PHA-L
Mouse Galectin-1
LEL
VGA(EY Lab)
EEA(EY Lab)
MAL(EY Lab)
ABA(EY Lab)
WFL
GNA
PSV
human Galectin-3
VVHA
human Galectin-1
PSA
PHA-E
SSL-28
SSL-42
GS-II(EY Lab)
CnSepC
mouse LeB
Native LeA
MVL
Mono1-CCK
MOA
Mono2R-CCK
TcBPBL1
RCA-I(Vector)
Monomer
WGA(Seikagaku Bio)
Galectin-7
Galectin-4
BTL-naive
CCTG-10TB
AGA
DSL
DSL-Lab
MGL-Lab
DC-ASGPR sport
SCA
SJA
PAL
PAL-Lab
MGL-6A
Human Galectin-1
GNL
ME7(detected with a-Lab)
BanLec
Microvirin
GNA (EY Lab)
ME5(detected with a-Lab)
DBP(Lb)
UDA
SnA
CVN
AHL
HHA(EY Lab)
ConA

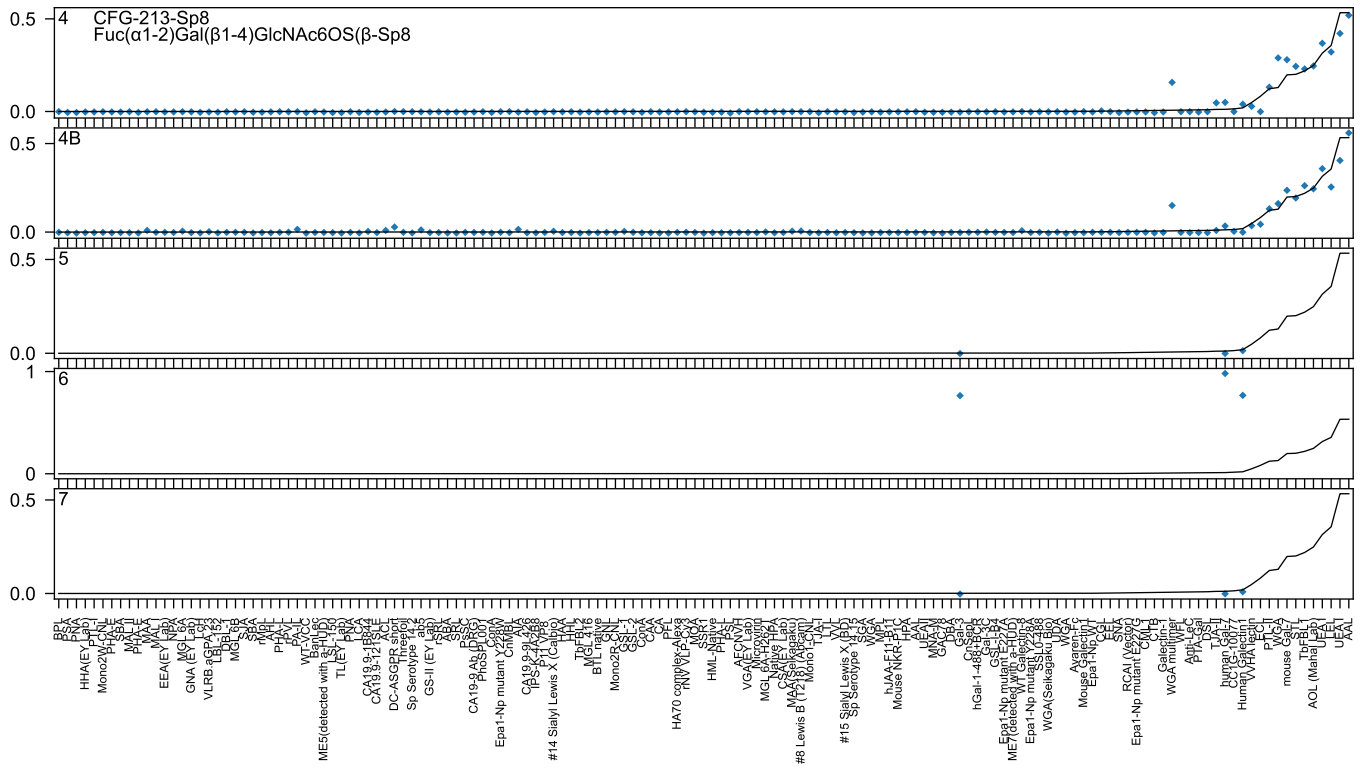

4
CFG-205-Sp12
Man(α1-6)[Man(α1-3)]Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
TL(EY Lab)
PHA
PAA
CSA(EY Lab)
GSL-I-B4
VVA
ABA
KOJ
MAA(Seikagaku)
PHA-E
WGA(Seikagaku)
PSL
PTA-I
PTA-II
CCG-10077
RCA(Vector)
PNA
WGA(Seikagaku, Bip)
VVL
TJA-I
TJA-II
SBA
PWA
UDA
CoA
UEA-I
UEA-II
Human Galectin-1
Mouse Galectin-1
PhoSL
WGA
CTB
Mouse NKR-P1C
AIA
Thr-gal
UEA-I
UEA-II
Mon1-LOM
Mon2-CVN
DBL-162
VLRB aspA 23
VLRA aspA 101
Sp Serotype 14
EEA(EY Lab)
Sp Serotype 4
Sp Serotype 18
mouse Galectin-7
HNK-Native
mouse Galectin-3
CA19.9 (B42)
CA19.9 (5A1)
Avidin-EC
Galectin-8
WT Galectin-8
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
#14 Sialyl Lewis X (Calbiochem)
Native HPA
Gal-1
MOA
SPA
PL
CA19.9-121SLE
HA/70 cell lysate
mNKR-P1C-Fc-Hx3
AFCNVH
AAL
AOL (Matsu Lab)
YGAL (EY Lab)
CML1
MAA-1
hAA-1-Nc-B1
Epa1-Np WT
Galectin-1
FAL
#15 Sialyl Lewis X (BD)
Epa1-Np mutant E227A
#8 Lewis B (T218) (Abcam)
ACA
AIA
MOA
Epa1-Np mutant E228S
ESSRI
Epa1-Np mutant E228Q
IPS-1
MAA-86
CA19.9-16B44
hGal-1-48S-B50
LSL-I
DBA
DSL
GS-II (EY Lab)
Mono2(Seikagaku)
ASA
P11
GP
WT-XCC
NGA
MAL-1
CVN
GNA78
Anti-Lec
PIC
PHA-L
TKA-1
SSA-1-188
Epa1-Np mutant Y228W
DC-ASGPR spot
LSL
Microvirin
TBR-A
MNA-M
BTL mannose
ECA
VSA
STA
HHL
ME7(detected with a-HGD)
Bau-B
ME5(detected with a-HGD)
NPA
GNA (EY Lab)
DBL-1
SNA
HHA(EY Lab)
CAA
ConA

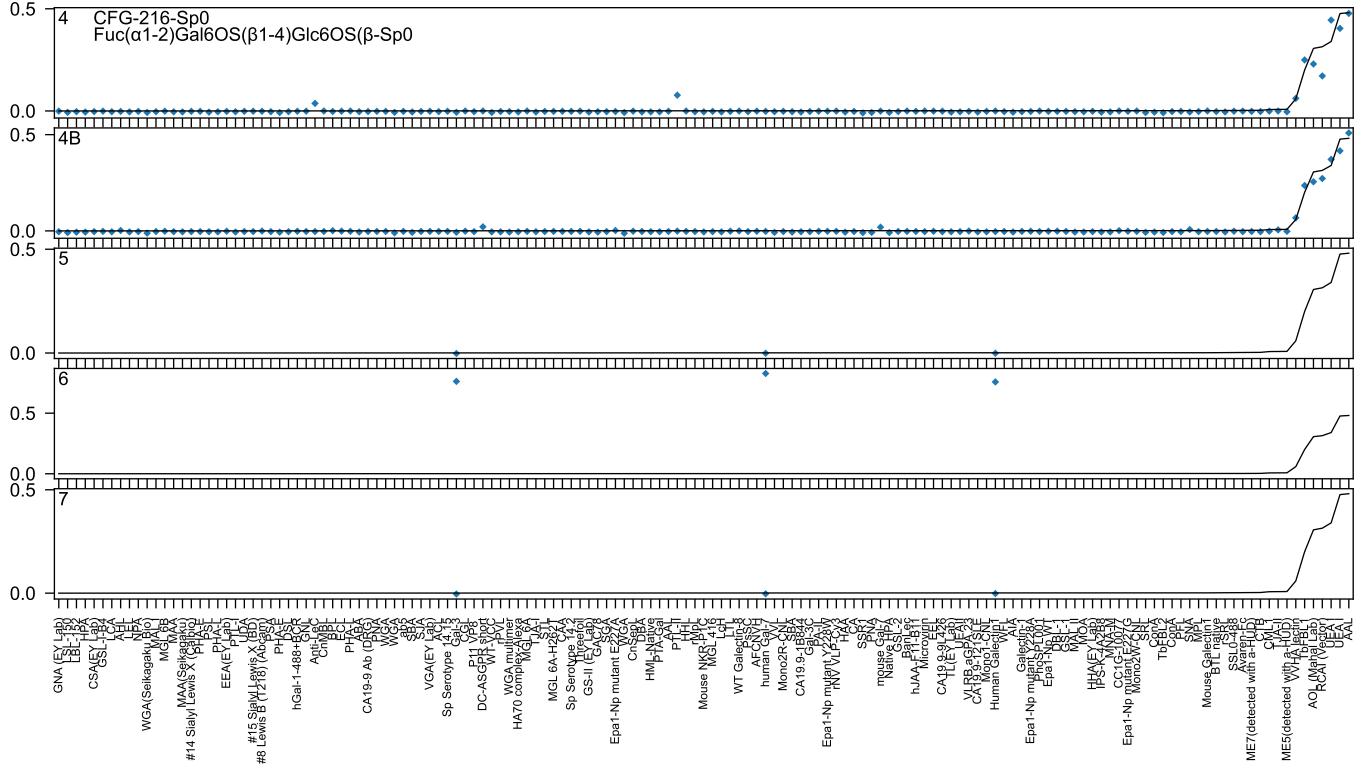

4
CFG-208-Sp0
Man(β1-4)GlcNAc(β-Sp0
0.25
0.00
4B
.025
.000
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
CnSerA
NEA
NCA
MALT
WGA
MAA(Seikagaku)
PNA
PHA
PSL
HHA(EY Lab)
PTA(EY Lab)
PTL-I
EEA(EY Lab)
PSA
PWM
PVL
VVHA (Sigma)
Native HPA
WGA(Seikagaku)
Human Gal-7
WFL
CA19.9-12
SLE
AOL (Mahal Lab)
PA
TJA-I
Epa1-Np
BPL
mouse Gal-7
WGA mutant
UEA-1
CSA(EY Lab)
Mouse Gal-1
#14 Sialyl Lewis X (Calbiochem)
hGal-1-48kDa
MPA
WGA
GSL-I B4
Galectin-1
Mouse Galectin-1
Human Galectin1
CSX
UEA-I
CMA
ABL
#15 Sialyl Lewis X
Mono2R-CONJ
AIA
HPA
HA
HHL
VGA(EY Lab)
LEL
#8 Lewis B (T218) (Abcam)
GSII
SNL
MOA
ACA
AAL
LBL-I
PhoSL-I
GSL-2
HA70 complete
Epa1-Np mutant 2
DSL
Epa1-Np mutant E227G
GNL-1
Sp Serotype 4
WGL-8A
HMC(Calbiochem)
VVL
AFCNVH
PTL-CA
CA19.9-1.428
Mono1-CONJ
WGA-Biotin
CA19.9-AB (DRG)
Epa1-Np mutant 1
ZAN
Ban-Ia
Ban-Ib
PA-IL
BPP
GNA (EY Lab)
TGPBX
TKA
MPL
UEA
WT1-vGC
Avenin-1
Sp Serotype 4 1.5
VLRB.aGPA
LSL
SSB1
LSL-UDA
DBA
TKB-1
TKB-4
GAL
LEL
MGL-RB
SBA
GS-II (EY Lab)
STA
CTB
CA19.9-1.1024
MGL-8A-H2821
RCA(Vector)
DSL
DBL-1
MDA
Thyroglo
Epa1-Np mutant
ZAN
VGA
IPS-K-4-00007
Mono2W-CONJ
DC-ASGPR-00007
P11 VP8
BTL mouse
Cathepsin
SNA
SSL0
Gal-3
TL-I (EY Lab)
ME5(detected with a-HUD)
ME7(detected with a-HUD)
hJAA-F11
ATL
SSL
NVVLP-CO
STL

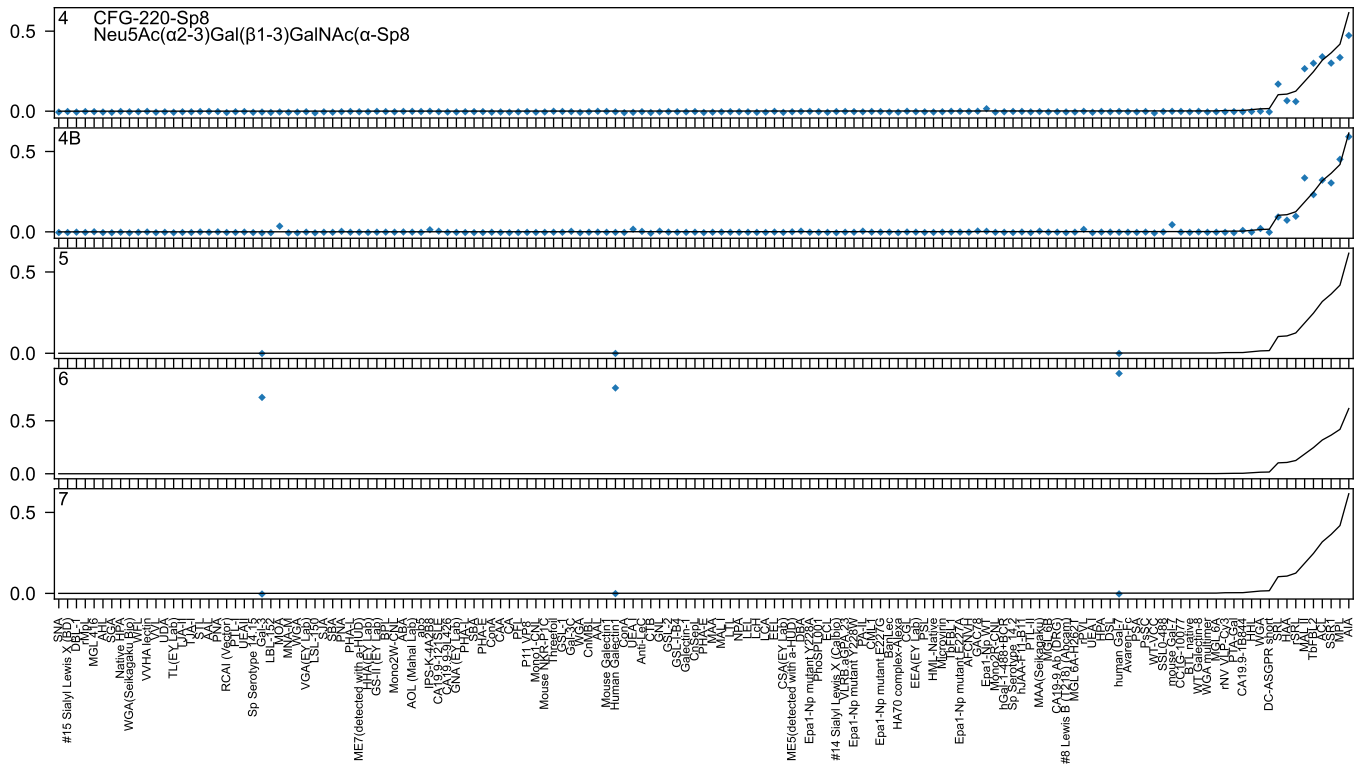

4
CFG-210-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
0.2
0.0
4B
0.25
0.00
5
0.05
0.00
6
1
0
7
0.05
0.00
SNA
PNA
HHA(EY Lab)
GSII(EY Lab)
BPL
AOL (Matsu Lab)
Microvirin
IPS-K-42-B8
ASA
BanLec
WGA multivalent
PWM
MGL 66
CC1G-10-07
SNA
SNA
AAL
Native SPA
WGA(Seikagaku, Bio)
PWM
UEA(I)
DSA
SBA
UEA
UEA
Epa1 Cmut
Epa1 Cmut
PnuSP-001
CA19-9 Ab
CCL1
CA19-9 Ab
Chitosan
Avarol-Fc
SSL
BTL
Man-Fc
Man-Fc
#14 Sialyl Lewis X (TF-B)
#13 Sialyl Lewis X (TF-B)
#8 Lewis B (T2-B) (Abcam)
VLRB.aGPA.v3
VLRB.aGPA.v3
ME7(detected with anti-UD)
TSL-1
TSL-150
WFL
MOX
MNA
MNA
VGA(EY Lab)
UDA
UDA
MGL 6A-H2621
SPA
SPA
HAA
HAA
RBA
RBA
DSL
DSL
GNL
GNL
GSII-2
GSII-2
ConA
ConA
CAA
CAA
PJ1
PJ1
VRA
VRA
MonoR(EY Lab)
MonoR(EY Lab)
Mono1-CNL
Mono1-CNL
Threelectin
Galectin
WGA
WGA
WPA
WPA
AAL
AAL
Mouse Galectin-1
Human Galectin-1
ECA
ECA
UEA(I)
UEA(I)
Ann-V
AIA
AIA
LCA
LCA
MAL II
MAL II
PTA-Gal
PTA-Gal
PHA-E
PHA-E
PHA-L
PHA-L
MAA
MAA
RCAI (Vector)
RCAI (Vector)
NPA
NPA
PHA-L
PHA-L
LEL
LEL
Epa1-Nq mutant E227G
Epa1-Nq mutant E227G
CA199 - 121SLE
CA199 - 121SLE
Epa1-Nq mutant E227A
Epa1-Nq mutant E227A
CA19-9 Sel-B6
CA19-9 Sel-B6
Sp Serotype 14-15
Sp Serotype 14-15
CA19-9 Sel-B44
CA19-9 Sel-B44
VVH (Hyacinth)
VVH (Hyacinth)
Epa1-Nq mutant Y228A
Epa1-Nq mutant Y228A
Epa1 Nq
Epa1 Nq
Mouse NK-1 P1C
Mouse NK-1 P1C
CSA
CSA
HA70 complex-Alexa
HA70 complex-Alexa
Mono2W-VRL
Mono2W-VRL
CSL
CSL
hGal-1 ABH-B03
hGal-1 ABH-B03
hJAC4 ABH-B03
hJAC4 ABH-B03
AFCDNH
AFCDNH
PsSC
PsSC
GAC-78
GAC-78
PAA
PAA
ABA
ABA
RIC
RIC
PNA
PNA
PVL
PVL
ME5(detected with a-HCD)
Galectin-1
Galectin-1
Nurim Gal-7
Nurim Gal-7
mGal-1 (EY Lab)
mGal-1 (EY Lab)
WT Galectin-1
WT Galectin-1
Galectin-1B8
Galectin-1B8
DC-ASGPR sinol
DC-ASGPR sinol
mouse Gal-7
mouse Gal-7
MAA(Seikagaku)

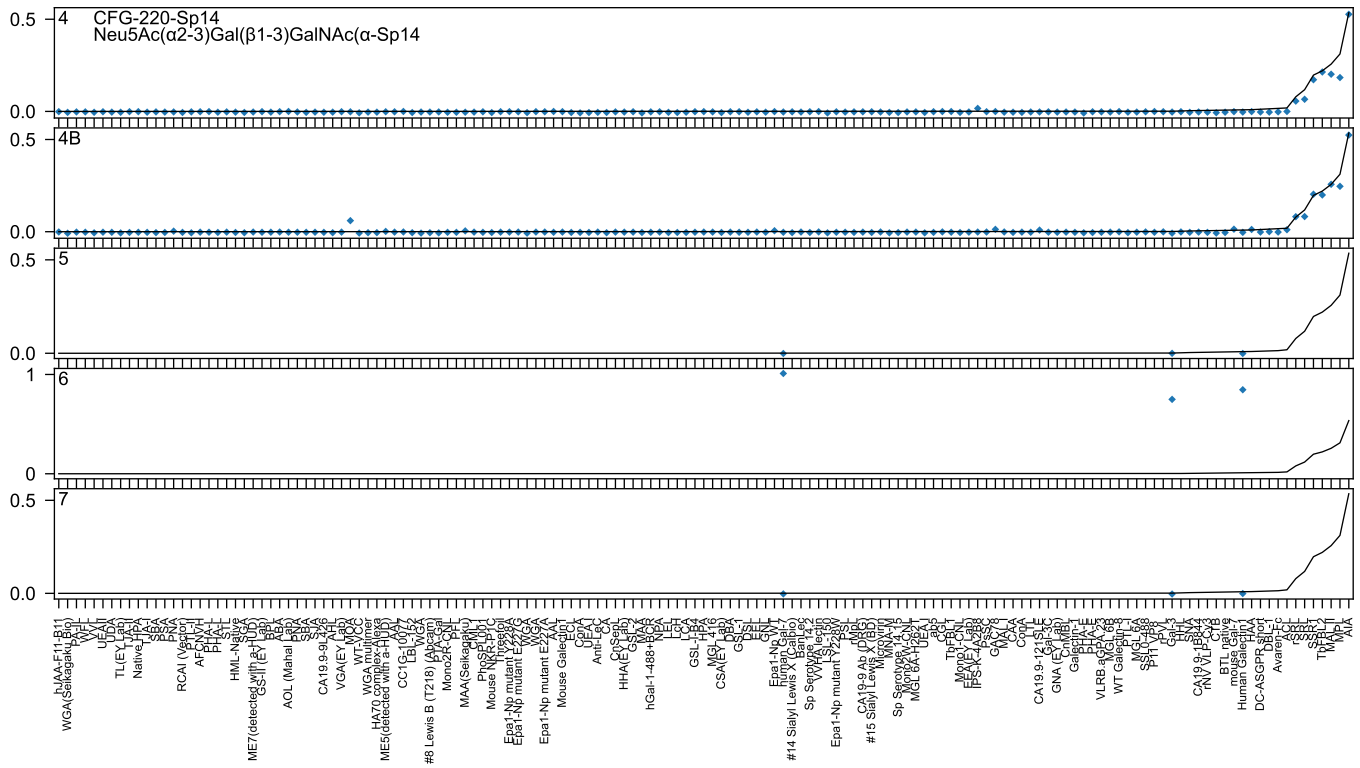

4
CFG-211-Sp8
Gal3OS(β1-4)[Fuc(α1-3)]GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H2007
MGL
HA70 complex-Alexa
SGA
WGA(Seikagaku)
Bio
TVL
IPS-K-4
E-BS
TL(EY Lab)
sBA
PNA
PTL-I
PTA
Gal
abs
LEA
GS-II (EY Lab)
Bio
Dixo5-Sp-001
CA19.9-Sp-001
Sp Serotype 14.2
Sp Serotype 14.15
DC-ASGPR-mono
#15 SialyLewis (BD)
MGL-418
VLRB-Sp (BD)
LBL-152
ACA
MNA-N
UEA
SBA
SBA
GNA(EY Lab)
EEA(EY Lab)
PHA-E
hJAA-F11-B11
PHA
GNL
GSL-I
ConA
CAA
Mono2R-CN
Mono1-CN
ACA
ACG
WGA
Mouse Galectin1
UEA1
DBA
Anti-I-BC
GSL-I-BC
NPA
LCA
GSA(EY Lab)
VGA(EY Lab)
Fucoidin
CA19.9-121SLE
APCNV9
APCNV8
Microvillin
#8 Lewis B (T218) (Abcam)
WGA-Lectin
CA19.9-1B44
CnSBP
CA19.9-9-1428
Thrombin
Threefold
HML-Ferritin
WGA
GAC-K8
Mouse NKR-P1C
Epa1-Np mutant E227A/G
DSA
LSL-1180
CnSBP
WFL
TbFBL2
PHA-E
PHA-E
WT Galectin-3
PHA-L
PHA-L
Bio-HPA
Native HPA
Gal-BC
HAA
hGal-1-488+BSA
Gal-3
#14 SialyLewis X (BD)
WGA(Bio)
SSA
SSA(Bio)
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
WGA mutmer
MHA(EY Lab)
Epa1-Np mutant Y228W
RCA (Vector Lab)
CBP
CSR
Epa1-Np WT
RT1 native
Avidin-FITC
MAL-II
human Gal-7
SBA(Lectinity)
CCL-1077
Galectin(D)
ME5(detected with a-PMLD)
DBL-1
ME7(detected with a-PMLD)
rNV VLP-Cy3
mouse GBEL
Human Galectin1
SNA
SNA
MAL-I
AOL (Maha Lab)
MAA(Seikagaku)
AAL

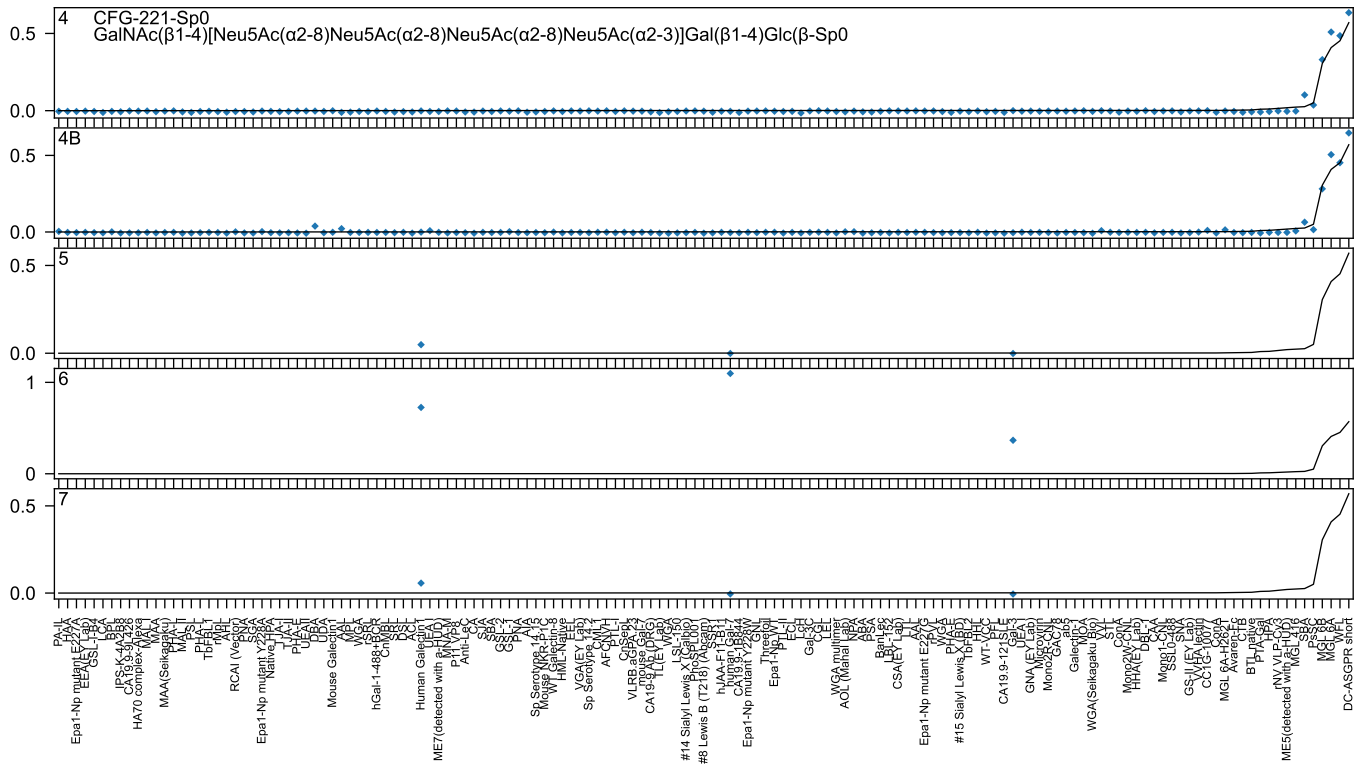

4
CFG-212-Sp0
Fuc(α1-2)Gal6OS(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
Jacalin
EEA(EY Lab)
GS-II(EY Lab)
PNA
ABA
ABA
ABA
IPS-K-44-1
CA19.9-21-SCE
CA19.9-19-SCE
CA19.9-19-829
mouse Gal-7
human Gal-7
WGA multimer
HA70 complex
MGL-6A
MGL-6A
OBS-1
SSA
SSA
Native BTA
PAL
TJ-I(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
MAA
Epa1-Np mutant Y228W
CA19.9-Ab-PRC3
CA19.9-Ab-PRC3
PSSC
DC-ASGPR spot
GAC78
BTJ-Lewis X (Calbio)
#14 Sialyl Lewis X (Calbio)
#8 Lewis X (Calbio)
VN VDB-CX3
VN VDB-CX3
MET(detected with α-HUD)
LBL-162
ME5(detected with α-HUD)
WT-MOX
VGA(EY Lab)
SSA
SSA
PHA-L
hJAA-F11-B11
PCA-E
PCA-E
MVA
MAL
CAA
CAA
P11
VFB
NTX
GNL
LCA
LCA
DSL
GSL-I
Mono2-CN
Mono1-CN
AIA
CenA
Human Galectin1
PTL-I
Mouse Galectin1
WGA
PNA-Gal
PAL
PSL
PHA-E
Threefoil
HPA
Microvillin
LSL-150
MVA
MVA
Epa1-Np mutant Y228R
Epa1-Np mutant Y228R
HML-Native
TPFBT-1
Epa1-Np mutant E122G
GSL-I-B4
MPL
AEL
Mono2W-CN
MGL 6A-H2B2
FVA
hGal-1-488+BCB
APCVT1
HAA
LTA
MGL-1
CSA(EY Lab)
Mouse NK-P-TR
PhoSL
WGA
Galectin1
MAA(Seikagaku)
WFA
Sp Serotype 14-1
Sp Serotype 14-1
SSL-488
Avaro Gal-3
Cladosporin
Epa1-Np WT
CC1G
MOLI
Sp Serotype 14-15
Epa1-Np mutant Y228V
Epa1-Np mutant Y228W
WHA lectin
AOL (Mahal)
PTL-I
UEA
RCA I (Vector)
PEA
AAL

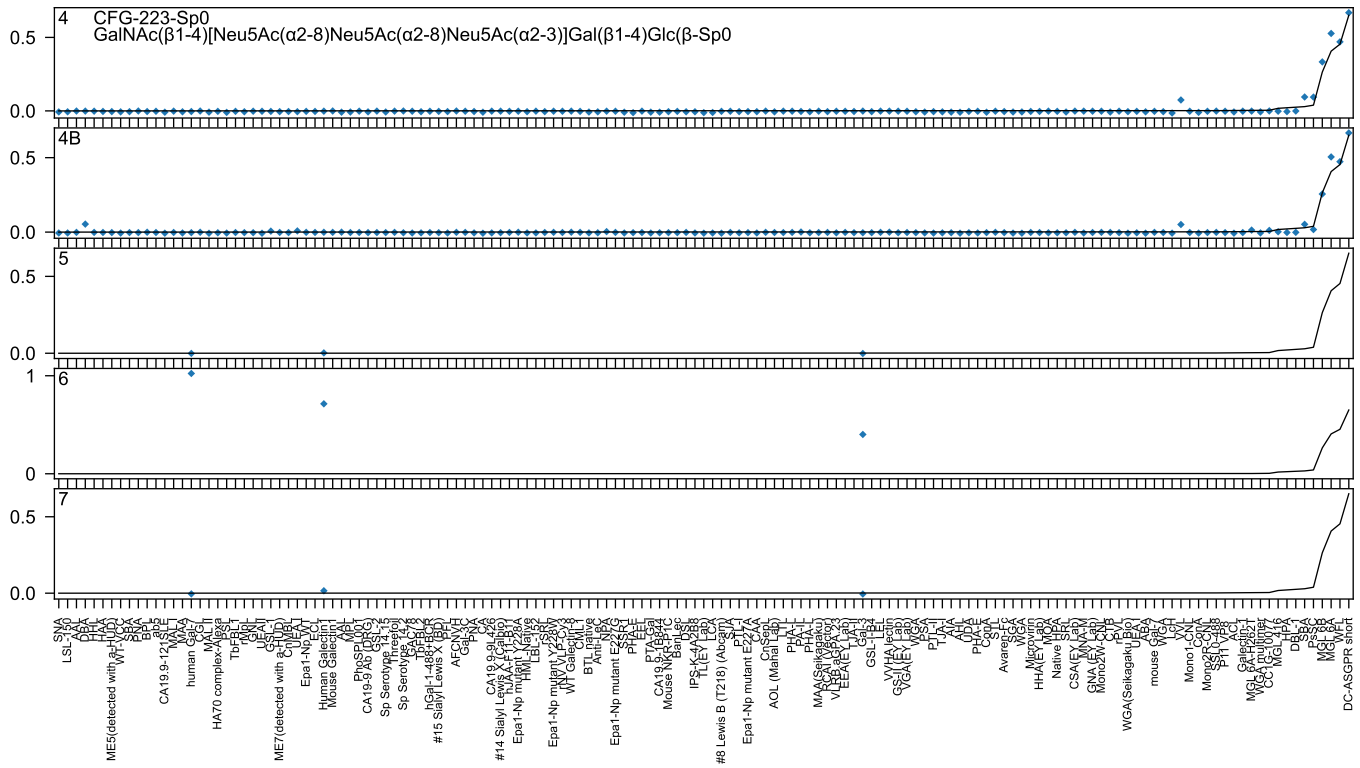

4
CFG-213-Sp8
Fuc(α1-2)Gal(β1-4)GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
BPL
BSA
PNA
HHA(EY Lab)
Mono2R_CNL
PA-GIL
SBA
MAA_E
MAA_H
EEA(EY Lab)
NPA
MGL
GNA (EY Lab)
VLRB.aGP-9
LB-162
MOR-RB
SJA
nAH
PHA-L
PHA-E
WT-PoC
Bau-86
ME5(detected with a-HUD)
TL(EY Lab)
TJA-I
CA19-9 (BSL)
cCA19-9 (BSL)
ACL
DC-ASGPR
Sp Serotype 14 (Lab)
GS-II (EY Lab)
rsBA
SRA
CA19-9 Ab (DRG)
PhoSPLOD1
Epa1-Np mutant Y228(W)
CnMBL
CA19-9-A26
IPS-P-A26
#14 Sialyl Lewis X (Calbio)
LTA
TaTFB1.2
BTL
BC Native
Mono2R_CNL
GSL-I
GSL-2
CAA
PCL
HA70 conjugate-Alexa
rNV VLP-Alexa
NGA
SSA
HML
PHA-E
AEC
VGA(EY Lab)
MGL (EY Lab)
Native TIPA
CSA (EY Lab)
MAA(Seikagaku)
#8 Lewis B (T2) (EY Lab)
Mono TJA-I
VVL
#15 Sialyl Lewis X (BD)
Sp Serotype 19 (Lab)
SGA
WGA
hJAA-F11-B11
Mouse NKR-1
HPA
EAL
UEA-I
MVA(N)
GNA
Gal-8
Gal-3
Gal-1
hGal-1-488-Sepharose
Gal-3C
Gal-1C
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
ME7(detected with a-HUD)
Epa1-Np mutant Y228(W)
SSL-I
WGA(Seikagaku)
UDA
Avarol-PE
Mouse Galectin-1
Epa1-Np
CGL
SNA
RCA(Vector)
Epa1-Np mutant E227Q
CTB
Galectin-7
WGA multimer
VIP
Anti-Gal
PTA-Gal
TJA-II
human Gal-7
Human Galectin-1
VVA lectin
PTL-I
mouse Gal-7
OAA
STL
AOL (Marker)
TaTFB1.1
UEA-II
AAL

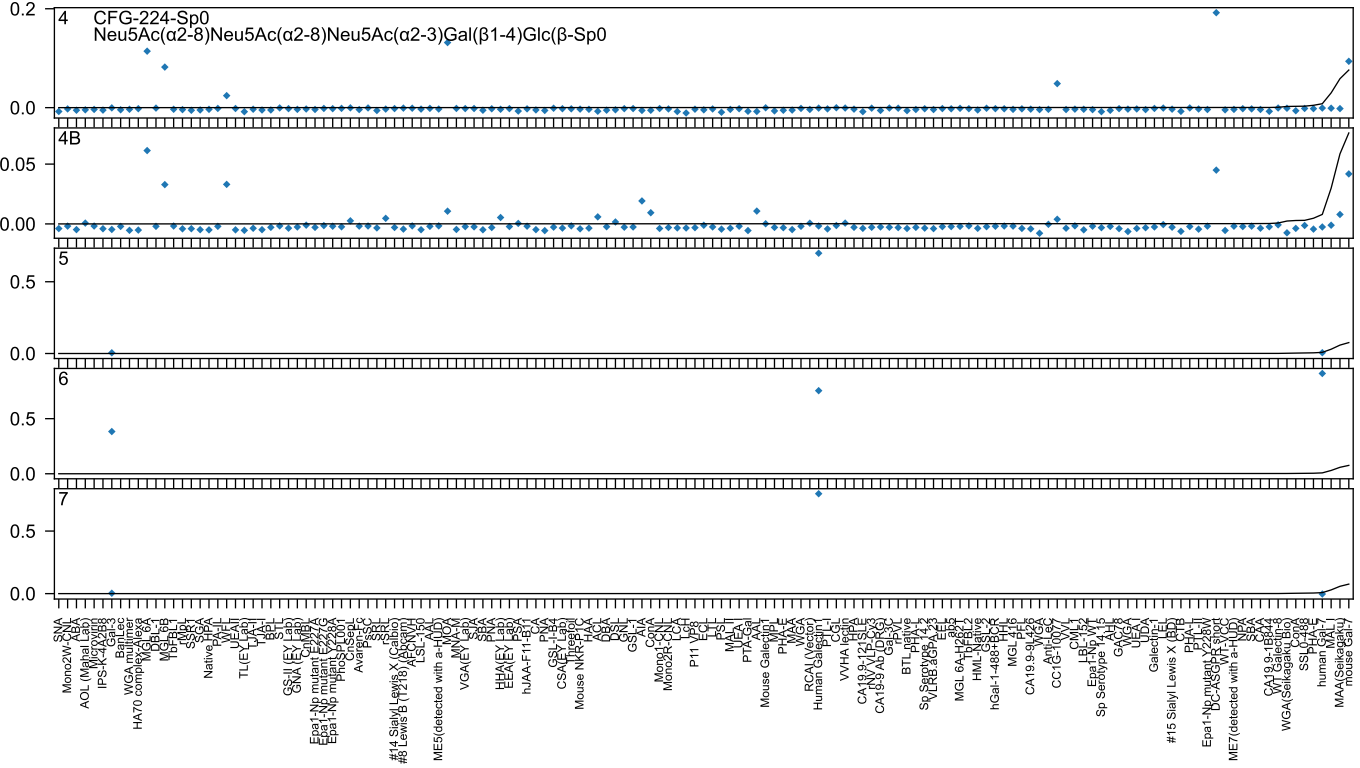

4
CFG-216-Sp0
Fuc(α1-2)Gal6OS(β1-4)Glc6OS(β-Sp0
4B
5
6
7
0.5
0.0
GNA (EY Lab)
PNA
LBL-1 Lab
CSA(EY Lab)
GSL-I B4
AGL
NPA
WGA(Seikagaku Bio)
MGL (Lab)
MAA
MAA(Seikagaku)
#14 Sialyl Lewis X (Kanto)
PHA-E
PHA-L
EEA(EY Lab)
#15 Sialyl Lewis X (Kanto)
#8 Lewis B (Y-218) (Ab Lab)
PSA
PHA-P
DSA
hGal-1-488+BME
Anti-HNK
Chondrin
BBL
ECL
PNA
ABA
CA19-9 Ab (DRG)
WGA
WGA
WGA
SBA
SBA
VGA(EY Lab)
Sp Serotype 14
Sp Serotype 1
Gal-3
VGA
P11
DC-ASGPR spot
WT-Tetraspanin
PVC
WGA multimer
HA70 complex
MGL-6A
TJA-I
SAL
MGL 6A-H2B1
Sp Serotype 14
Sp Serotype 1
Threefoil
GS-II (GSL-II)
GALA
Epa1-Np mutant E227G
WGA
Chondrin
SBA
HMA
Native
PNA
Gal
PTL-I
PTL-II
DVL
Mouse NK1
MGL 41C
LCH
WT Galectin-3
AF-ESGC
human Gal-7
XVL
Mono2R-CRD
SBA
CA19.9 Ab
GBS-C
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
NVJ
HAA
SSA
mouse Gal-4
Native HPA
BSL-II
hJAA
F11-B11
MicroVEL
CA19.9 Ab
CA19.9 Ab
LEL
UEA-I
VVL
CA19.9 Ab
CA19.9 Ab
Mono1-CNT
Human Galectin-1
PTL-I
AIA
Galectin-1
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
PNA
Epa1-Np WT
DBL-1
MGL-1
MOA
HHA(EY Lab)
PS-K-LA289
CC1G
MNA(EY Lab)
Mono2W-CRD
Epa1-Np mutant E227G
CC1G
Mono2W-CRD
Thomsen-Friedenreich
CBA
CBA
PFL
MPA
Mouse Galectin-1
Bovine Galectin-1
SSA
Galectin-1
ME7(detected with a-FUD)
ME5(detected with a-HOD)
VVHA lectin
AOL (Marbl Lab)
RCA(Vector)
UEA
AAL

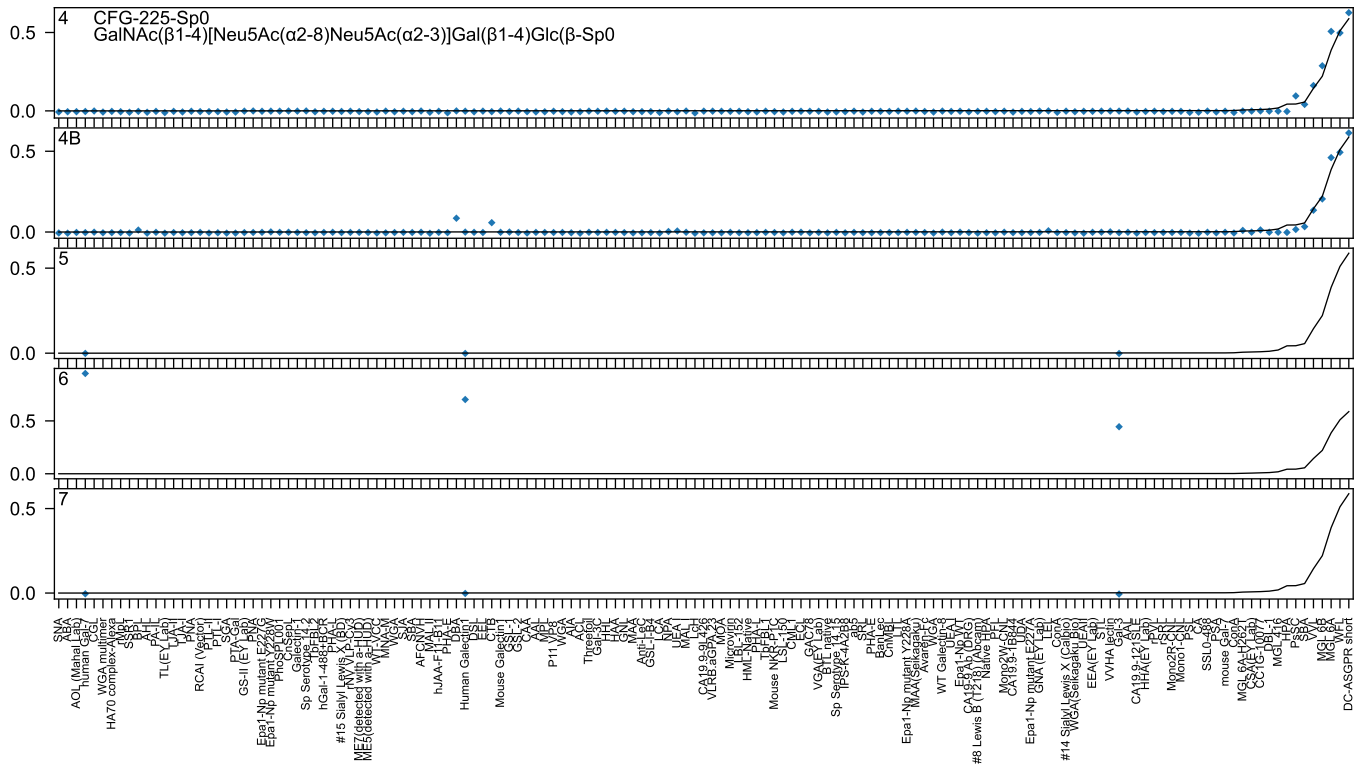

4
CFG-220-Sp8
Neu5Ac(α2-3)Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
#15 Sialyl Lewis X (Sp
DBA
DBL-1
MGL-1
ASL
ASI
Native PHA
WGA(Seikagaku, Bip)
VVHA (Vector)
UDA
TL(EY Lab)
UEA-I
SAL
SAI
PNA
RCAI (Vector)
UEA-II
Sp Serotype Gal-3
LBL-1
MNA-M
VGA(EY Lab)
LSL-1(Bp)
SBA
SSA
PNA
PHA-L
ME7(detected with a-HUD)
GSL-I(EY Lab)
BS-I
Mono2W-KBA
AOL (Mahal Lab)
IPS-K-14-A
CA19.9 (Ab)
GNA (EY Lab)
PHA-E
PHA-L
PHA-E
CVA
PCA
P11
VF6
MOR(R-PNC)
Mouse Galectin-1
Mouse Galectin-3
CnA
ACL
Mouse Galectin-1
Human Galectin-1
CGA
Ant-PEA
CTB
GSL-I-B4
Galectin-1
Galectin-3
PNAE
MAL1
NPA
LEL
LCA
ME5(detected with a-HUD)
Epa1-Np mutant Y228A
phoSPLDD1
#14 Sialyl Lewis X (Sp
Epa1-Np mutant P229A
Epa1-Np mutant E231G
BanLec
HA70 complex-Alga
EEA(EY Lab)
HML-Native
Epa1-Np mutant E227A
APC-CVA
Epa1-Np WT
hGal-1(468+BCS)
Sp Serotype 1-1
TJA-I
p-hT-I
MAA(Seikagaku)
CA19.9 Ab (DRG)
#8 Lewis B (Sp
MGL-1(Ab-Prozyme)
UEA-I
human Gal-7
AvaRep-FEE
PSSC
MT-VSK
mouse Gal-2
CCIT-10077
WT Galectin-8
WGA mutmer
rNV VP1-Cx3
CA19.9 (Ab-341)
VIL1
DC-ASGPR stem
SIGN
SRL
SSL
TM-PEL2
SSA
MIB
AIA

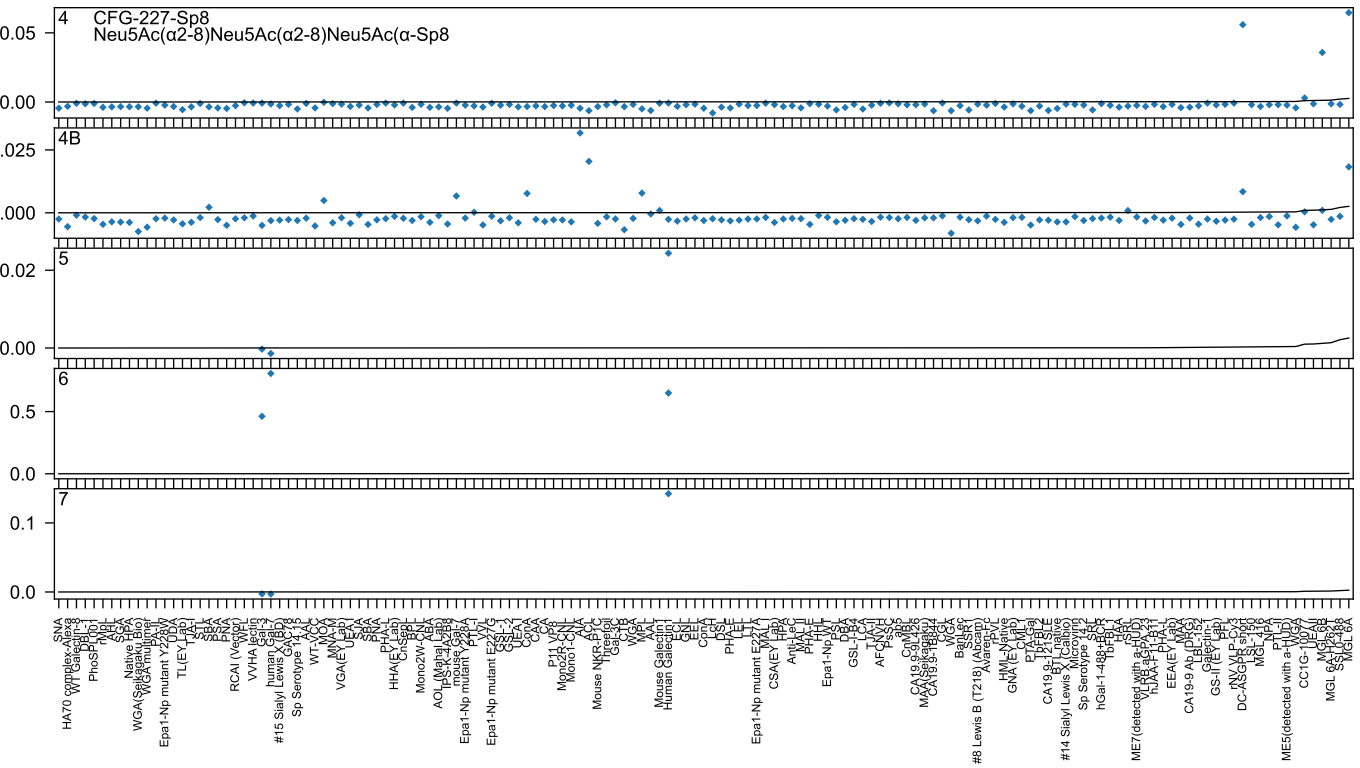

4
CFG-220-Sp14
Neu5Ac(α2-3)Gal(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hMAF-F11-B11
WGA(Seikagaku) Bio
PAL
WGA
UEA
UEA1
TL(EY Lab)
Native_LPA
LA-1
PSA
PNA
RCAI (Vector)
AFP(NYU)
PHA-E
PHA-L
HML-Nature
SSA
ME7(detected with a-HUD)
GSL-I(EY Lab)
BPL
ABA
AOL (Mahal Lab)
SBA
SNA
CA19.9-9A
AAL
VGA(EY Lab)
VVA
WT-VCC
WGA multimer
HA70 (Chimera)
ME5(detected with a-HUD)
CC1G-10047
LB (Vector)
#8 Lewis B (T218) (Abcam)
PAA-Gal
Mono2K-Gal
PSL
MAA(Seikagaku)
PhoSL001
Mouse NK receptor
Epa1-Np mutant E229A
Epa1-Np mutant Y228W
WGA
Epa1-Np mutant E229A
AAL
Mouse Galectin
LTL
CGA
Anti-LeC
CA
CrSeb
HHA(EY Lab)
GNA
hGal-1-488+BCR
NEA
LCA
GSL-I-B4
MGL-1-488
CSA(EY Lab)
GSL-I
DSL
GNL
Epa1-Np WT
Epa1-Np mutant Y228W
#14 Sialyl Lewis X (Calbio)
Sp Serovar 1
Ban Lec
VVHA (recb)
Epa1-Np mutant Y228W
PSL
#15 Sialyl Lewis X (BD)
CA19-9 Ab (DRG)
MMA-M
Sp Serovar 5 CPS
MGL BA-1-PE21
UEA1
abo
PGL
TbPGL
Mono1-CNL
FPS-K(EY Lab)
FPS-N(EY Lab)
PSSC
GNA(EY Lab)
CA
Concan
TNL
CA19.9-12-SLE
GNA (EY Lab)
Galectin1
BPL
PHA-E
VLRB.aGPA.25
WGA GlcNAc
WT Galectin-1
PHL-1
SNA(EY Lab)
P11 VP8
Gal-3
HUL
CA19.9-1B
rNV VLP-C08
BTL native
mouse Galectin-1
Human Galectin-1
HAA
DC-ASGPR-CRD
DBL(EY Lab)
Avaren-Fc
rSSL
SSL
SSRT
TcFBL2
MVL
MP
AIA

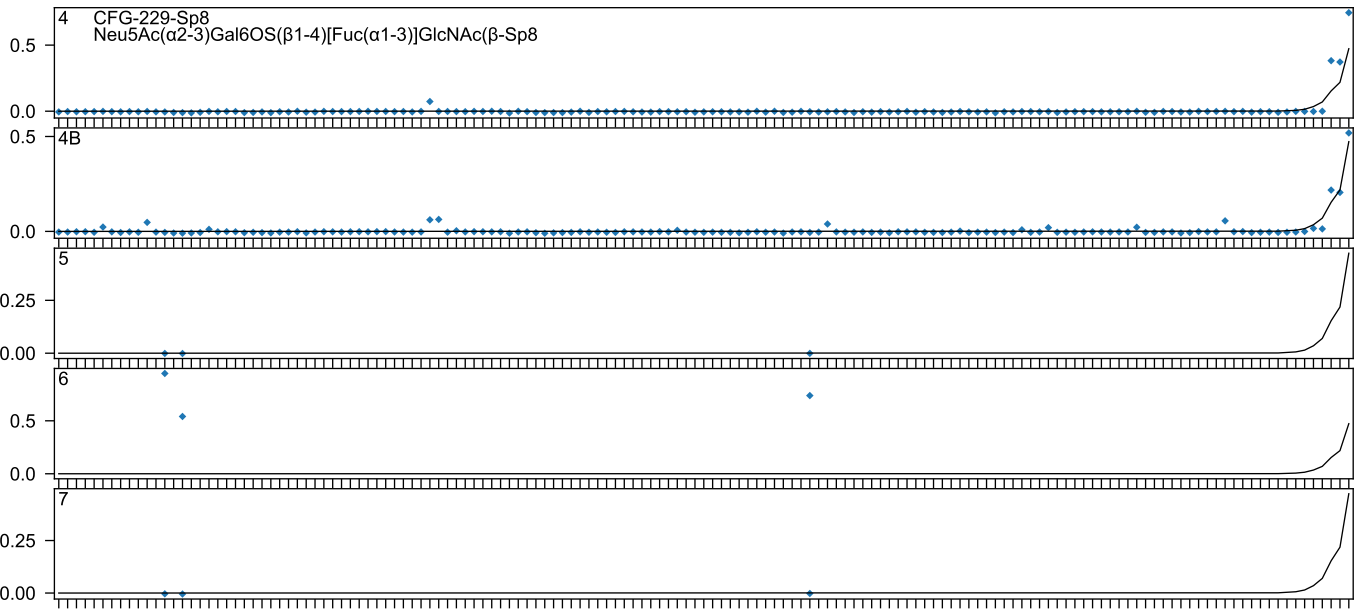

4
CFG-221-Sp0
GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
PAA
PAA
Epa1-Np mutant E227A
EEA
GSL I-B4
BoA
IPS-K-4-0288
CA19.9-94-226
HA70 complex
MAL
MAA(Seikagaku)
WGA
PHA-L
PSL
PHA-E
TJA-I
MGL
ACL
RCAI (Vector)
PNA
ACA
Epa1-Np mutant Y228A
Native PHA
TJA-II
PTEAT
UEA
DBA
Mouse Galectin-1
ABA
AIA
WGA
hGal-1-488+GSH
CnuB
DSL
ACG
ACL
Human Galectin-1
PHA
ME7(detected with PNA)
MAL
PTL
Anti-Lex
SNA
SNA
GSL-I
GSL-I
AIA
Sp Serotype 1-18
Mouse Galectin-8
WGA
HML-Native
VGA(EY Lab)
Sp Serotype 9-11
AFCDYT
CnuSep
VLRB.aGPA-2
CA19.9(Kyb PRG)
CA19.9(Kyb PRG)
TLE(Vector)
#14 Sialyl Lewis X LSL-150
#8 Lewis B (T218) (Assay)
hJAA-F-11-B11
CA19.9(18844
Epa1-Np mutant Y228W
Threelo
Epa1-Np WT
PA
ECL
Gal-3C
CGE
WGA multimer
AOL (Mahal Lab)
ABA
ABA
PSA
Bam-152
LEL-152
CSA(EY Lab)
AAL
Epa1-Np mutant E227A
PVL
WGA
PNA
#15 Sialyl Lewis X (BD)
TBP-BIZ
WT-VGC
CA19.9-121SLE
Gal-1
GNA (EY Lab)
MGCGIII
Monoclonal
GAC78
Galectin-8
WGA(Seikagaku)
WGA
STL
CCL
Mono2W-CNL
HHA(EY Lab)
CAA
Mgm1-L488
SSL0-L488
GSL-II (EY Lab)
VVA (EY Lab)
CCTG-10074
MGL 8A-H2821
AvareCTB
BTL-Native
PA-IIL
TPA
NVJ VLP-103
ME5(detected with PNA)
MGL 416
PSSA
MGL 88
MGL 88
WFA
DC-ASGPR short

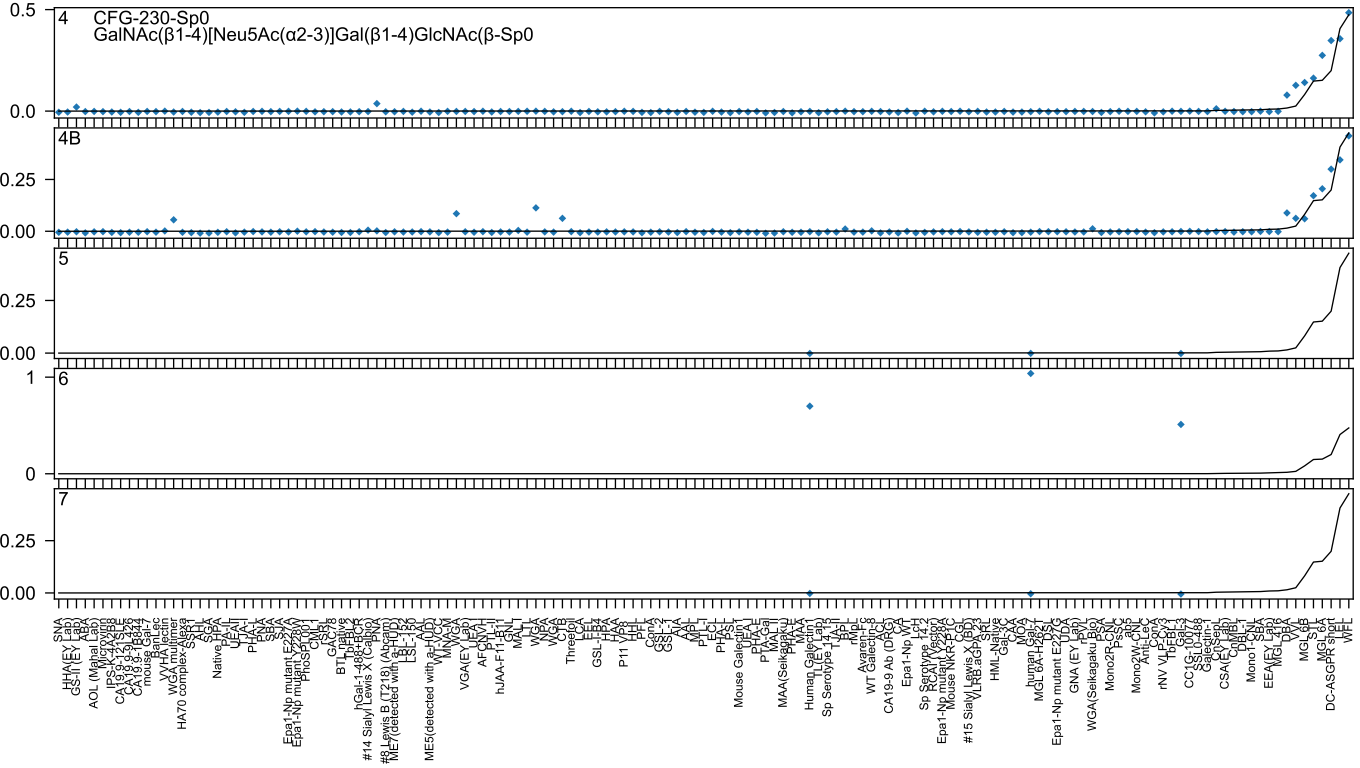

4
CFG-223-Sp0
GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SVA
SVG
LSL
AAL
DBA
PNA
HPA
ME5(detected with a-Tox)
WFL
VVL
BSA
BPL
CA19-9-121-SPE
MAL
MAL1
human Gal-9
MAL2
HA70 complex-Alexa
MOGA
TbFBP
ABL
UEAI
GSL(p)
ME7(detected with a-Tox)
CHIMBI
Epa1-NpTAT
ECL
Human Galectin1
Mouse Galectin1
ABA
PhoSPL001
CA19-9 Ab (BRIG)
Sp Serotype 14 1-5
Sp Serotype 14 (freeze)
Sp Serotype 14 1-5
TGA
hGal-1-488-BDK
#15 Sialyl Lewis X (BD)
AFCNVH
GNA
CA
CA19-9-9L
#14 Sialyl Lewis X (Calbio)
hJAA-F11-B11
Epa1-Np mutant E227A
HMI_Native
LBL-S82
Epa1-Np mutant Y228W
WT Galectin-3
CMLL1
BTL
Anthrax
Epa1-Np mutant E227A
SSRG
PTEEF
BTA-Gal
CA19-9-Gal
Mouse NKR-P1C
Banlec
IPS-K-4A288
TL(LEY Lab)
#8 Lewis B (T218) (Abcam)
PTL1
Epa1-Np mutant E227A
CnSeA
AOL (Mahal Lab)
PHA-L
PHA-E
PHA-L
MAA(Seikagaku)
VVL(BBI-Lab)
ELA(EY Lab)
Gal-3
GSL-I-B4
VVJ(HA lectin Lab)
GNA(EY Lab)
VGA(EY Lab)
WGA
PTL-II
TJA-I
AAL
AHL
PHA-E
CCA
CgnA
AvareS-Fc
VGA
Microvirin
HHA(EY Lab)
Native HPA
Lab
CSA(EY Lab)
GNA(MAA)
Mono2W-CRD
CVB
WGA(Seikagaku Bio)
UEA
mouse Gal-7
VGH
Mono1-CRD
CgnA
Monos-CRD
P11 VP8
Galectin-1
MGL EA H2621
MGL 1 (S-10074)
CBG 1 (S-10074)
MGL 416
DBL-1
PSSA
MGL 88
MGL 88
WFA
DC-ASGPR short

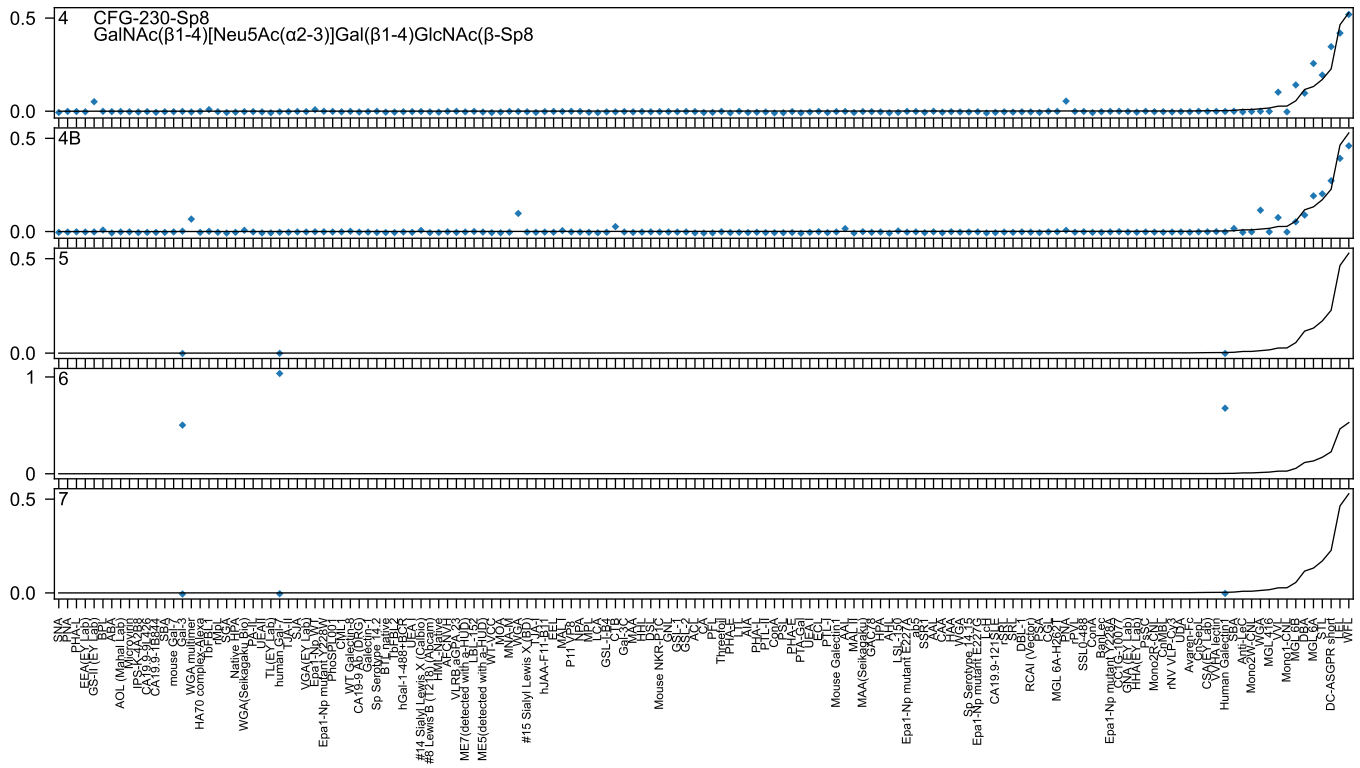

4
CFG-224-Sp0
Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α2-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.2
0.0
0.05
0.00
0.5
SNA
Mono2W-SNA
AEA
AOL (Mytilus edulis)
IPS-KAA
ABS
Bandec
WGA multimer
HA70 complex
MGL 6A
MGL 6B
TcBL1
SSA1
SSA
Native SSA
PA-IL
UEA-II
TL(EY Lab)
LCA
PSA
BPL
GS-II (EY Lab)
GNA (EY Lab)
Epa1-No mutant E227A
Epa1-No mutant E226A
Epa1-No mutant E226Q
PhoSL001
Avarigen-Fc
PsaC
SSR
#14 Sialyl Lewis X (Calbio)
#8 Lewis b (Calbio)
APCNVH
LSL-A
ME5(detected with a-HUD)
MMA-M
VGA(EY Lab)
SBA
ACA
HHA(EY Lab)
EEA(EY Lab)
hJAA-F11-B7
PNA
GSL-I-B4
CSA(EY Lab)
Mouse NKR-P1C
HPA
ACA
DBA
GNL
GS-IA
ConA
Mono2R-CNL
Monoz2R-CNL
LCA
P11
VFB
EOL
PST
MPA
PTA-Gal
AIA
Mouse Galectin-1
MIL
PNA
MAA
RCA(Vector)
Human Galectin-1
PC
CGL
VVHA lectin
CA19.9-12-SLE
CA19.9-12-Le
CA19.9 AD-DR-X3
Gal-3C
BTL native
PHA-L
Sp Serotype 1-115
TRB aGPA-23
EET
MGL 6A-H280T
HML DNBL2
GSL-2
hGal-1-486+PHA
PHA
MGL 4A
MGL 4B
CA19.9-9-426
VGA
Anti-CEA
CC1G-10077
CML1
LBL-167
Epa1-LBL-167
Sp Serotype 1-115
AOL
GALA
VGA
UEA
LEA
Galectin-1
CTB
PHA-E
PHA-L
#15 Sialyl Lewis X (BD)
Epa1-No mutant E226W
Epa1-No mutant E226Q
WT-Epa1-E226C
ME7(detected with a-HUD)
SBA
ACA
CA19.9-18844
WT-Galectin-8
WGA(Seikagaku)
Kiwi
Cgb
SSL7
SSL4
hLAS
human Gal-7
MAA(Seikagaku)
mouse Gal-7

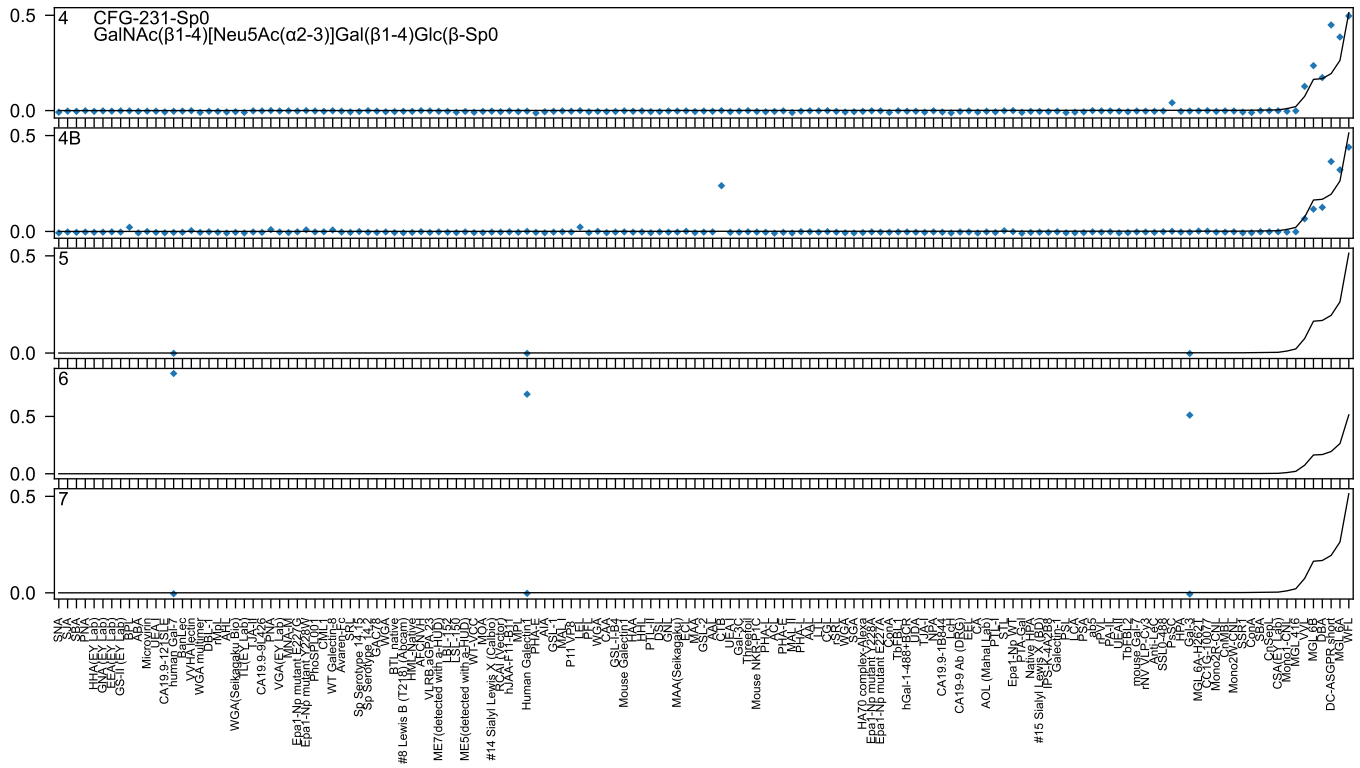

4
CFG-225-Sp0
GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
SSA
AOL (Mahal Lab)
human Galectin-3
HA70 complex-Alexa
WGA multimer
SBA
SBB
AAL
PNA
TL(EY Lab)
LCA
PAA
RCAI (Vector)
PTL-I
PTA
GSL-II (EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Sp Serotype 1
Galectin-1
hGal-1-48
#15 Sialyl Lewis X (BD)
MEZ(detected with a-HUD)
MES(detected with a-HUD)
WGA-N
VSA
SSA
AFGP
MAL II
hJAA-F
PHA-E
DBA
Human Galectin-7
EEL
Mouse Galectin-3
GSL-I
CAA
ABL
WFS
WGA
ACL
Thrombin
Galectin-8
HPA
GNL
MAA
GSL-I B4
NPA
UEA
MPL
CA19-9 (Ab 428)
VEAP (Ab 430)
MOA
MPL-vib
HML-Naive
TPBLT
Mouse NK-Tumor
LSL-PTG
CaLC
GAC
VGA(EY Lab)
Sp Serotype 1 Naive
PS-K-4A288
SRL
PHA-E
Epa1-Np mutant Y228A
MAA(Seikagaku)
Avarol
WGA
WT Galectin-8
Epa1-Np WT
C14(EY Lab)
#8 Lewis B (12-18)
ALDRG
Native FBA
EBA
Mono2W-CN
CA199-16B4
GNA (EY Lab)
Epa1-Np mutant E227A
CorA
#14 Sialyl Lewis X (Bio)
VGA(Seikagaku)
UEA(I)
EEA(EY Lab)
VVHA (sulfo)
CA19-9 (Ab 430)
AAL
HHA(EY Lab)
PNA
Mono2R-CN
Mono1-CN
CA
SSL0-488
mouse Gal-7
MGL-6A-HS024
CSA(EY Lab)
CCTG-DBL-1
MGL-416
PSSC
SVA
MGL-88
WFA
DC-ASGPR short

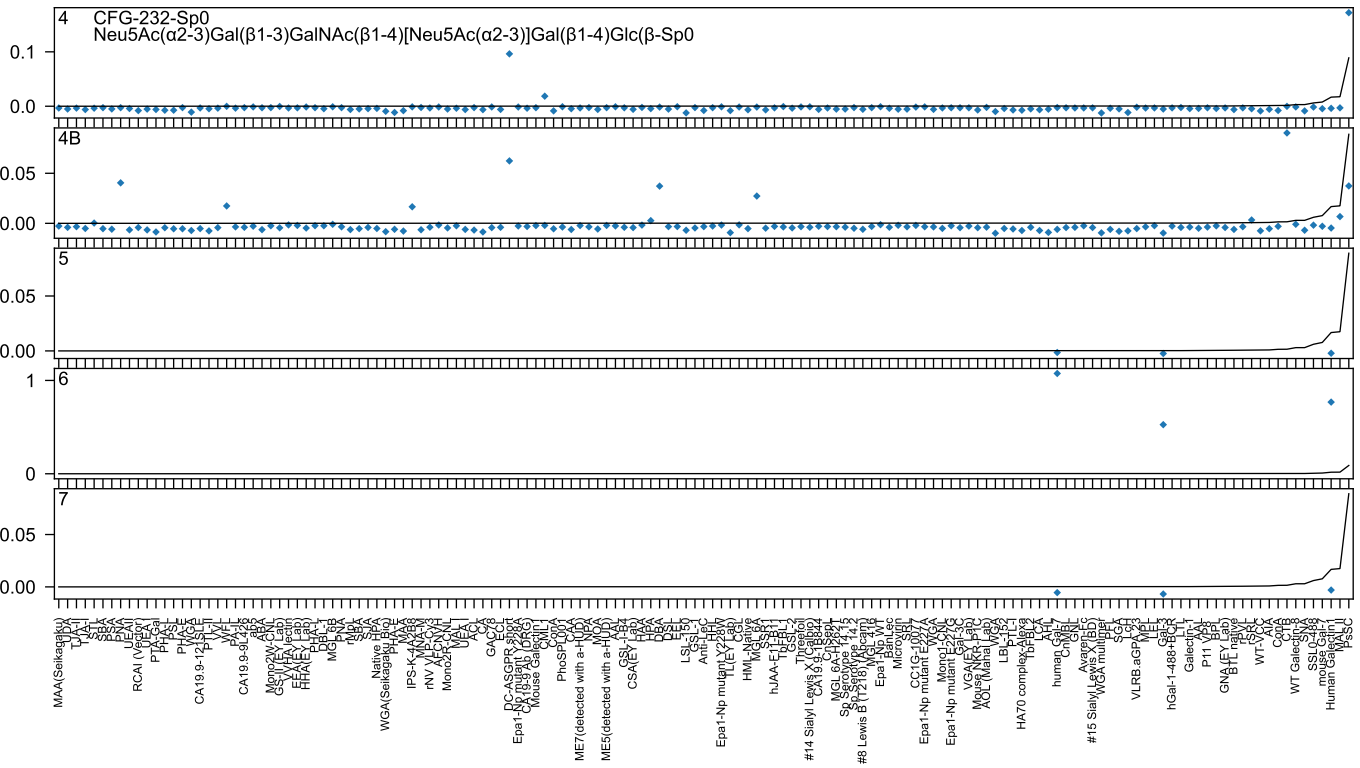

4
CFG-227-Sp8
Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α-Sp8
0.05
0.00
4B
.025
.000
5
0.02
0.00
6
0.5
0.0
7
0.1
0.0
SMA
HA70 complex-Alexa
WT Galectin-8
PhosPho1
Native BPI
WGA(Seq.Lab)
WGA multimer
Epa1-Np mutant Y228W
TL(EY Lab)
RCAI (Vector Lab)
VVHA (Seq.Lab)
#15 Sialyl Lewis Gal-3
human Gal-7
Sp Serotype 14 15
WT-XCL
MWCM
VGA(EY Lab)
HHA(EY Lab)
Mono2W-ABA
AOL (Matra Lab)
mouse Gal-7
Epa1-Np mutant Y227A
Epa1-Np mutant E231G
Mouse NKR-P1C
Mouse Galectin-1
Human Galectin-1
Epa1-Np mutant E231T
CSA(EY Lab)
Epa1-Np
#8 Lewis B (T218) (AbSent)
#14 Sialyl Lewis M(Colitoxin)
Sp Serotype 14 2
hGal-1488-BCS
ME7(detected with a-PrLD)
EEA(EY Lab)
CA19-9 Ab (DMS)
GS-Galectin-1
ME5(detected with a-PrLD)
CC1G-LEAI
MGL-88
MGL 6A

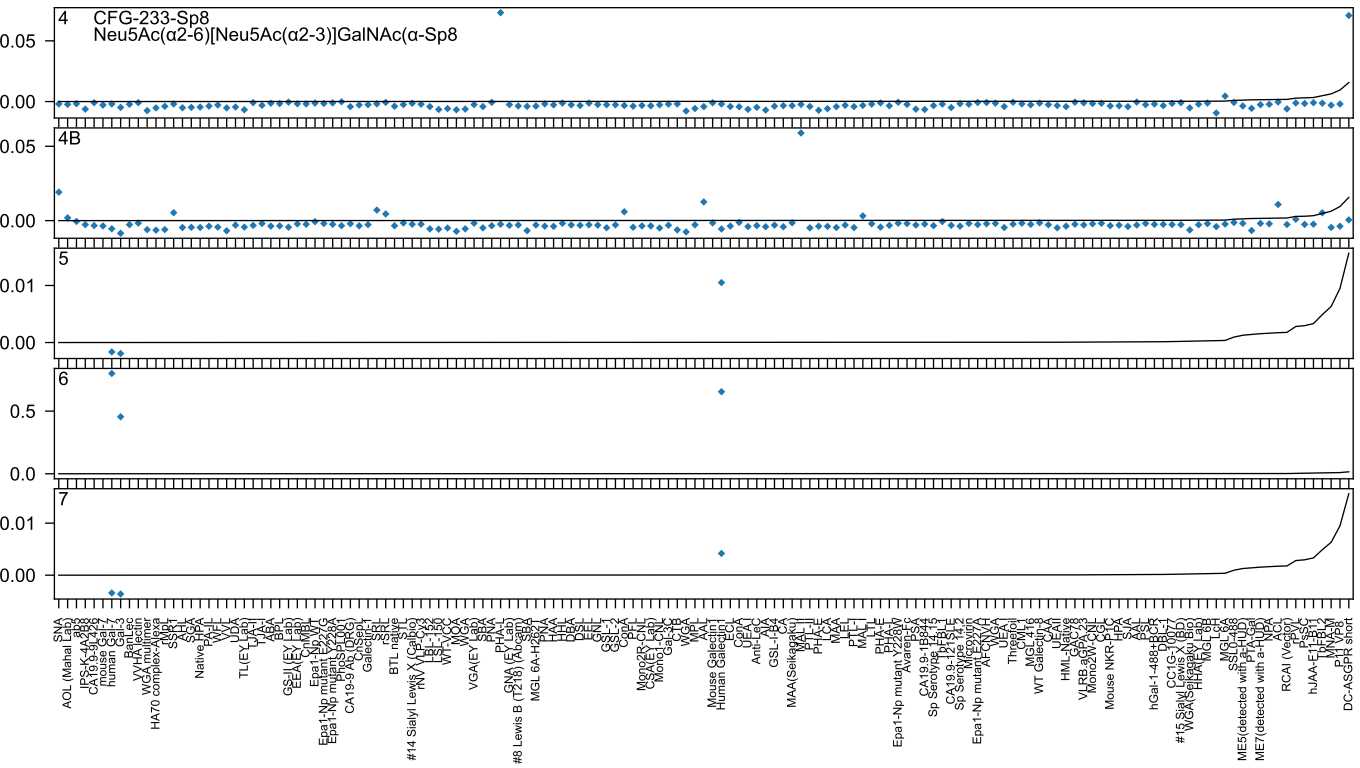

4
CFG-229-Sp8
Neu5Ac(α2-3)Gal6OS(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
0.5
0.0
4B
0.5
0.0
5
0.25
0.00
6
0.5
0.0
7
0.25
0.00
SNA
BNA
PHAL
EEA(EY Lab)
GSII(EY Lab)
BPL
Mono2W-Glc
ABA
IPS
Mcy2WB
CA19.9-9L42B
mouse Gal-7
human Gal-7
SBA
GNA
WGA multimer
HA70 complex
Alexa
WGA
DBL-1
CC1.G9.09
SSA1
HPA
Native WGA(Seikagaku Bio)
TKA
WFL
CVN
SJA
VGA(EY Lab)
Epa1-Nb
Epa1-Nb mutant E227A
Epa1-Nb mutant Y228W
Epa1-Nb mutant Y228A
PNA
PSA-FCGH
WFA
CA19.9 Ab (ORG)
CA
PSAC
TSR
SSL
Se Serotype
DC-ASGPR
DEA
#8 Lewis B (T218) (Abcam)
MGL
HWA
RNA
INV VLP-Cx3
WGA(Alexa-HUD)
ME7(detected with LSL-180)
ME5(detected with α-HUD)
WT-VGX
VGA
WGA
TbtFAT
hJAA-E11-B11
hJAA-E11-B4
GSL-I-B4
HPA
HPL
HHL
DSA
UDA
GNL
GSII-2
CON
CA
PCA
PEA
P11
Mono1-CVN
Mouse NKR-P1C
NKR-P1C
Galectin-3
CTB
WGA
Mouse Galectin-1
Human Galectin-1
ECL
UEA
Anti-Tac
Mono2R-CNN
EEL
PSL
SLL
SBA
TJA-I
TJA-II
RCAI (Vector)
PNA
LEL
PTA-Gal
MAL
PHA-E
MAL-I
NPA
PHA-L
MAA(Seikagaku)
CA19.9-42 (NKB)
GAC78
CA19.9-1B78
CA19.9-1B42
SGA
GSL-I
MAL II
Sp Serotype-5
Galectin-1
MGL BA-D2261
Epa1-Nb mutant
hGal-1-488+BCB
ABP
nSDS
SBL
Avegrin-Lec
Bast-Lec
LNA
VVHA-Fucin
CNBL
LBL
#14 Sialyl Lewis X (Calbio)
Sialyl Lewis X (BD)
BSL (Calbio)
SSA
MAA
PVL
PorA
CSA(EY Lab)
HHA(EY Lab)
CWL
#15 Sialyl Lewis X (BD)
AOL (Mahal Lab)
AAL

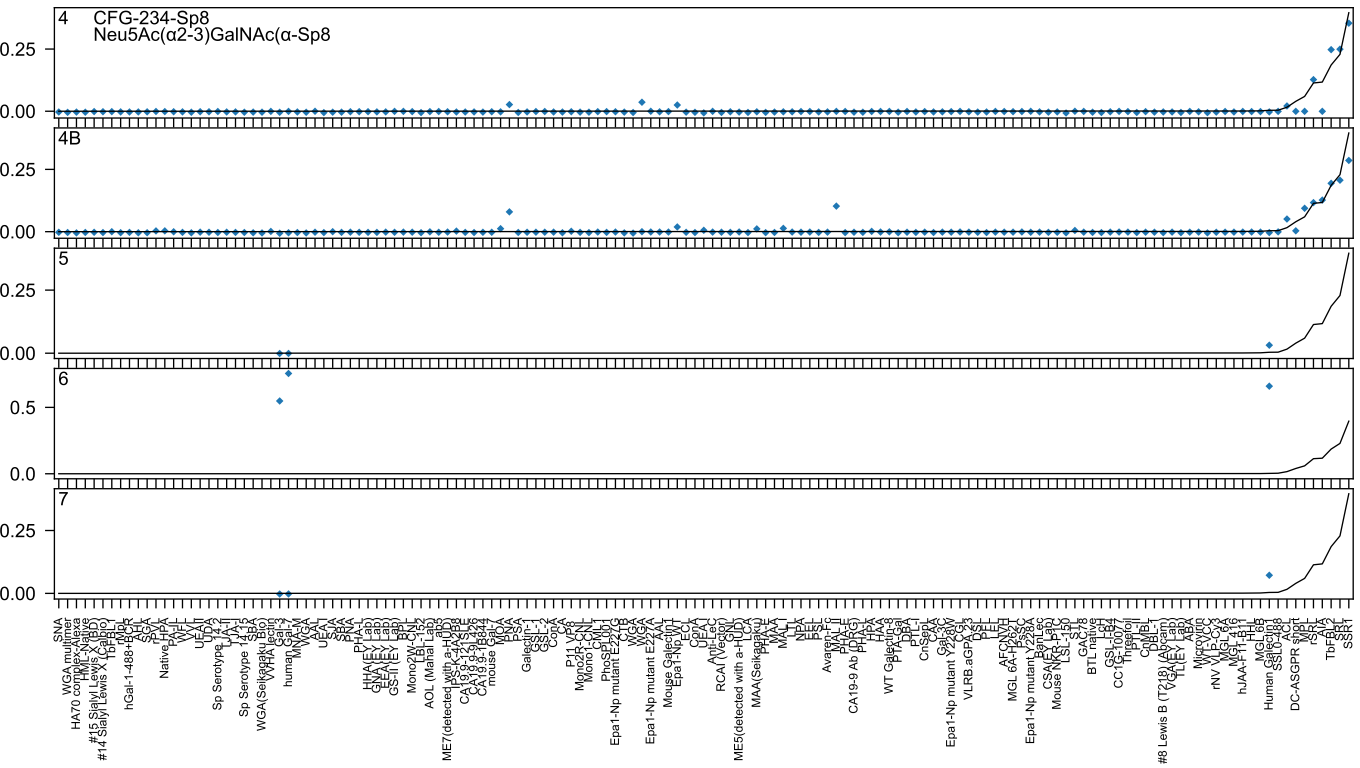

4
CFG-230-Sp0
GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)GlcNAc(β-Sp0
0.5
0.0
4B
0.25
0.00
5
0.25
0.00
6
1
0
7
0.25
0.00
SNA
HHA(EY Lab)
GS-II(EY Lab)
AOL (Mahal Lab)
IPS
Microvibrio
CA19.9-21SPE
CA19.9-19829
CA19.9-19822
mouse Gal-7
VVH
Ranicein
WGA multimer
HA70 complex
SBA
ACL
Native PHA
PHA-E
UEA-II
PHA-L
PNA
SBA
Epa1-Np mutant E227A
Epa1-Np mutant E227G
PhoSL(EY Lab)
CML1
CML2
GNA
BTL native
hGal-1-488-EC5
#14 Sialyl Lewis X (Carbio)
#8 Lewis B (T218) (Abram)
ME7(detected with b1-UD)
LSL-188
LSL-155
ME5(detected with a-1-UD)
WFA
WGA
VGA(EY Lab)
LCA
AF-NV1
hJAA-F-11-B11
GNL
MAL
VGA
WGA
WGA
Threo-B
LCA
GSL-I B4
HPA
P11 V28
PPL
Con A
GSL-I
AIA
MPL
PSL
PHAL
Mouse Galectin-1
PEA
PTA-Gal
MAL II
MAA(Seikagaku)
PHA-L
MAA
Human Galectin-1
LTL(EY Lab)
Sp Serotype 14
JTA-I
RPL
rPL
Avarem-Fc
WT Galectin-3
CA19-9 Ab (DRG)
Epa1-Np V4
Sp Serotype 1
Sp Serotype 14
RCA120
Epa1-Np mutant K227A
Mouse NV-K-2-9A
#15 Sialyl Lewis A (B2)
Human Gal-7
HML-Galectin
SRL
GCA
MGL 6A-H-2021
human Gal-7
MGL 6A-H-2021
Epa1-Np mutant E227G
GNA (EY Lab)
PVL
WGA(Seikagaku)
BSA
Mono2-Con
SSL
abs
Mono2W-Con
Mono2W-LPS
rNV V1-Con A
rNV V1-PBK1
CC1G-Gal-7
SSL0-488
Galectin-1
CSA(EY Lab)
OBPT
Mono1-Con
EEA(EY Lab)
MGL 6A
DVL
MGL 6B
DC-ASGPR sigel
MGL 6A
WFL

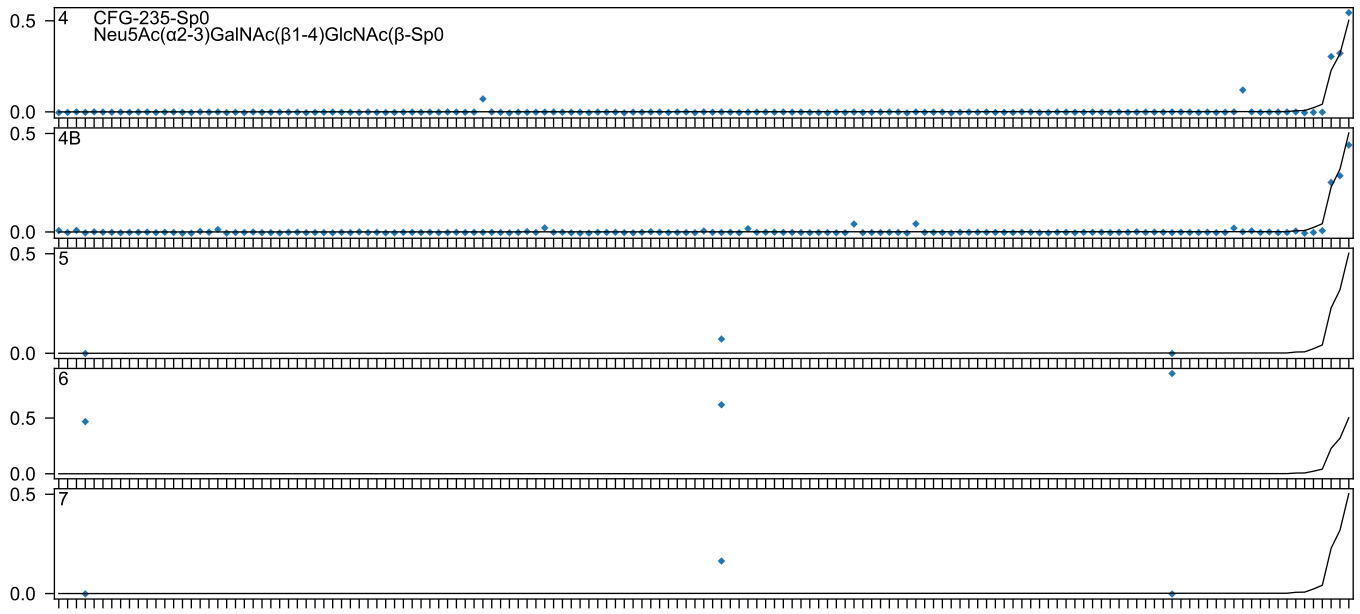

4
CFG-230-Sp8
GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
BNA
PHAL
EEA(EY Lab)
GSII (EY Lab)
RCA
BPL
AOL (Mahal Lab)
IPS (Kizuyama)
CA19.9-94128
CA19.9-1116-NS-19-9
SBA
mouse Gal-7
WGA multimer
HA70 complex-Alexa
Tn
OJD
Native SPA
WGA(Seikagaku Bio)
UEA
UEAII
TL(EY Lab)
human Gal-7
PAI
VGA(EY Lab)
Epa1-Np WT
Epa1-Np mutant (BRS/P2001)
CML1
WT Galectin-1
CA19.9 Ab (TORG)
Galectin-2
Sp Serpin-Alexa
BYD peptide
hGal-1-488-BC
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (Calbiochem)
HNA
VLRB.aGPA.23
VLRB.aGPA.33
ME7(detected with β1-HUD)
ME5(detected with α2-HUD)
WT-NOX
MNA
MNA-CM
#15 Sialyl Lewis X (BD)
hJAA-F11-811
EEL
Man
P11
NPA
NEA
UCA
GSL-CB4
OCA
Gal-IX
MAA
DSL
DSG
Mouse NKR-P1
GNL
GSL-1
ACG
ACA
PNA
Thrombal
PHA-E
AIA
PHA-L
PHA-P
ORA
PHA-E
PTA
DEA
PCA
Mouse Galectin-1
MAL
MAA(Seikagaku)
GALA
ACA
AHL
LSL
Epa1-Np mutant E227A
SAL
ABS
SNA
CAA
VGA
WGA
Sp Serpin-Alexa
Epa1-Np mutant E227G
CA19.9-1216
LCB
SBL
SRL
DBL
RCAI (Vector)
ECA
MGL 6A-H2821
PVA
SSL (L488)
Bapu-sc
Epa1-Np mutant Y0042
GNA (EY Lab)
HHA(EY Lab)
PAL
Mono2R-CNL
rNV VLP-003
UDA
AvaraMono
CloSenc
CSA(EY Lab)
Human Galectin1
SPA
Mono2W-CNL
Anti-Tn
MGL 418
Mono1-CNL
MGL-8B
MGL-DBA
SJL
DC-ASGPR siRNA
WFL

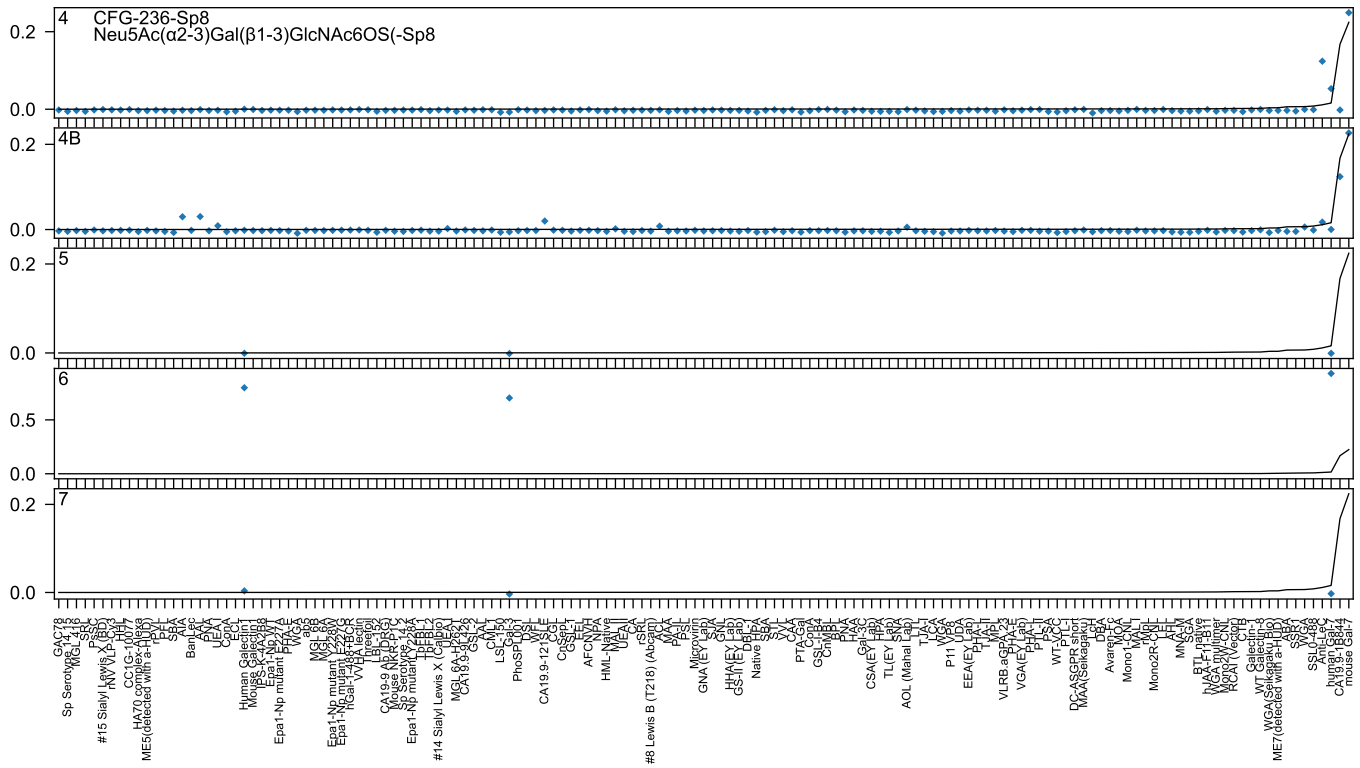

4
CFG-231-Sp0
GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
SVA
SNA
SSA
SSL
HHA(EY Lab)
GNA(EY Lab)
GSL-I(EY Lab)
ABA
PNA
Microvirin
ACA
CA19.9-12(SLE
human Gal-7
VVH-Galectin
WGA mutant
DSL
Mgl
WGA(Seikagaku Bio)
TL(EY Lab)
CA19.9-9(428
PNA
VGA(EY Lab)
MAA(M
Epa1-Np mutant F229Y
Epa1-Np mutant F229G
PhoSL-101
WT Galectin-8
Avares-Ec
Sp Serotype 14-15
Sp Serotype 14-28
VGA
#8 Lewis B (T218)
BTA native
HMA native
VLRB.aGPA.23
ME7(detected with a HuD)
LSL-155
ME5(detected with a HuD)
#14 Sialyl Lewis X (Cardio)
hJAA-F11-181
Human Galectin-1
PHA-E
PHA-L
GSL-I
P11
WGA
pE
VGA
CAA
GSL-I
Mouse Galectin-1
LHA
PTL-II
GNL
MAA(Seikagaku)
MAA
GSL-2
CTB
UEA-I
GalNAc
Thiogloc
Mouse NK
PHA-E
PHA-L
PLA2
PLA2
MAL II
PHA-L
LCA
LTL
SBA
VGA
VGA
HA70 complex-Alexa
Epa1-Np mutant E229A
Epa1-Np mutant F229Y
Tomato
CGNA
hGal-1-488+PBS
TJA-I
NPA
CA19.9-1B844
CA19.9 Ab (DBG)
EEA
AOL (Mahal Lab)
PNA
STL
Epa1-Np WT
Epa1-Np WT
Native HPA
#15 Sialyl Lewis X (Cardio)
Lewis X-488
Galectin-1
FCA
PSA
PVL
EEA
PVL
TJA-II
TcEBL2
NOVIFE-Sp-7
nNOVIFE-Sp-7
Ann-Lac
SSA-Lac
P-selectin
HPA
HPA
MGL-6A-HPA
Gal-1
CCL2
Mono2-GFP
Mono2-Control
SSA
SSL
CGA
CGA
Galectin-8
CSA(EY Lab)
MGL-1(Ab)
MGL-416
MGL-VB
DBA
DBA
DC-ASGPR
SNA
MAA
WFL

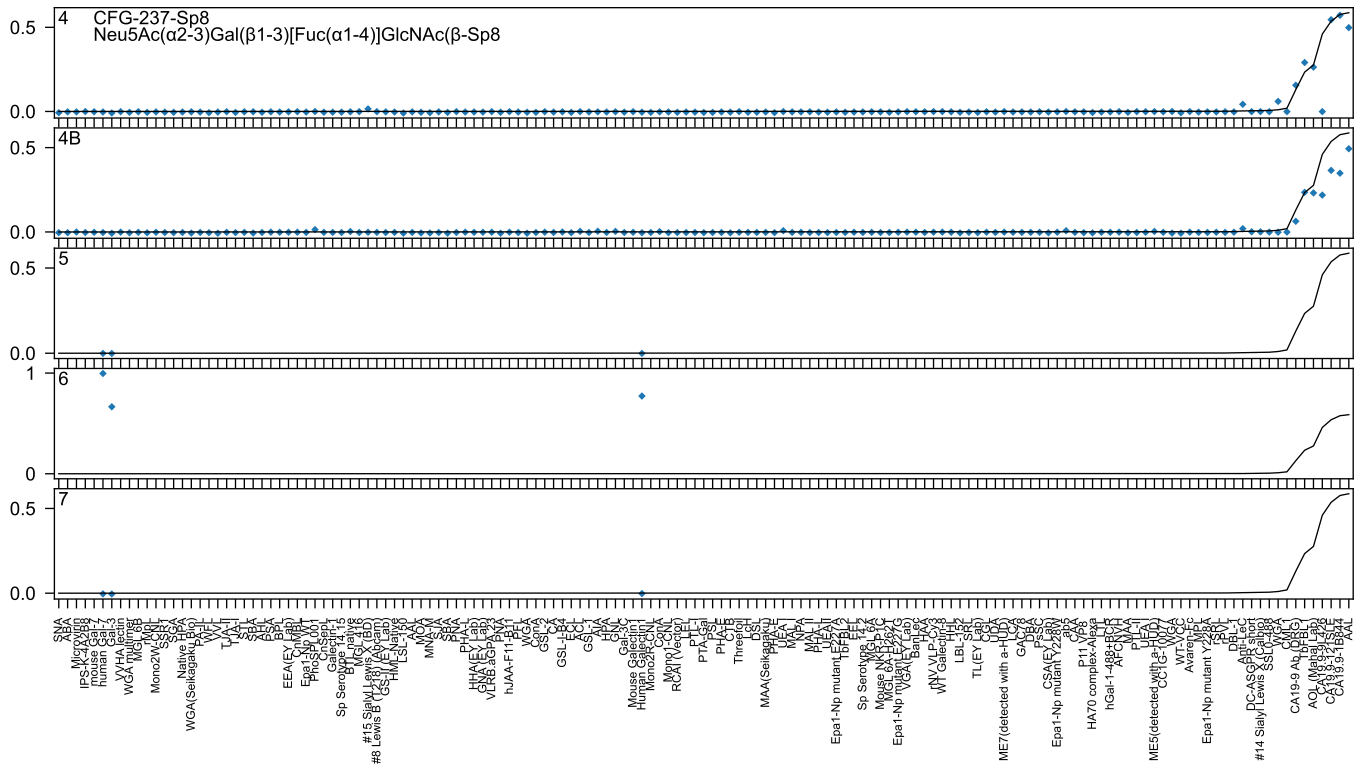

4
CFG-232-Sp0
Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.1
0.0
0.05
0.00
1
0
MAA(Seikagaku)
DX
TJA-I
TJA-II
SAT
SBA
GNA
LEA
PNA
RCA I (Vector)
PEA
PHA-E
PHA-L
PSA
PSL
PWM
WGA
CA19.9-12
PSL-F
PTL-I
VVL
PAT
CA19.9-9L428
ABA
Mono2W
CNL
GSL-I-B4
VVL(Hapten)
FRIL(EY Lab)
HHA(EY Lab)
PhA-L
MOR-6B
MOR-6G
PNA
SBA
SJA
Native SJA
WGA(Seikagaku Bio)
PHA-E
PHA-L
IPS-K14288
rNV VP-CX
rNV VP-CX
ACONW
Mono2
VAL-I
UEA
ECA
GNL
GC8
DC-ASGPR 3boot
Epa1-Np mutant Y228W
CA19.9-9L40 (DRG)
Mouse Galectin1
C007A
PhoSPOX
MET
MET(detected with a-HUD)
MOA
MES(detected with a-HUD)
GSL-I-B4
CSA(EY Lab)
HPA
HPA
DSA
EEL
EEL
GSL-I
Anti-HIC
Epa1-Np mutant Y228W
TL(EY Lab)
HMA
Native
MOR
SSA
hJAX-F1-B11
GSL-I
#14 Sialyl Lewis X (Trehelon)
CA19.9-1B844
SG Serotype 14,15
MGL 6A-H2821
#8 Lewis B (1-2-218) (Abcam)
MGL 4-H
Epa1 Bam
Bam
MicroSIRI
CCTG-10077
Epa1-Np mutant Y228A
Mono1-2OM
Epa1-Np mutant Y228L
Gal-3C
VGN(EY Lab)
Mouse Galectin-7
AOL (Mahal Lab)
LBL-182
PTL-I
HA70 complex
TbPBP2
ACA
human Gal-7
CNL
#15 Sialyl Lewis X
Avarol
TEC
WGA multimer
SGA
LGL
VLRB.aGPC
MGL
LEL
hGal-1-488+BGCR
LTL
Galectin-1
AOL
P11
GPI
GNA (EY Lab)
BTL (NPV)
WT-SSL
AOX
CONA
WT Galectin-8
SSL(Cyno)
mouse Gal-7
Human Galectin1
psSC

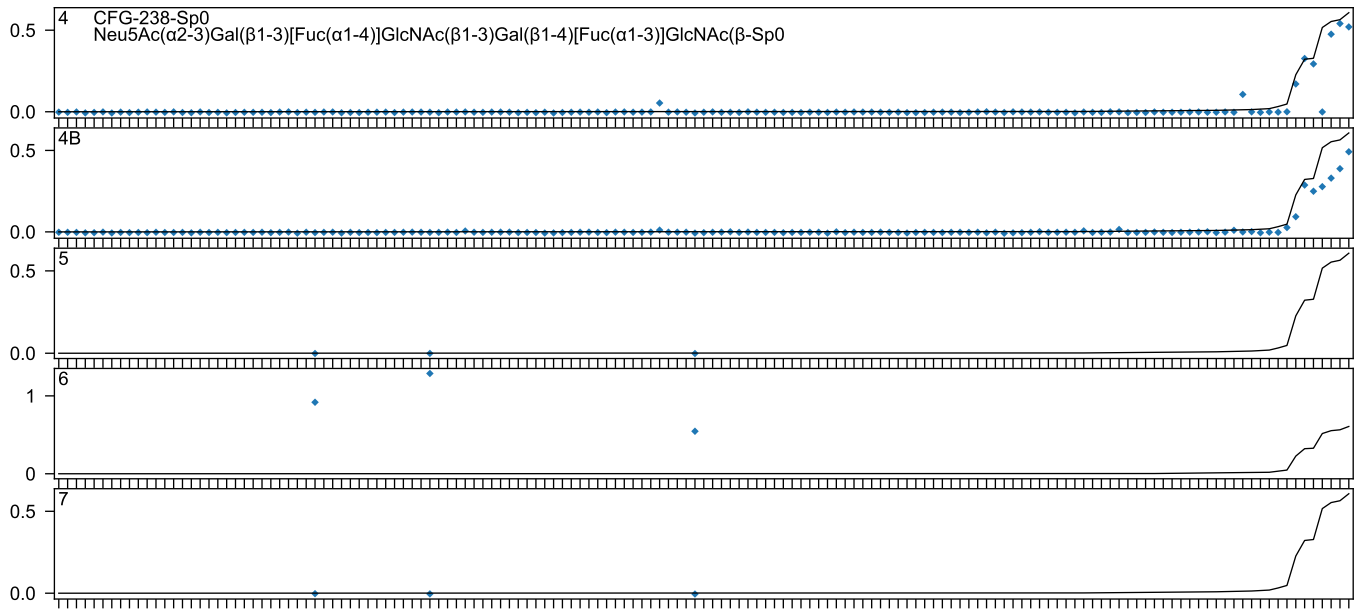

4
CFG-233-Sp8
Neu5Ac(α2-6)[Neu5Ac(α2-3)]GalNAc(α-Sp8
0.05
0.00
4B
0.05
0.00
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
SNA
Lch
AOL (Mahal Lab)
ABA
JFK-44-1
CA19-9-1498
human Gal-7
mouse Gal-7
Gal-3
Bauhinia
VVH
WGA multimer
WGA multimer
HA70 complex-Alexa
SSA
SSA1
SGA
Native-PA
TKA
WFL
UDA
TL(EY Lab)
LTA-1
LTA-1
ABA
GNL
GS-II (EY Lab)
EEA(EY Lab)
Epa1-Np WT
Epa1-Np mutant E226A
Epa1-Np mutant E226A
Bpos-PLD01
CA19-9-1
CA19-9
Galectin-1
rSRL
BTL native
#14 Sialyl Lewis X (Calbiochem)
rNV
TBL-1-63
TBL-1-150
WT WGA
MOA
VGA(EY Lab)
SBA
SBA
PHA-L
PHA-L
GNA (EY Lab)
#8 Lewis B (T218) (Acosta Lab)
SBA
MGL 6A-H2021
DBA
LAA
DBA
DSL
GNL
GNL
GSL-I
GSL-I
CBA
CBA
Mono2R-CNL
CSA(EY Lab)
Mono2W-CSL
Gal-3C
CTB
WFA
AAL
AAL
Mouse Galectin-1
Human Galectin-1
ECA
UEA1
Anti-A
AIA
GSL-I-B4
DGA
MAA(Seikagaku)
MAL II
PHA-E
MAA
MAL
PTL
MAL-I
PHA-E
PHA-L
Epa1-Np mutant Y226Q
Epa1-Np mutant Y226Q
FSA
CA19.9-1498
CA19.9-1498
Sp Serotype 14-15
CA19.9-1
DTFB-1
Sp Serotype 14-2
Mgx WT
Epa1-Np mutant Y226Q
AF-CNX-H
UEA1
Three(lot 1)
CGA
MGL 416
WT Galectin-3
UEAII
HML-Galectin
VLRB.aGPA-23
Mono2W-CSL
Mouse NKR-P1C
STA
SSL
hGal-1-488+BCR
CC1G
CC1G-Thy0.7
#13 Sialyl Lewis X (BD)
WGA(EY Lab)
PHA(EY Lab)
MGL-1B
MGL-6A
Gal-1-HUD
PTA(Gal)
PTA(Gal)
ME5(detected with a-Tn)
ME7(detected with a-Tn)
NDA
ACL
RCAI (Vector)
PWM
hJAA-F11
TKB-1
TKB-1
PNA
PWM
DC-ASGPR short

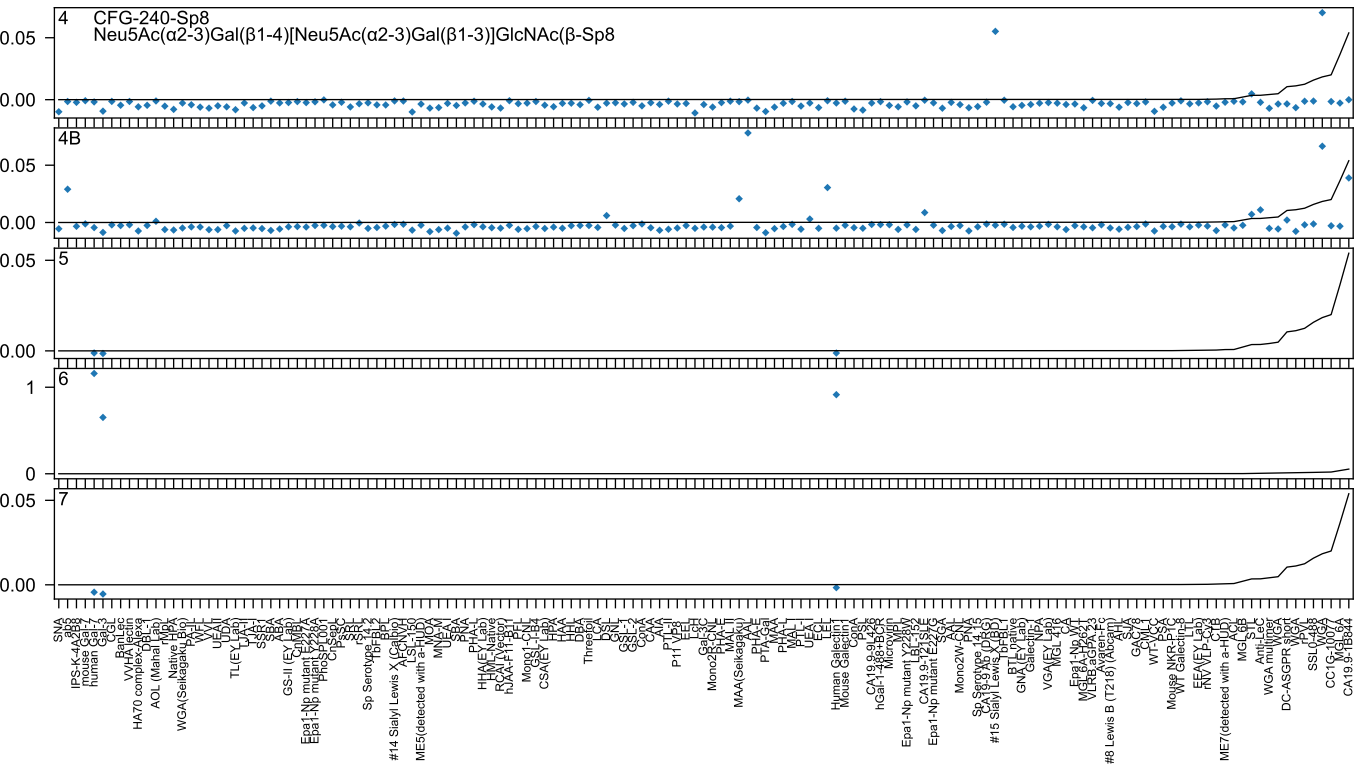

4
CFG-234-Sp8
Neu5Ac(α2-3)GalNAc(α-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
Jacalin
WGA multivalent
HA70 complex-Alexa
WGA
#15 Sialyl Lewis X (BDS)
#14 Sialyl Lewis X (Calbio)
hGal-1-488+BME
ACA
SGA
Native PNA
PAA
WL
UEA
UEA-I
Sp Serotype 14-2
UEA-I
Sp Serotype 14-15
WGA(Seikagaku Biochem)
VVHA (Calbio)
human Gal-7
MVCA
EAL
UEA
SBA
PHA-L
HHA (EY Lab)
GNA (EY Lab)
EEA (EY Lab)
GS-II (EY Lab)
Mono2N-CNL
Mono2N-CNL
AOL (Marfat Lab)
ME7(detected with a-HUD)
ASK-4-258
CA19-9-121-SDS
CA19-9-18844
mouse galectin-1
PNA
Galectin-1
GSL-I
Con A
P11 vcPA
Mono2N-CNL
Mono CNL
PhoSL (EY Lab)
Epa1-Np mutant E227A
CTB
WGA
Epa1-Np mutant E227A
Mouse Galectin1
Epa1-Np-WT
Con A
Anti-LEAC
RCA (Vector)
ME5(detected with a-HUD)
LCA
MAA(Seikagaku Biochem)
PHA-E
MAA
HL
NEA
PSL
Average-LT
PHA-E
CA19-9 Ab
PHA-L
HPA
WT Galectin-8
PTA
DBA
PTL-I
Cnoc-A
Epa1-Np mutant Y229A
Con A
CGL
VLRB aGPA-23
PEL
PEE
AFCNUH
MGL 6A-Hp2521
Epa1-Np mutant Y229A
BanLec
CSA(EY Lab)
Mouse NKR-P1C
LSL-S15
GAC78
BTL mutant
GSL-I-B4
CC-Galectin-7
Thrombo
CnMbl
DBL-1
#8 Lewis B (T218) (EY Lab)
HLEY Lab
Microvirin
rNV
WF-CCX
WGL-8A
hJAA-F11-B19
HHL
MGL
Human Galectin1
SSL-488
DC-ASGPR sugt
rSP-D
rSP
AIA
Tbr
SBK
sSSR1

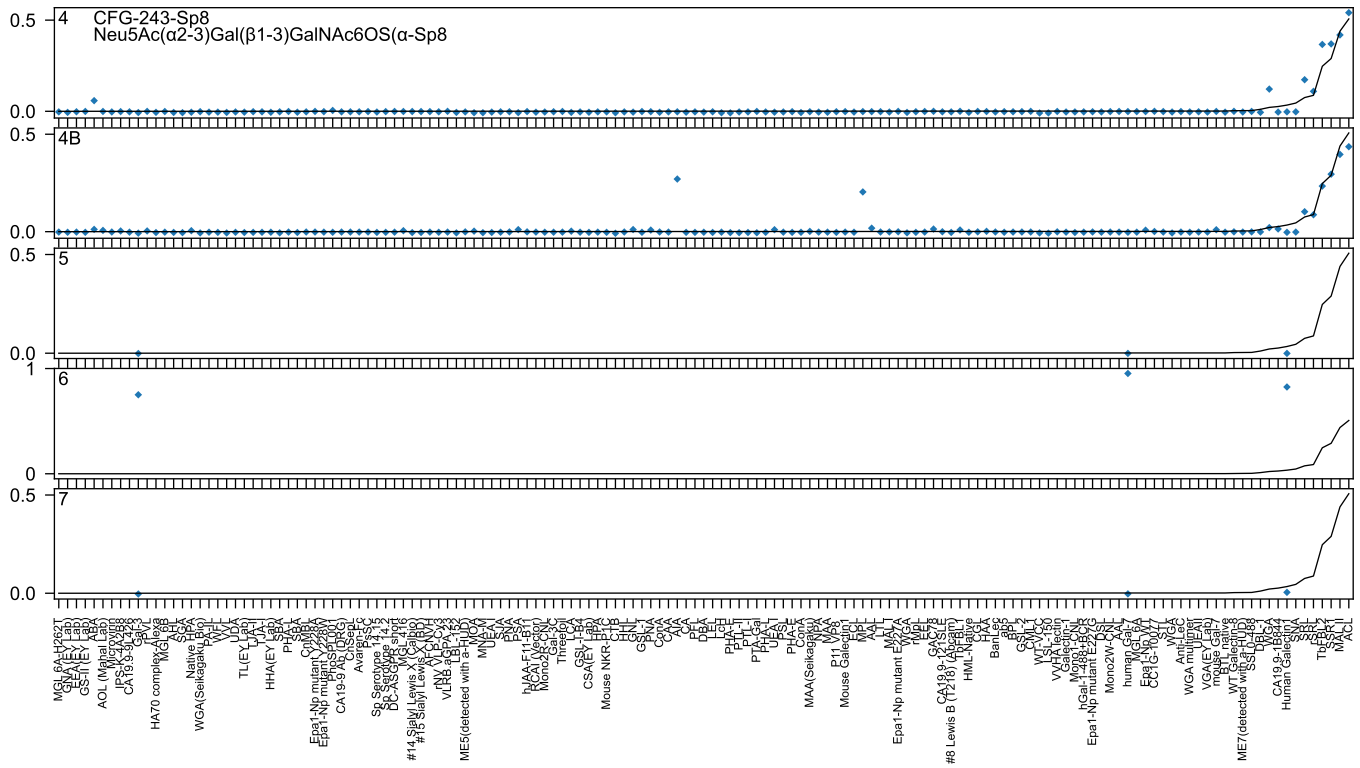

4
CFG-235-Sp0
Neu5Ac(α2-3)GalNAc(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SMA
CA19.9-18
mouse Gal-7
VVHA Lectin
PVL
HA70 complex-Alexa
Galectin-1
MGL6A
CCG-10077
CA19.9-16
PBLT
SSA
Cnsepl
WFL
TL(EY Lab)
VJA
WT Galectin-9
IPS-K-4A288
Mono2W-CNL
#15 Sialyl Lewis X (BD)
VLRB-aGAC-78
Sp Serotype 14-23
ME7(detected with a-HUD)
LSL-150
ME5(detected with a-HUD)
WT-XCC
MWCA
VGA(EY Lab)
UEA
SBA
SGA
PHAL
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
SBA
PSA
VSA
RCAI (Vector)
PNA
GSL-2
ZAA
PA
Epa1-Np mutant E222A
PA
P11
VFB
Mono2B-CNL
Epa1-Np mutant E222A
AIA
GSL
Epa1-Np WT
GalCB
WGA
CNA
MPA
ANL
Mouse Galectin-1
Human Galectin-1
ECA
UEA1
Amaranthin
Thrombin
QBA
EHL
PTL-I
PTL-II
PHAE
PHAL
MAL II
MAAA(Seikagaku)
PHAE
MAA
NPA
PhoSPL001
MAL I
MGL-14
CSA(EY Lab)
HPA
LCA
PsaSC
CVNH
Epa1-Np mutant Y228A
CA19.9 Monoclonal
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y228A
SNL
BTL (EY Lab)
MGL6A
MGL-14
CA19.9-BM126
CA19.9-BM126
EEA(EY Lab)
Sp Serotype 14-13
abs
Sp Serotype 14-13
hGal-1-488+BCR
MGL 6A-H2B7
hGal-1-488+BCR
#14 Sialyl Lewis X (Calbiochem)
AOL (Mahal Lab)
human Gal-7
Avarep-FC
Mouse NKR-TFPX
Mouse NKR-TFPX
GSL-1
WGA(Sigma)
DC-ASGPR-Fc
WGA
CGA
CDA
hJAA-F11
TP-B12
SSL-488
SSL-1
DNV
VIA-Cal
WGA multimer
WGA multimer
SSL
LEL

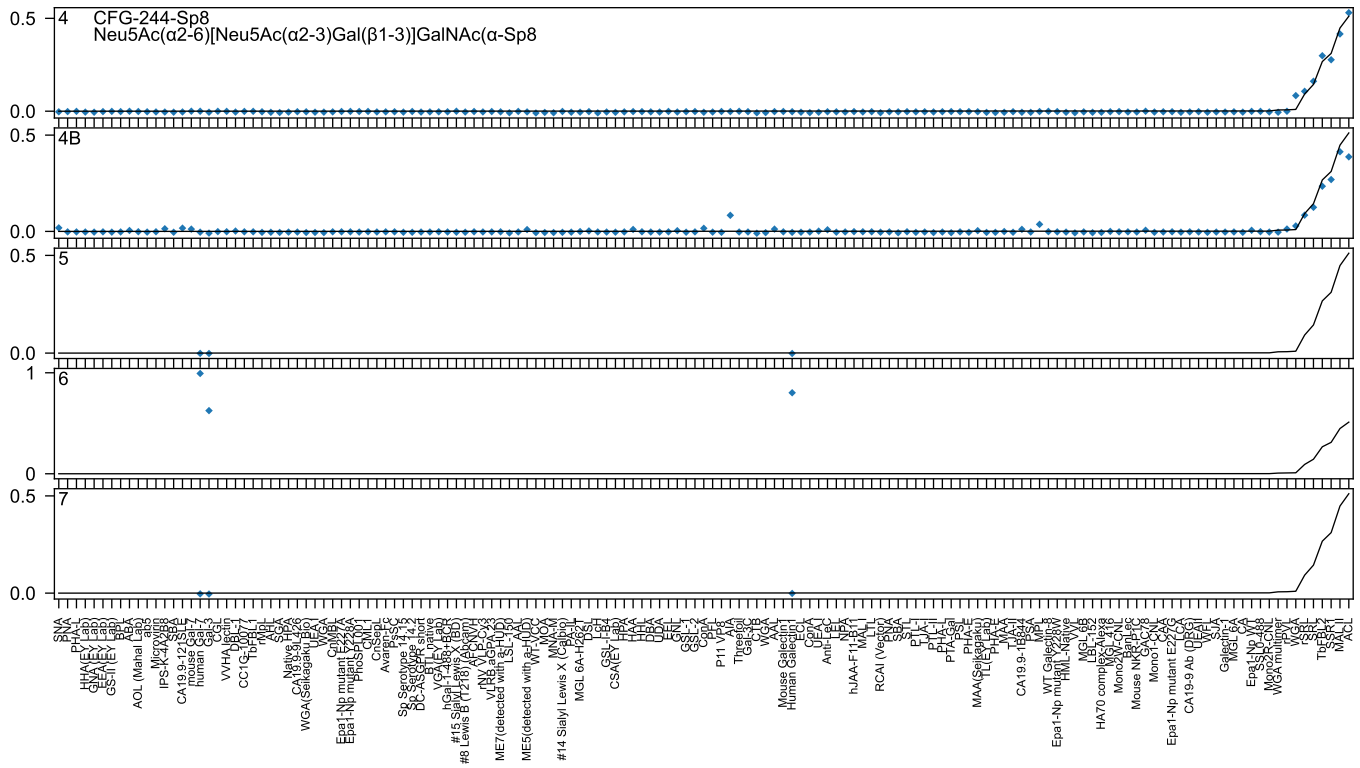

4
CFG-236-Sp8
Neu5Ac(α2-3)Gal(β1-3)GlcNAc6OS(-Sp8
4B
5
6
7
0.2
0.5
0.0
GAC18
Sp Serotype 8
MGL-418
SSC
#15 Sialyl Lewis X (BD)
PSSC
nV6.2 (LP)
H94
HA70 control
CCIG-1/0078
MES(detected with a-H100)
PPL
SBA
Bandeiraea
AAL
EAC
UEA1
CPA
PNA
Human Galectin1
Mouse Galectin9
PSS-Fc2/298
Epa1-Np 71
Epa1-Np mutant P71A-E
VVA
ABA
MGL-88
MGL-98
Epa1-Np mutant V92A
Epa1-Np mutant E22-G
rhGal-1 VVLA lectin
Treg(p)
Treg(n)
CA19-9 AB (DBG)
Mouse Nrce 1-K
Mouse Nrce 1-L
Epa1-Np mutant K228A
Epa1-Np mutant Y229A
TDFBL2
TDFBL1
#14 Sialyl Lewis X (Calbio)
MGL-6A-H2621
CA19.9-9A-H28
CAA
CVN
LSC-1(b)
PhoSPL
Gal-3
DSL
WFE
CA19.9-12-H
CGE
CGSP1
EEL
AFCN
CNPA
HML-Native
UEA1
rSP
#8 Lewis B (T218) (Abcam)
KVX
PAL
PAS
Microvirin
GNA (EY Lab)
GNL
HHA(EY Lab)
GSL-I B4
DBL
Native SBA
SVI
CAA
PTA-Gal
GSL-I B4
CholB
PNA
Gal-3C
CSA(EY Lab)
TL(EY Lab)
AOL (Mahal Lab)
TJA-I
TJA-II
TCA
WGA
P11
UDA
EEA(EY Lab)
TAA-I
TAA-II
VLRB.aGPA
VGA(EY Lab)
PHA-E
PHA-L
PSA
WT-XCC
PC
DC-ASGPR shRT
MAA(Seikagaku)
DSA
Avarrin-F
Mono1-CNL
MAL1
Mono2R-CNL
AIL
MNA-M
BTL (native)
BTL (mutant)
NGA-F1-B1
Mono2W-CNL
RCA1(Vector)
WT Galectin-1
WGA(Seikagaku)
ME7(detected with a-H100)
SSR1
SSLO-468
AmLeC
CA19.9-1-8844
mouse Gal-7

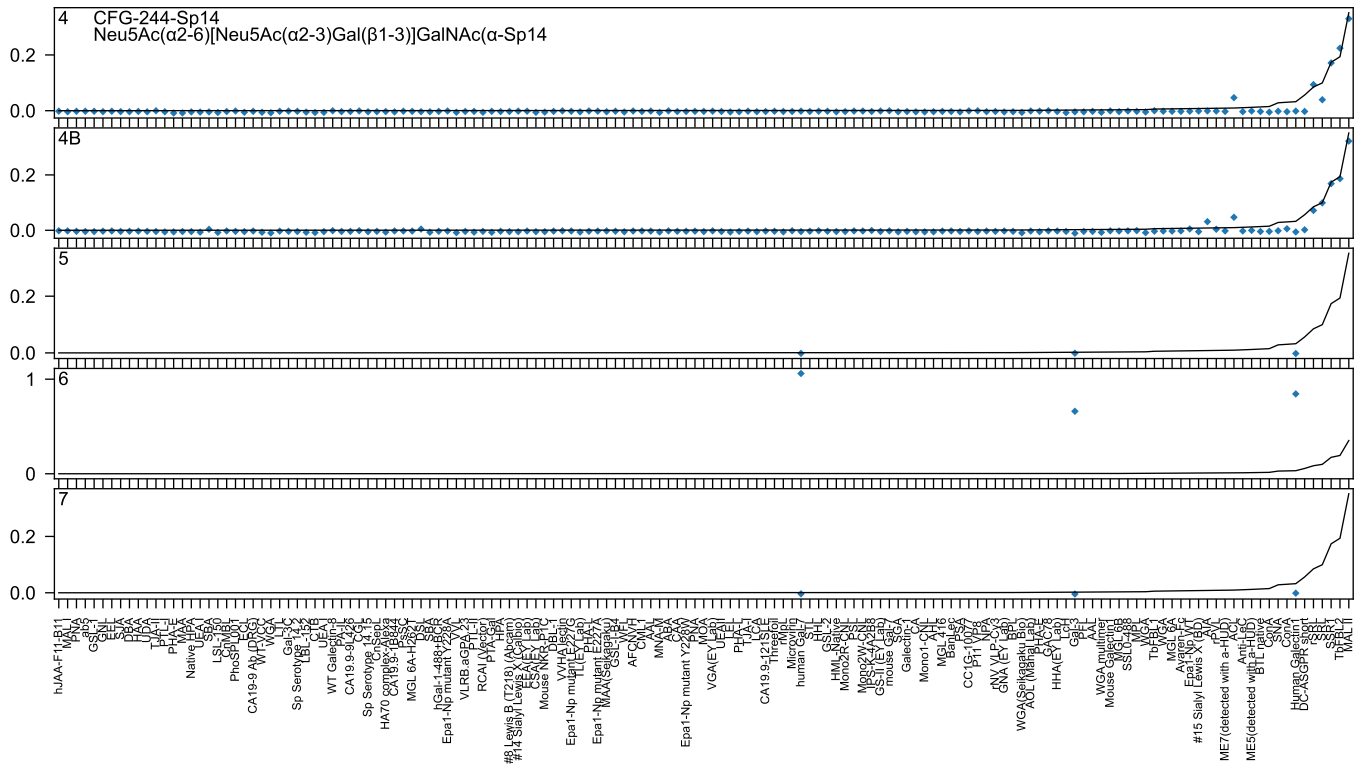

4
CFG-237-Sp8
Neu5Ac(α2-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
IPS-Microvirin
mouse Gal-2
human Gal-7
VVHA-pectin
WGA
Mono2W
Native SSA
WGA(Seikagaku,Bio)
PAA
VVL
TJA-II
SJA
ABA
BPA
BSA
EEA(EY Lab)
Epa1-Np
PhoSH-001
Galectin-1
Sp Serotype 14
Mcl-2Wild
#15 Sialyl Lewis X (BD)
#8 Lewis B (EY Lab)
GS-II (EY Lab)
HMA
LSL
AAL
MNA-O
SNA
SSA
PRA
PTA
HHA(EY Lab)
GNA (EY Lab)
VLRB.aGP
PNA
hJAA-F11-B11
WGA
GSII-2
CA
GSL-I B4
SBA
ACL
GNL
UEA
HPA
Gal-3C
Mouse Galectin1
Human Galectin1
Mono2R-CIN
Mgnt1-CON
RCA (Vector)
PTL-I
PTA-Gal
PHA-E
PHA-L
Threonin
ISH
MAA(Seikagaku)
PNA-T
MAL
MAL-h
PHA-L
Epa1-Np mutant E227A
TcfBL2
TcfBL2
Sp Serotype 14
Mouse NMP-DA
MGL 6A-E260T
Epa1-Np mutant Y228A
VGA(EY Lab)
Banlec
rNV VLP-Cy3
WT Galectin-8
LBL-162
Snt
TL(EY Lab)
CGL
ME7(detected with a-HUD)
GALA
DBA
GNA
PSA
CSA(EY Lab)
Epa1-Np mutant Y228W
BAX
P11-VP8
HA70 complex-A-Hep3
hGal-1-488-ROR
APC
MVA
PTA
PTA-I
ME5(detected with a-HUD)
CCTG-WGA
WT-VGC
Avidin
MPL
Epa1-Np mutant Y228A
PV
DBL
DC-ASGPR short
#14 Sialyl Lewis SSL-188
CA19-9 Ab (DSG)
CA19-9 Ab (Mab Tech)
AOL (Mab Tech)
CA19-9 1-428
CA19-9 1-1044
AAL

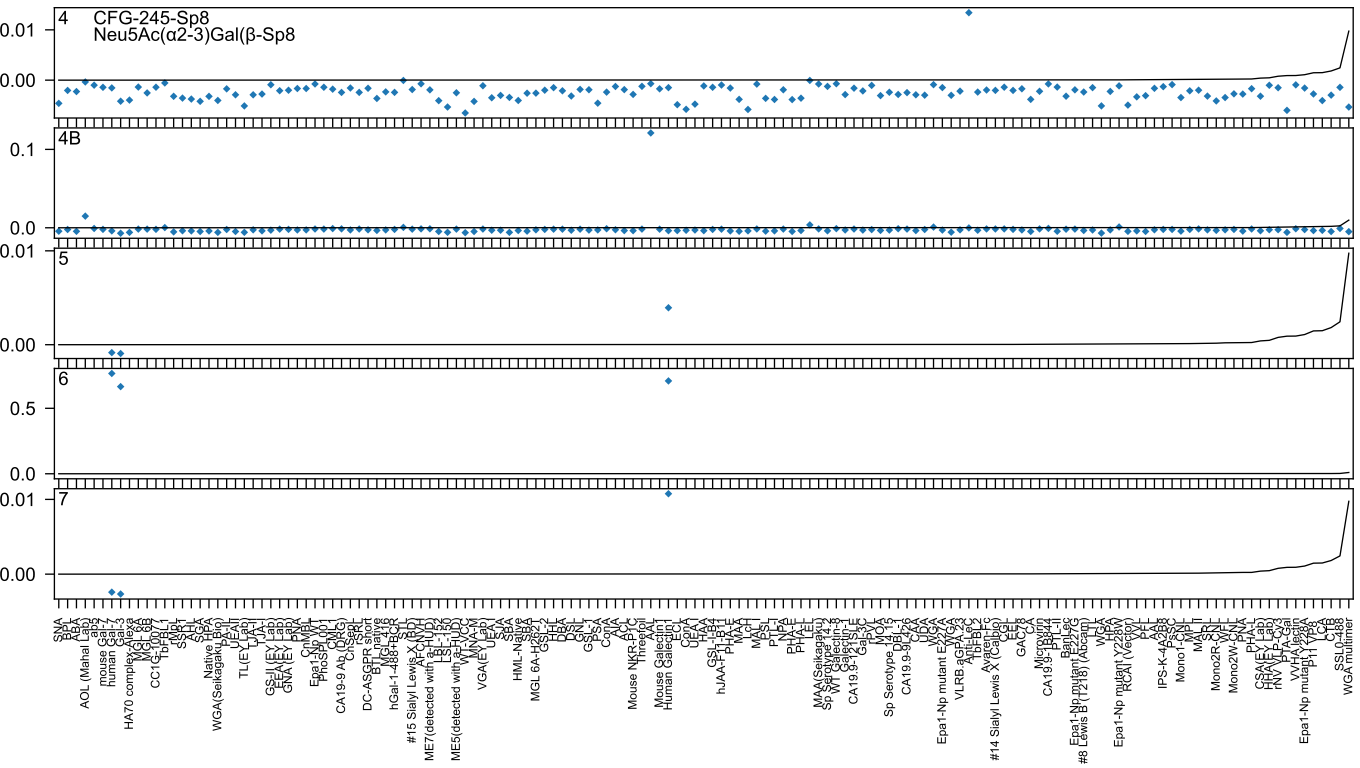

4
CFG-238-Sp0
Neu5Ac(α2-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
GSL-1-B4
LEA
HAA
MPA
CSA(EY Lab)
ACONA
WFA
MAL I
MAA(Seikagaku)
MAL II
hGal-1-488
PNA
PTL-I
RCA(Vector)
HA70 complex-Alexa
TL(EY Lab)
UDA
PWM
PAA
HML-Native
EEL
UEA-I
MOR
PhoSL(EY)
Mono2W-VGA
Human Galectin1
Thrombo
SBA
CnsEC
SBA
GS-II (EY Lab)
ABA
SJA
Mono2R (EY Lab)
VGA(EY Lab)
human Gal-4
human Gal-9
VLRB.aGP1
PHA-L
abo
Pa-Sera
Sp Serotype 14-15
CCTG-GSU-2
CGN
PNA
GSL-1
SBA
LSL-150
Epa1-Np mutant E257A
EEA(EY Lab)
MGL 1-16
PTA-Gal
#8 Lewis B (T218) (Abcam)
GAL8
VVHA(recm)
#15 Sialyl Lewis X (2B1)
Epa1-Np mutant Y226A
hJAA-F11-811
Epa1-Np mutant Gal-3
Mono1-Gal-N
mouse-Galectin-7
PHA-E
Galectin-1
WT Galectin-8
Epa1-Np mutant Y226A
Sp Serotype 142
Gal-3C
Gal-1C
LTA
HPA
PSA
MEL
Con A
IPS-K-4/A288
SJA
Native EPA
Mouse NKR
MOX
MGL 6A-H2621
PHA-E
PHA-L
MGL 2-8
Epa1-Np WT
Mouse Galectin-1
WGA
Barley-E
WGA(Seikagaku Bio)
rPVL
BTN Native
NPA
MicroSNA
Amb-LEC
GNA (EY Lab)
#14 Sialyl Lewis X (CSLEX)
Tbf
BLF
SSL0-488
NPL
ISR
DSL-1
CCL1
HHA(EY Lab)
VGA(EY Lab)
MET7(detected with a-HUD)
VGA
MET5(detected with a-HUD)
Avarer-FC
DC-ASGPR short
CA19-9 Ab (DBG)
AOL (Mab Tech)
CA19-9-4-426
CA19-9-1-426
CA19.9-1-PSLE
AAL

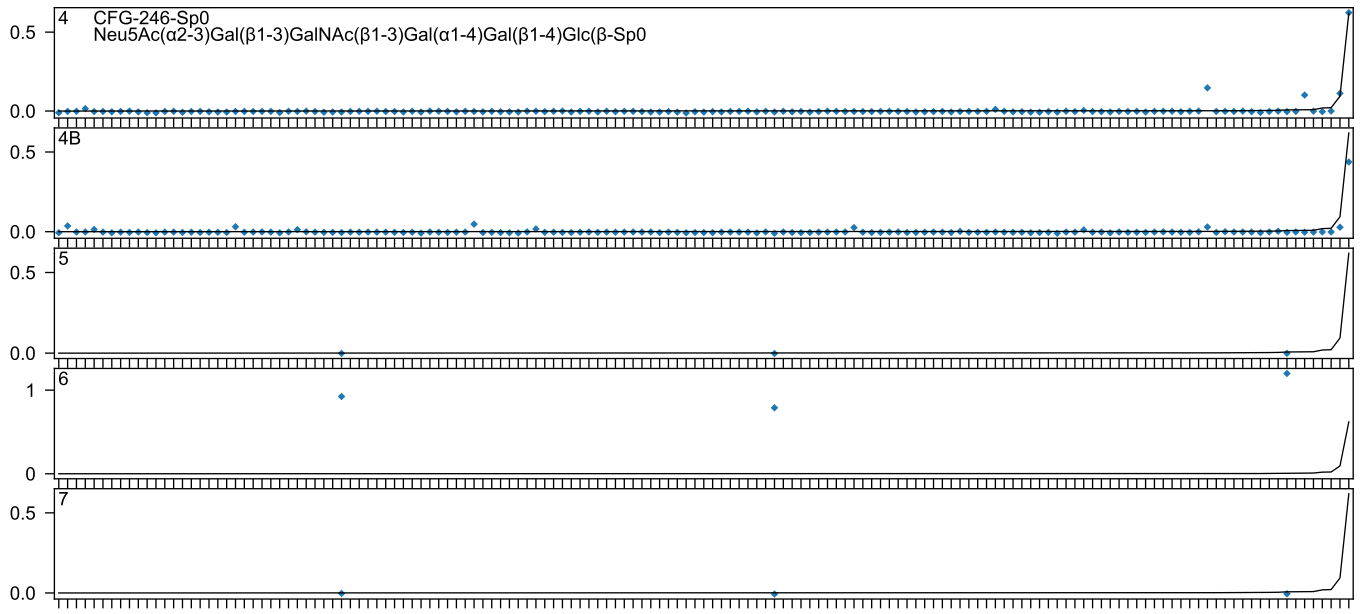

4
CFG-240-Sp8
Neu5Ac(α2-3)Gal(β1-4)[Neu5Ac(α2-3)Gal(β1-3)]GlcNAc(β-Sp8
0.05
0.00
4B
0.05
0.00
5
0.05
0.00
6
1
0
7
0.05
0.00
SNA
SNA
IPS-K-4A
ABB
human Gal-7
Gal-3
BanLec
VVA
HA70 complex
DBL-1
AOL (Manal Lab)
Native HPA
WGA(Seikagaku)
PNA
WFL
UEA-II
UDA
TL(EY Lab)
LCA
LTA
SSA1
SBA
NPA
GS-II (EY Lab)
Epa1-Np mutant Y228V
Epa1-Np mutant Y228A
Epa1-Np mutant E232K
PHA-E
CSA
PsaSC
rSRL
Sp Serotype 14
rSRL-L2
Tn
BPL
#14 Sialyl Lewis X (Calbiochem)
LSL-150
ME5(detected with a-HUD)
MOA
MNA-M
UEA-I
SBA
PNA
HHA(EY Lab)
RCA(Native)
hJAA-P11-B11
Mog01-CNL
GSL-I-B4
CSA(EY Lab)
HPA
HHA
DBA
Threo-A
DSL
GSL-1
GSL-2
CAA
CAA
PTL-II
P11
VEA
ECA
Galectin-1
Mono2W-CNL
PTA-E
MAA(Seikagaku)
MAL-I
AAL
PTA-Gal
PNA
MAA
PAL
MAL-I
UEA-I
ECL
Human Galectin-1
Mouse Galectin-1
PSA
CA19.9 mAb
hGal-1-Fc
Microvigin
Epa1-Np mutant Y228V
CA19.9 mAb
Epa1-Np mutant E232K
Mono2W-CNL
Sp Serotype 14
CA19.9 Ab (DRG)
#15 Sialyl Lewis b (HBD)
RTL-native
GNA(Vector Laboratories)
VGA(EY Lab)
MGL-478
Epa1-Np WT
VLRB-AD621
VLRB-AD621
Aegrin-Fc
#8 Lewis B (T218) (Abcam)
SVA
CAA
GNA
WT-SCK
Mouse NKR-P1C
WT Galectin-8
EEA(EY Lab)
RNA VLP-Cy3
ME7(detected with a-HUD)
MGL
CGB
SJL
Anti-Lewis Y
WGA multimer
DC-ASGPR
WGA
WGA
SSL-1
SSL-1-488
CC1C-1
WGA
CA19.9-1B844

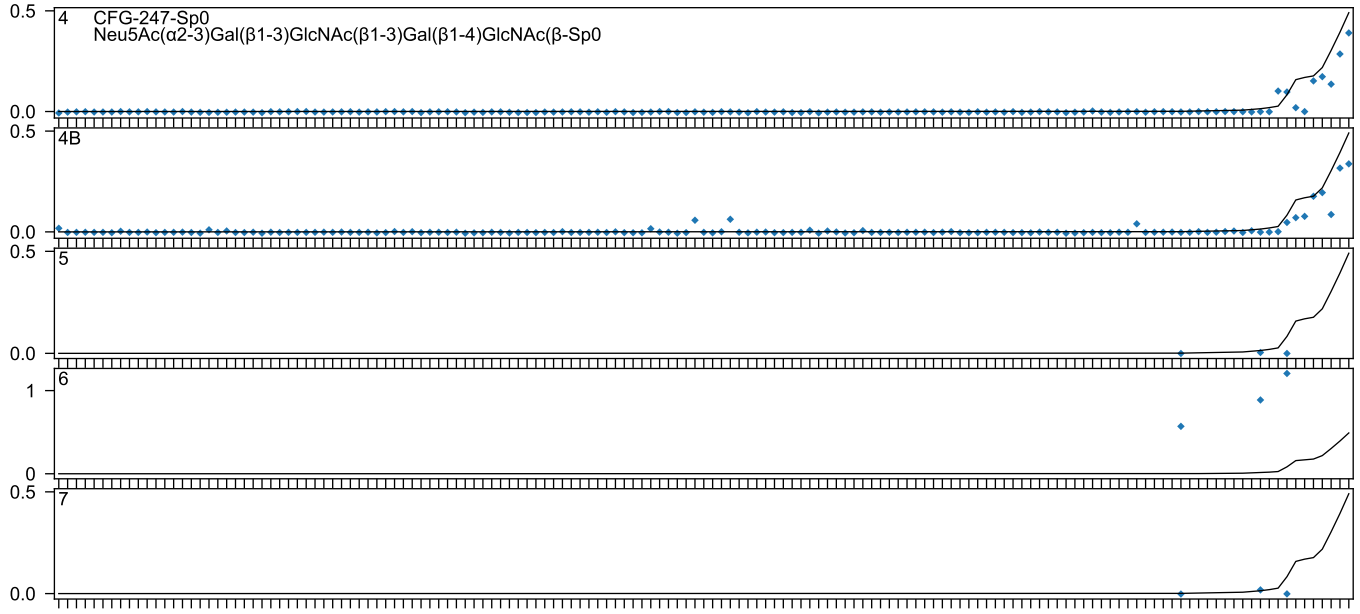

4
CFG-243-Sp8
Neu5Ac(α2-3)Gal(β1-3)GalNAc6OS(α-Sp8
4B
5
6
7
0.5
0.0
1
0
MGL6A(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
GS-II(EY Lab)
ABA
AOL (Mamal Lab)
LPS-K12288
CA19-9-Sp8
BPL
BVL
HA70 complex
WGA(Seikagaku Bio)
AGL
ACL
Native HPA
WGA(Seikagaku Bio)
WFL
UEA
UDA
TL(EY Lab)
LJA-I
LJA-II
HHA(EY Lab)
PHA-L
PHA-E
SBA
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np mutant S230T
CA19-9 Ab (DRG)
Avarigen-Fc
Sp Serotype 14-2
Sp Serotype 14-2
DC-ASGPR (R&D)
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (CARB)
VLRA VLR-C33
VLRB VLR-B52
ME5(detected with a-NUDT)
MNA-M
UEA
PNA
PNA
hIAA-F11-B11
RCA(Vector)
Monoclonal Gal-3c
Threeply
GSL1-B4
CSA(EY Lab)
LPA
Mouse NKR-P1G
LHL
GNL
GNA
CVN
AIA
PFL
DBA
LCA
LEL
PHA-T
PTL-I
PTL-II
PNA-Gal
UEA-I
PHA-E
Con A
MAA(Seikagaku)
KPA
PWA
P11
Mouse Galectin1
MPL
AOL
MAL1
Epa1-Np mutant E227A
RCA
NPL
GAL7
#8 Lewis B (Y2189)
CA19-9 (Calbiochem)
Thrombin
HML-Neuge
HAA
Barnase
BP
GOLT1
WSL-150
VVA(Hacetin)
Galectin
Mouse Galectin
hGal-1-488-BGR
Epa1-Np mutant E227A
OSA
Mono2W-CNL
human Gal-7
Epa1-Np
CCTG-10077
VGA
WGA
Anti-LeC
WGA mutant
VGA(EY Lab)
PNA(EY Lab)
BTL native
WTA Gal8(UD)
ME7(detected with a-NUDT)
SSL2-188
DSA
CA19-9-1B844
Human Galectin
SNA
SBL
ThBD-7
MAL1
ACL

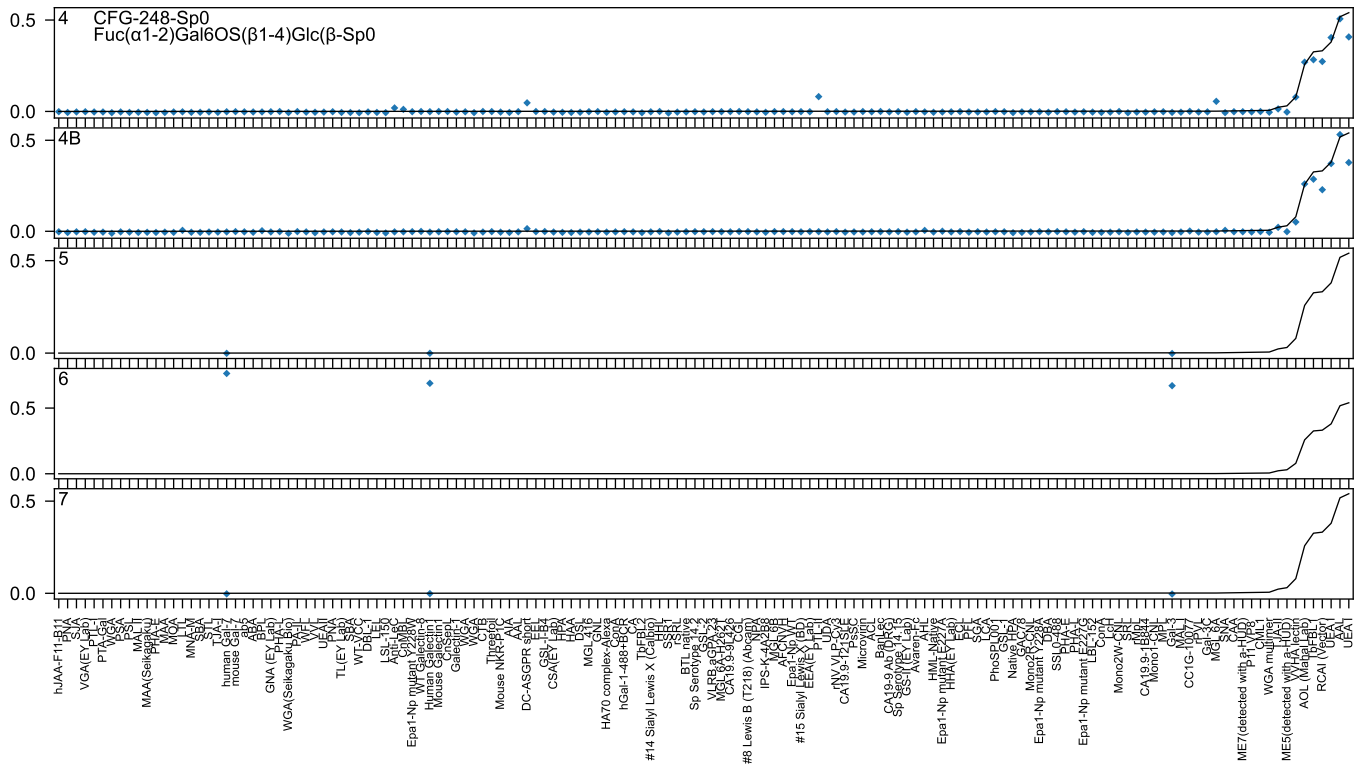

4
CFG-244-Sp8
Neu5Ac(α2-6)[Neu5Ac(α2-3)Gal(β1-3)]GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
P-AL
HHA(EY Lab)
GNA(EY Lab)
GSII (EY Lab)
BPL
LEA
AOL (Mahal Lab)
aOS
IPS
MOR
CA19.9 (22)
SBA
mouse Gal-7
human Gal-7
CGL
VVH
CC1G-10077
Tbp
PNA
ABL
Native HPA
CA19.9 (14)
WGA(Seikagaku)
UEA
CrVIA
CrVIB
Epa1-Np mutant E227A
Epa1-Np mutant E227G
PhoSPTPRD
CMLL
Cnanga-Fc
Avarigo-Fc
Sp Serotype 14-3
Sp Serotype 14-2
Sp Serotype 14-1
DC-ASGPR
BTL native
hGal-7 (Lab)
VGALEC (Lab)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-218) (Abcam)
VIM
RNA VP-Cx3
ME7(detected with a-HUD)
LSL-180
ME5(detected with a-HUD)
WT-MOCK
MNA-M
#14 Sialyl Lewis X (Calbiochem)
MGL 6A-H2621
LCH
GSV-I-B4
CSA(EY Lab)
HPA
LTA
HAA
DBA
DBA
UEA
GNL
GSL-2
CrPA
CrPA
P11 VP8
Thrombin
Galectin-9
VCA
VCA
AAL
Mouse Galectin-1
Human Galectin-1
ECA
UEA1
Anti-LEC
NPA
hJAA-F11
MAL1
RCAI (Vector)
PNA
SBA
STL
PTL-I
PHA-L
PHA-E
PHA-L
PSL
MAA(Seikagaku)
PL(EY Lab)
PNA
MAA
CA19.9 - 1A-1
PSA
MP
WT Galectin-3
Epa1-Np mutant Y228W
HML-native
MGL-6B
MGL-6B
HA70 complex-Alexa
MGL-4A8
Monoclonal-CN
Bacn-lec
Mouse NKG2D-Fc
Mono1-CNL
Epa1-Np mutant E227G
CA19-9 Ab (DSTA)
UEA1
VVA
Galectin-1
MGL-6A
EA
Epa1-Np WT
Mono2-CNL
WGA multimer
WGA
WGA
RSA
RSA
TbpB-7
SNA
MAL1
ACL

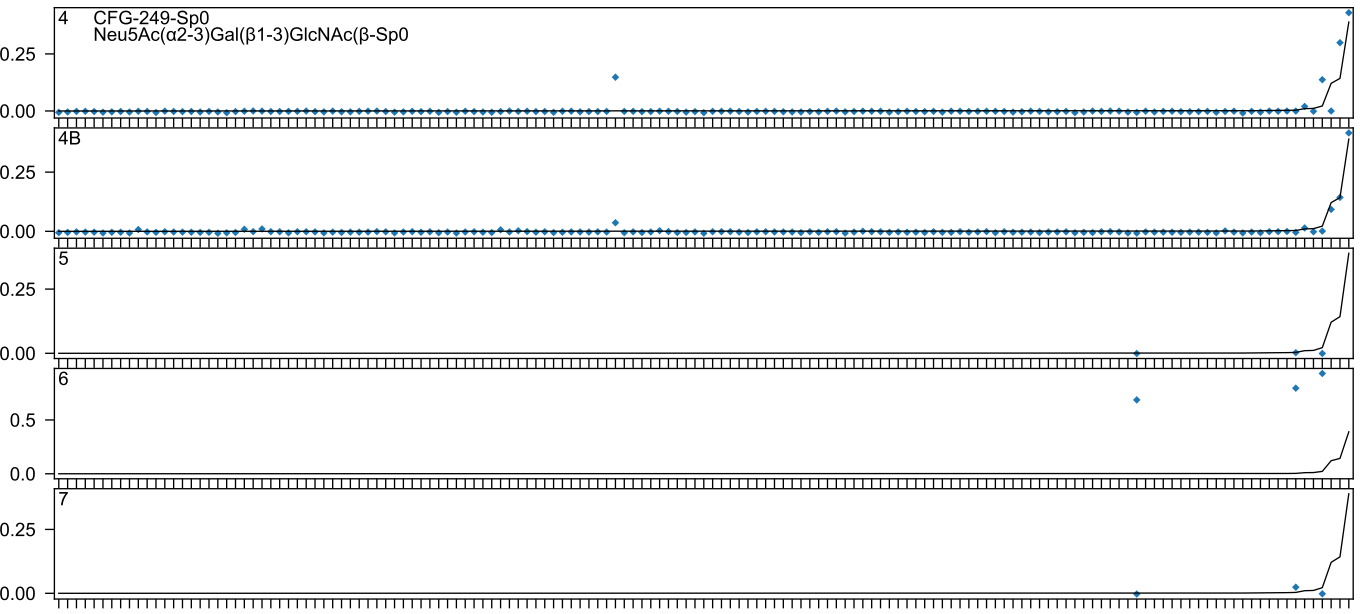

4
CFG-244-Sp14
Neu5Ac(α2-6)[Neu5Ac(α2-3)Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.2
0
1
hJAA-F11-B11
NPA
PNA
GSL-I
GNL
STA
DSA
LEA
UDA
TJA-I
PHA-E
PHA-L
Native MPA
UEA-I
LSL-150
PhoSL-001
ECL
CA19-9 Ab (DOTS)
WFA(S)
WGA
Gal-3C
Sp Serotype 14
LBL-142
CTB
UEA-II
WT Galectin-8
CA19.9-96-2
CA19.9-96-1
Sp Serotype 14
Sp Serotype 14-15
HA70 complex-Alexa
CA19.9-Alexa
PSSM2
MGL 6A-H-2001
SBA
SBA
NGal-1-488+PBS
Epa1-Np mutant Y227A
VVA
VLRB aGP-1-21
RCAI (Vector)
PTA
HPA
#8 Lewis B (T2118) (Abcam)
#14 Sialyl Lewis X (EY Lab)
EEA (EY Lab)
CSA
NKA (EY Lab)
Mouse
VVH (EY Lab)
Epa1-Np mutant Y227A
HL (EY Lab)
Epa1-Np mutant E227A
MAA(Seikagaku)
GSL-II
WFL
AFA
CNA(T)
AAL
MNA
ABA
CAA
PNA
Epa1-Np mutant Y227A
MOA
VGA
VGA(EY Lab)
UEA-I
PHA-E
PHA-L
TJA-I
CA19.9-121SCE
Threonin
Mucin
Microvillin
human Gal7
SHL
HML-Native
Mono2R-CNL
Mono2W-CNL
GSL-I(EY Lab)
mouse Gal7
Galectin-1
Mono1-CNL
MGL 476
Bap-PSE
CC1Q
P31
NPA
rNV XLP (EY Lab)
GNA (EY Lab)
BPL
WGA(Seikagaku)
AOL (Marina Lab)
HHA(EY Lab)
Gal-7
Gal-3
PAL
WGA multimer
Mouse Galectin
SSL-488
WGA
TcFBL-1
MGL 6A
Avaren-Fc
Epa1-Np-Fc
#15 Sialyl Lewis X (BD)
CVA
ME7(detected with a-HUD)
Anti-Fc
ME5(detected with a-HUD)
BTL (EY Lab)
GNA
SNA
Gal-1
Human Galectin1
DC-ASGPR
SSL-488
SSL-1
SSL-2
TcFBL-2
MAL II

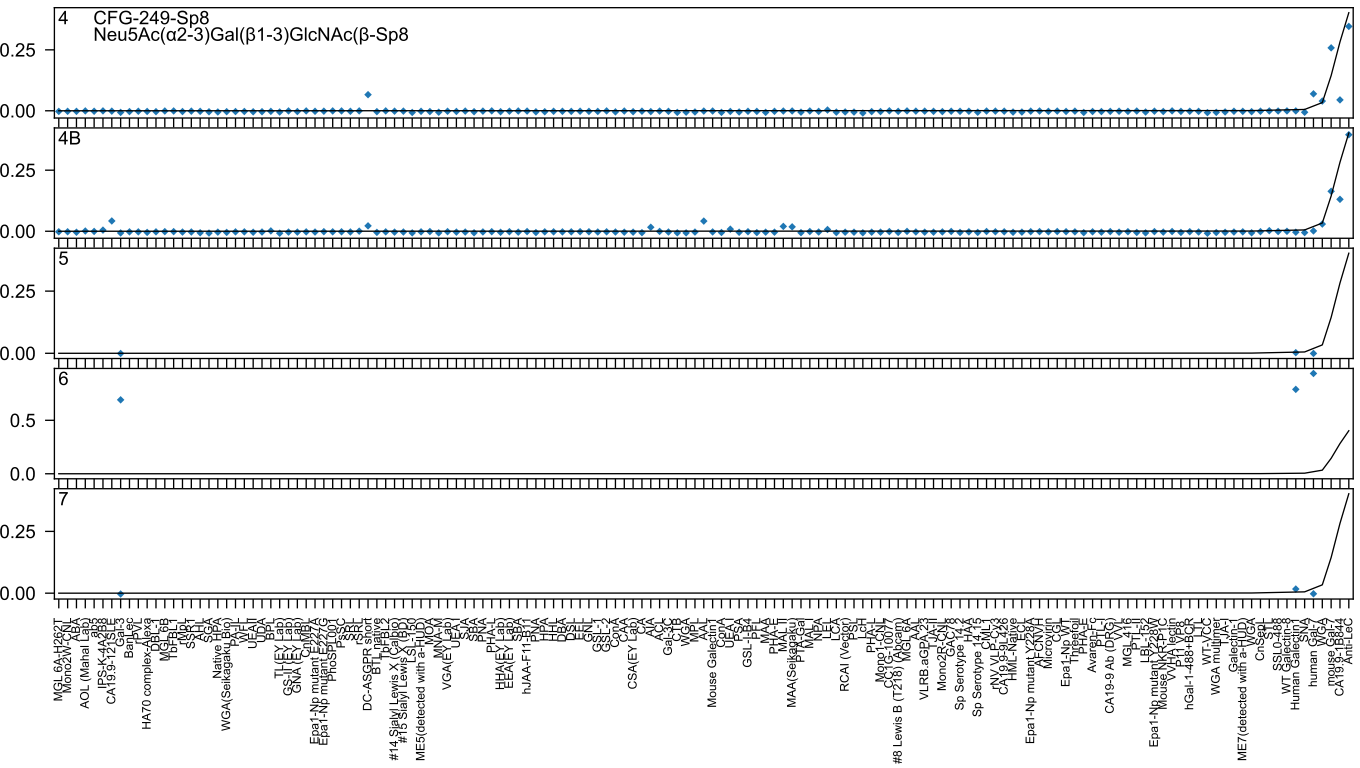

4
CFG-245-Sp8
Neu5Ac(α2-3)Gal(β-Sp8
0.01
0.00
4B
0.1
0.0
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
SNA
SNA
ABA
ABA
AOL (Mahal Lab)
mouse Gal-7
human Gal-7
Gal-3
HA70 complex
Alexa
MGL 68
CC1(Gal)
TbGP(7)
SNA
SNA
ABA
Native SBA
WGA(Seikagaku Bio)
UEA II
TL(EY Lab)
UEA I
GSL-I(EY Lab)
GNA(EY Lab)
MAA
Con A
Epa1-Np WT
phoS-CNP1
CA19-9 Ab (DRG)
CA19-9 Ab (Chemicon)
DC-ASGPR short
DC-ASGPR long
MGL 418
hGal-1-488 PBS
#15 Sialyl Lewis X (Bio)
ME7(detected with a-HUD)
LBL-152
ME5(detected with a-HUD)
WFA
VGA(EY Lab)
UEA I
SBA
HML-Neu5Ac
SBA
MGL 6A-H292
GNL
HPA
DSA
SNA
GNL
PSA
PSA
Con A
ACL
Mouse NKR-P1C
ACL
AAL
Mouse Galectin-1
Human Galectin-1
ECL
UEA I
HPA
GSL-I-B4
hJAA-F11-B1
PNA
MAA
MAL
MGL
BSL
PTL-I
PHA-E
PHA-L
MAA(Seikagaku)
Sp NeuAcα2-3Galβ-Sp8
CA19.9-Sp8
Galectin-1
Gal-3C
MOA
Sp Serotype-14 (13)
CA19.9-Sp26
CA19.9-Sp12
CAA
WGA
VGA
Epa1-Np mutant E227A
VLRB.aGFA-Fc
ANE-BC
#14 Sialyl Lewis X (Calbiochem)
Avastin-Fc
GAL-8
CA
CA
CA19-9 (Microbio)
PHA-L
Epa1-Np mutant E227Q
#8 Lewis B(T218) (Abcam)
WGA
Epa1-Np mutant Y228A
RCA I (Vector)
PTL
IPS-K-488
Pseo
Mono1-CNP
MAL II
Mono2R-SNP
WFA
Mono2W-PNA
PHA-L
CSA(EY Lab)
HHA(EY Lab)
NNV
DBA
VVHA
Lectin
Epa1-Np mutant
p11 Y228A
LCA
LCA
SSL0-488
WGA multimer

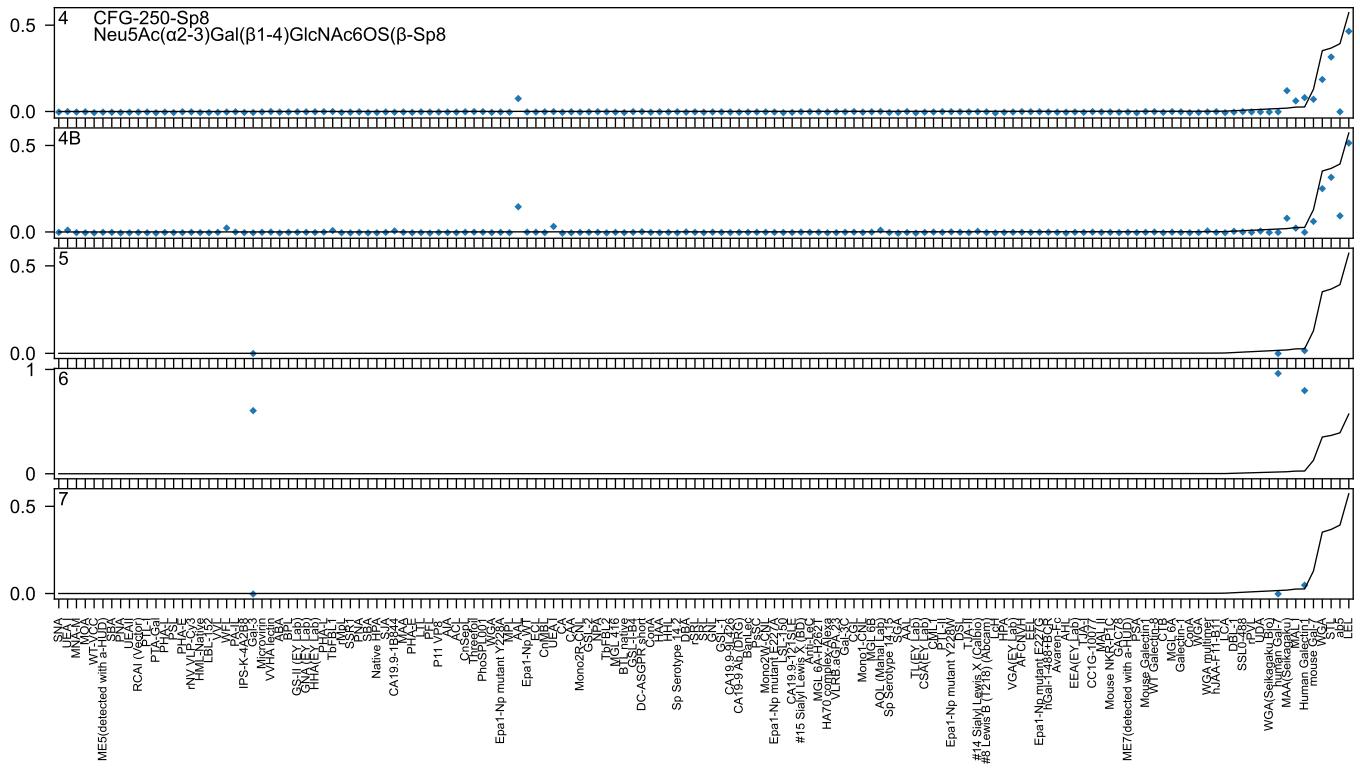

4
CFG-246-Sp0
Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
DBA
BPL
HPA
CC1G-1
UDA
GSL-I-B4
NPA
VLRB.aCD
WFA
MAA
hGal-1-488
TxCR
ASA
SJA
PTA-Pa
SBA
RCAI (Vector)
BSII
PNA
EEA(EY Lab)
VVA
WT-Galectin-1
EEL
HHA
GNA
UEA
CGA
LCA
Human Galectin1
Mouse Galectin1
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
GNL
Mouse NK Receptor
PhoSL001
WGA(Seikagaku)
GSL-I-A4
Sp Serotype-Conj
MGL
AIA
BTL naive
PSA
PCA
WGA
COGI
Anti-Epa1 Ab
#15 Sialyl Lewis X (EY Lab)
Threonol
GSL-III-A4 (Lab)
ab5
VGA(EY Lab)
Epa1-Np mutant Y228W
MGL 6A-H261
hJAA-F-B1
Banana
MAA(Seikagaku)
rNV VEP-C23
DSL
PLA
#8 Lewis B (T218) (Abcam)
HA70 complex-Alexa
DBL
CA19-9 Ab (TYPE)
Epa1-Np mutant E227A
Epa1-Np WT
CA19.9-12 Sal-2
DIP
PHA-E
PHA-L
TJA-II
TJA-I
ACG-NH
Microvirin
Native HHA
UDA
UEA
LEA
CrSerp
PCA
Sp Serotype 12-15
Mono2K-Conj
BPL
PHA-L
SSR1
#14 Sialyl Lewis X (EY Lab)
CA19.9-Conj
VVL
MCL
ACB
GSA(EY Lab)
GNA(EY Lab)
MAA-M
Mono1-Conj
WGA
AOL (Manal Lab)
MAL-I
HHA(EY Lab)
SNA
SEA
P11
VFA
CVN
Mono3-Conj
Avaren-Pc
Galectin-1
WT-Galectin-8
DC-ASGPR
PAPA
SSB
TbFBP
WGA
WGA mutant
ME7(detected with α-HUD)
MGL
human Galectin-4
CA19.9-18844
GAL8
mouse Galectin-7
ME5(detected with α-HUD)
IPS-K-A288

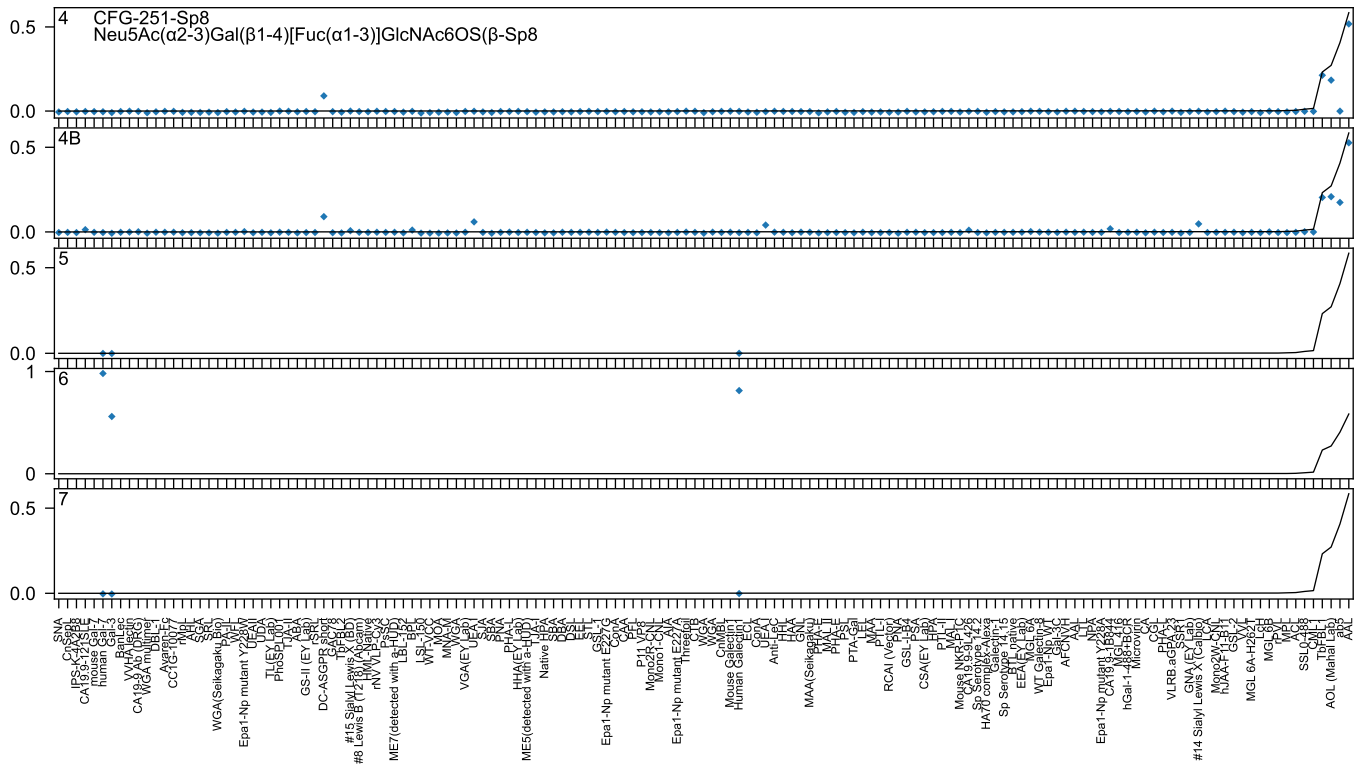

4
CFG-247-Sp0
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
GNA (EY Lab)
EEA (EY Lab)
GS-II (EY Lab)
Monoz2W-Chi
AOL (Mahal Lab)
PS-Ka-Z288
VVHA lectin
HA70 complex
Alexa
CC1G-1
DBL-1
Native ABL
PAJ-L
WVL
UEA-I
TL(EY Lab)
PHA-L
TJA-I
PNA
WGA
Epa1-Np mutant E227A
Epa1-Np mutant E228A
Epa1-Np mutant E229A
Epa1-Np mutant Y238W
PhoSL
LBL
PSL
Sp Serotype 3 spot
DC-ASGPR spot
#14 Slaly (Lewis x-BSA) spot
#19 Slaly (Lewis X (BD))
nNVVL (Pseudo)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WT-MOX
VGA(EY Lab)
MVA-M
UEA
SBA
MGL 6A-H2821
GSL-I
CSA(EY Lab)
HPA
HAA
HHL
GNL
BS-A
GC-A
CAA
PCA
AIA
Threo-Ig
KID
AAL
ECA
UEA-I
Ara
Mono2R-CRD
hJAA-F11
ECL
PHA-E
PSL
PAL
MAL-I
PTA-Gal
RCA I (Vector)
PNA
PTL
ab5
Toxo-BL2
ESSC
GSL-IV
MGL 6B
Epa1-Np WT
CA19.9-1-126
Mono1-CSL
Chi-Sep1
VGA
Sp Serotype 1 spot
SJA
MGL 416
MGL 2C/D
CV-N
VLRB.aGPA.23
#8 Lewis B (T2/18) (Abcam)
PHA-L
PHA-E
EEL
SCA
LBL
Pr-152
LTL
HHA(EY Lab)
Mouse Galectin1
MAA(Seikagaku)
Vicrit-1
APCNCH
SSLO-288
Gal-3
Galectin-1
PVL
Mouse NKG2D-L
WT Galectin-8
CA19.9-1-126
Human Galectin-1
SSL-150
WGA multimer
human VGA
CA19.9-12SLE
CA19.9-18SLE
mouse Gal-7
WGA(Seikagaku Bio)
WGA

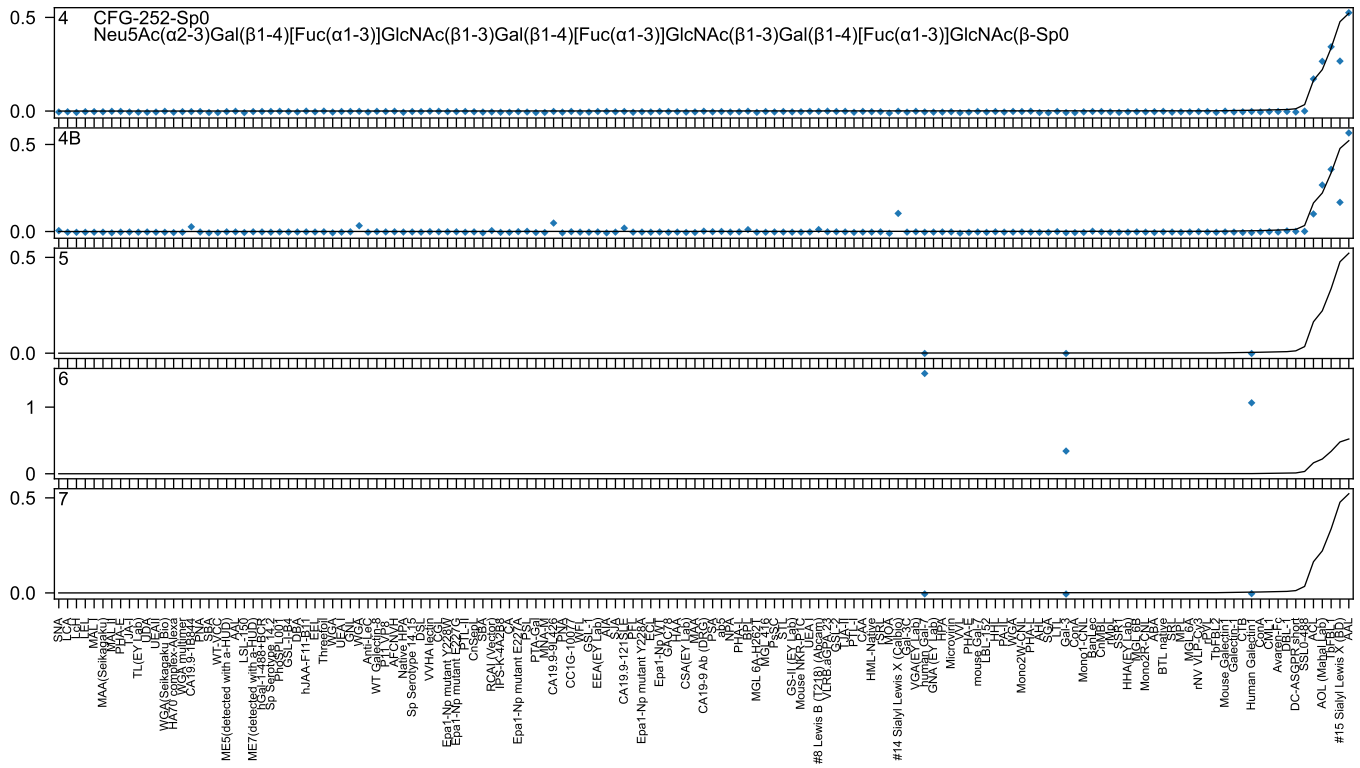

4
CFG-248-Sp0
Fuc(α1-2)Gal6OS(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11
B14
SJA
VGA(EY Lab)
PTA
PTA-Gal
VSA
SSA
MAL
MAA(Seikagaku)
PNA
MAA
MOA
MNA-M
SNA
SNA-F
TJA-I
TJA-II
human Gal-7
mouse Gal-7
ab5
BPL
BPA
GNA (EY Lab)
WGA(Seikagaku)
PHA-E
PHA-L
VVL
UEA-I
PWM
TL(EY Lab)
WT-S6C6
DBL-1
LSL-150
Actin-MB
Epa1-Np mutant Y228W
Mouse Galectin-1
Human Galectin-1
Mouse Galectin-3
Galectin-1
Galectin-3
WGA
CTB
Mouse NKR-P1C
Thrombin
AIA
DC-ASGPR sign
GSL-I-B4
CSA(EY Lab)
HPA
HAA
DSL
MGL-1
GNL
HA70 complex-Alexa
CGL2
hGal-1-488-BCB
#14 Sialyl Lewis X (Calbio)
TbFBP2
SSL7
SSL8
SSL1
BTL mutant
Sp Serotype 14-2
GSL-I-A4
VLRB.aGAL-2
MGL-8-H2837
CA19.9-9-G28
#8 Lewis B (T218) (Abcam)
IPS-K-4A268
IPS-K-4A268
AOL-K-1B8
Epa1-Np WT
#15 Sialyl Lewis X (eBioscience)
EEA(EY Lab)
NV VLP-CG3
CA19.9-12-SLE
Microvigin
ACL
Bacillus
CA19-9 Ab (TRG)
Sp Serotype 1 (EY Lab)
GSL-I-B4
Avaren-Fc
HML-Native
Epa1-Np mutant E227A
HHA(EY Lab)
EGL
SCA
SCA-F
TOA
PhoSL(OC1)
GSL(C1)
Native HPA
Mono2R-CONI
Epa1-Np mutant Y228A
SSL9-468
PHA-F
Epa1-Np mutant E227G
LBL-Con A
Mono2W-CON
SSL
CA19.9-18-9-47
Mono1-CON
MAL7
CC1G-MAL7
PVV
Gal-3X
MGL-3X
SNA
ME7(detected with a-HUD)
P11 (VP8
WGA mutmer
ME5(detected with a-HUD)
VVHA (pctr
AOL (Matjal-Lab)
UDA
RCAI (Vector)
EAA
UEA1

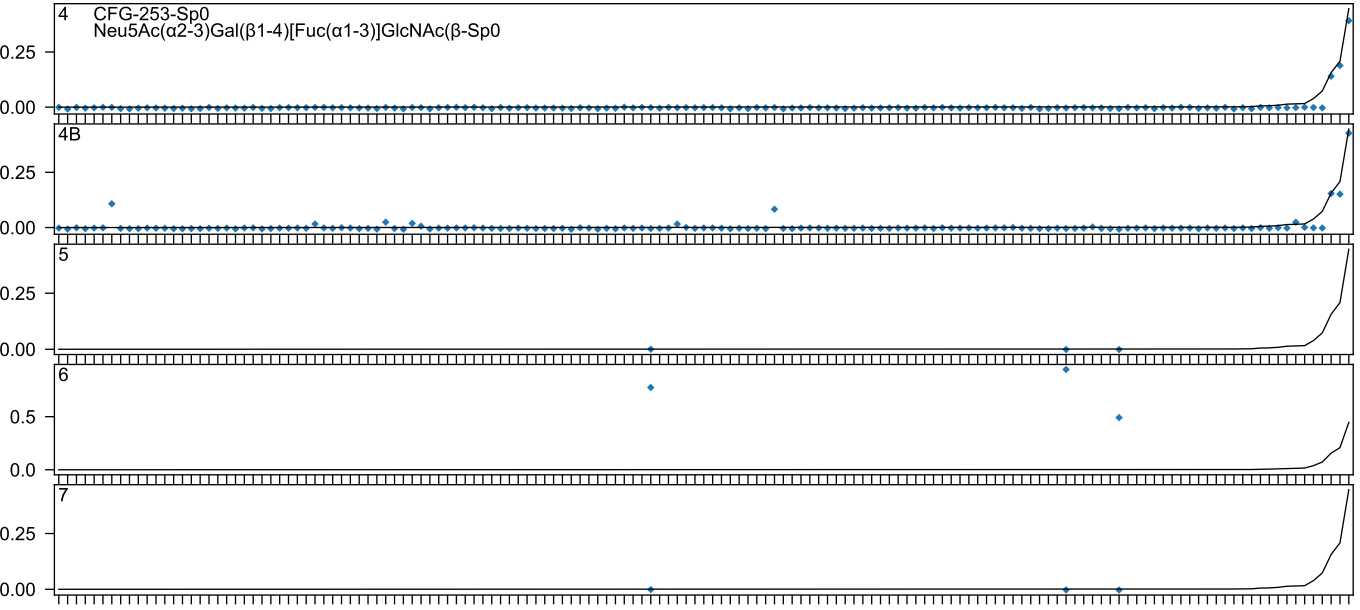

4
CFG-249-Sp0
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
BPL
ME5(detected with a-HUD)
PNA
PTL
LSL-150
UEA1
LEL
ME7(detected with a-HUD)
AFC
MOA
TPA
PHA-E
PHA-L
TJA-I
TJ (EY Lab)
WGA(Lab mutant)
HA70 WGA mutant
CA19.9-Z-SC-2
CA19.9-Z-SC-4
IPS-K-A2069
ABS
AIL
EEA(EY Lab)
PJ1
PAL2
SSA
SNA
UEA1
LEL
#14 Sialyl Lewis X (Calbiochem)
TPB12
VVH-B4
GSL-I-B4
LCA
ACL
Mouse NKR
ECL
Epa1-Np mutant Y228A
CTB
Mono2R
WGA
Mouse Galectin-1
Epa1 Np
ECL
UEA1
CNBL
CCL1
CCL2
Mono2L
Sp Serotype 14.15
Sp Serotype 14.2
SVA
HPA
GNL
HAA
DC-ASGPR
PPL
HHL
BTL mutant
DBA
MAA(Seikagaku)
Sp Serotype 14.2
HMA
Banlec
WFL
Epa1-Np mutant Y228G
Epa1-Np mutant Y228W
Epa1-Np mutant Y228F
WGA(Seikagaku) Bio
MGL DA-HEL
EEL
Threspin
CGA
CA19.9 Ab (DRG)
CA19.9 Ab (EY Lab)
CSA
CNSeP
SGA
MAL1
PCS
Native HPA
SBA
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-218) (GK2678)
MPL
VFL
hJAA-F11-B11
CSH
Microcystin
AOL (Mahal Lab)
hGal-1-468+BCR
PSL
GNA (EY Lab)
PNA
P1 DLS
Avarol-Fc
Mono2 (EY Lab)
HHA(EY Lab)
VGA(EY Lab)
PhoSL (EY Lab)
WGA
rDV VLP-Gal-3
RCA (Vector)
GS-II (EY Lab)
ABA
rBSL
VLRB aGVA-A3
MOA
CA19.9-9L-G3
Galectin-1
PAA
PSA
SSA
WT Galectin-1
Human Galectin1
Tb-DBP
Human GBP-7
chicken GBP-7
mouse Gal-7
Anti-LeC

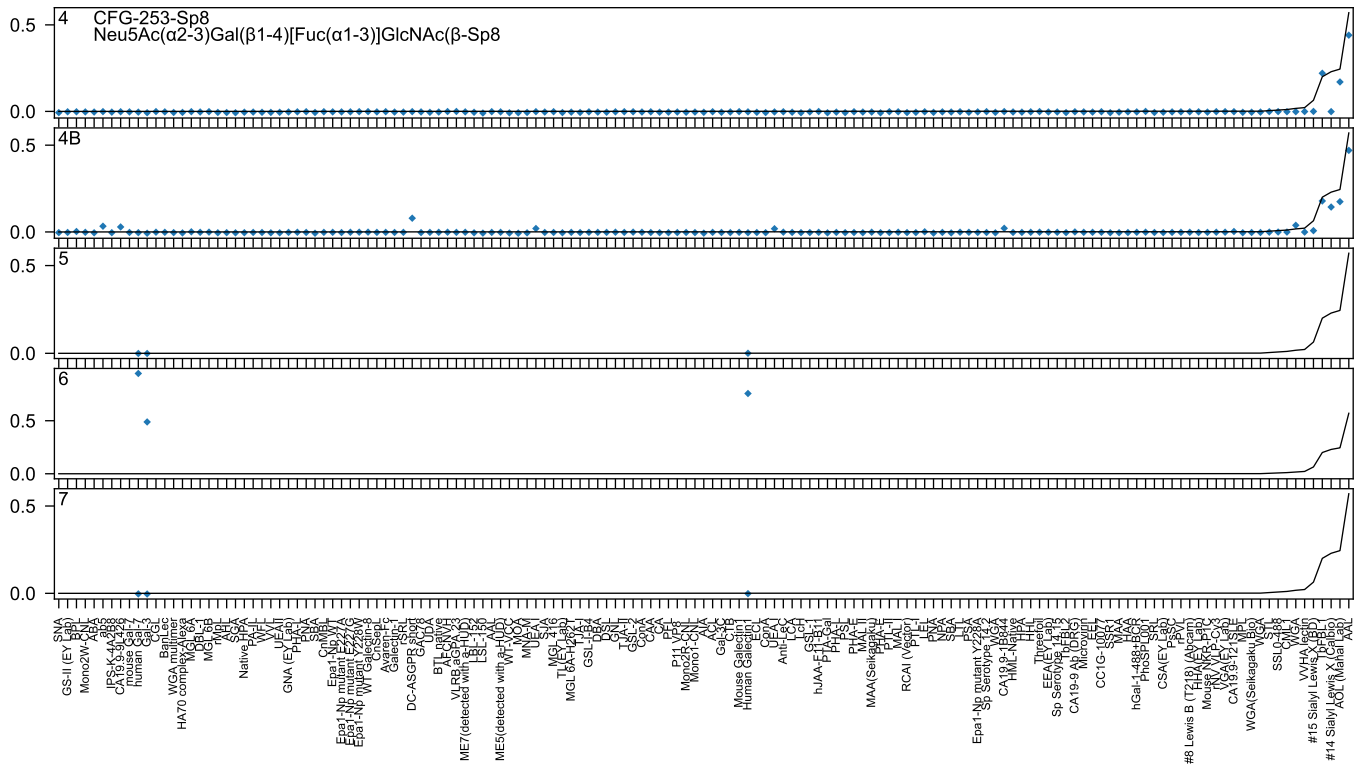

4
CFG-249-Sp8
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0

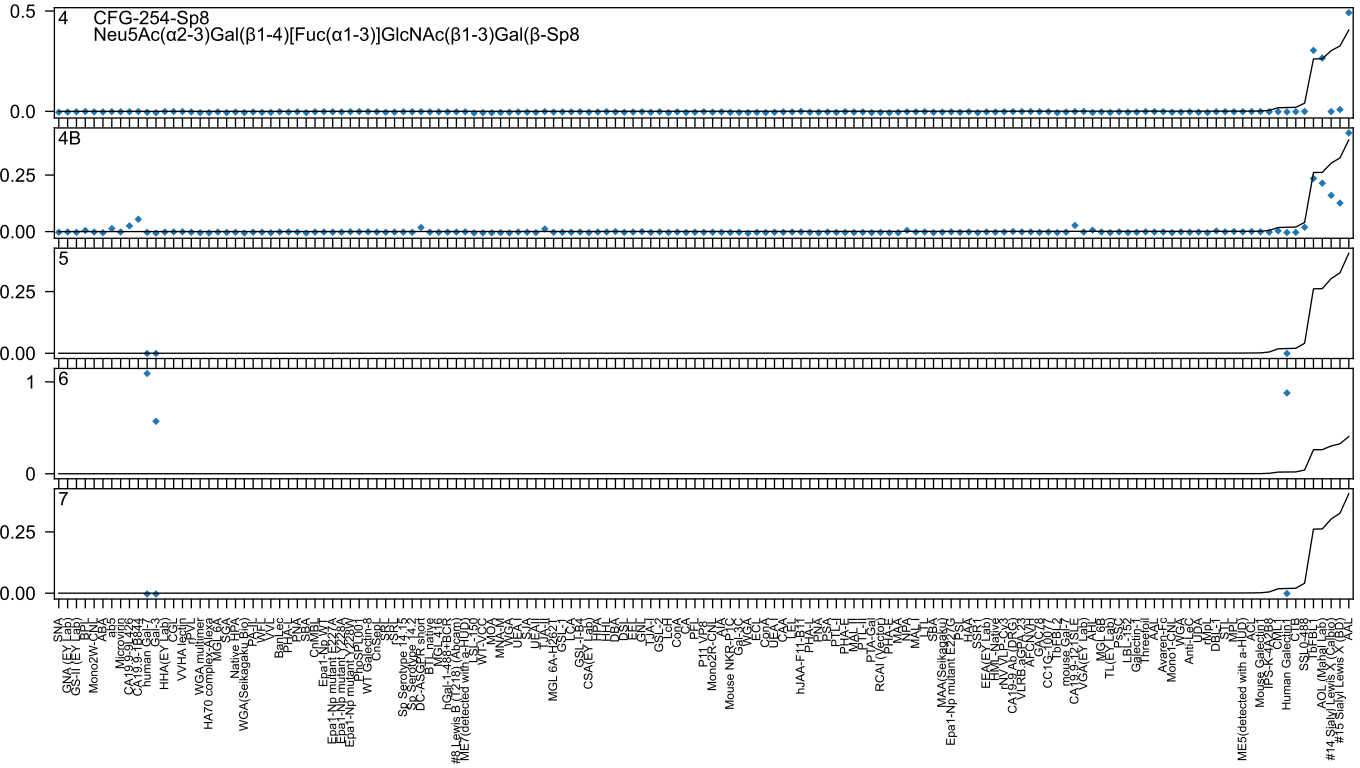

4
CFG-250-Sp8
Neu5Ac(α2-3)Gal(β1-4)GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
LEA
MAL-I
MAA(Vector Lab)
WT-VCA
ME5(detected with a-HUD)
PNA
LEA(I
RCA I (Vector Lab)
PHA-L
PHA-E
PSA
PHA-L
rNV VLP-Cy3
HM Neuraminidase
LBL
VVL
PAL
IPS-K-4A2B8
Galectin-8
Mouse
vVHA (Vector Lab)
ABA
GSL-I (EY Lab)
GSL-II (EY Lab)
HHA(EY Lab)
TxB
TxB-1
SWA
PNA
SBA
SJA
CA19.9-1B44
PHA-E
PHA-L
PTL
P11 VP8
ACL
CnSep1
TGN46
PhoSPG001
Epa1-Np mutant Y228A
MPL
Epa1-Np WT
CnBP
UEA1
CAA
Mono2R-CNL
GNA
NPA
Tor B12
BTL
Mouse native
DC-ASGPR short
ConA
HHA
Sp Serotype 14 2
rSBL
SSL7
GSL-I
CA19.9 Ab (BAC)
Banlec
Mono2W-SNL
Epa1-Np mutant E227Q
#15 Sialyl Lewis X (BD)
CA19.9-1-21SLE
MGL6-H-2B2
HA70 VLRB.aPlex33
VLRB.aPlex33
Galectin-3C
Mono1-CNL
MGL
AOL (Malaysia) 4-8
Sp Serotype 14 12
SJA
TJA-I (EY Lab)
cSA(EY Lab)
Epa1-Np mutant Y228W
DSL
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (T218) (Abcam)
HPA
VGA(EY Lab)
ATCL
EEL
Epa1-Np mutant K227E
Avarol-Fc
EEA(EY Lab)
CC1G-1007
MAL II
Mouse NKG2D-Fc
ME7(detected with a-HUD)
Mouse Galectin-1
Galectin-8
WT Galectin-8
MGL-6
Galectin-1
WGA
WGA-PHB
NJAX-PHB
LCA
DSA
SSL7B88
PVL
WGA(Seikagaku Biol)
MAA(Sialyl Gal-)
MAL(Sialyl Gal-)
Human Galectin-1
mouse WGA
WGA
SJA
LEL

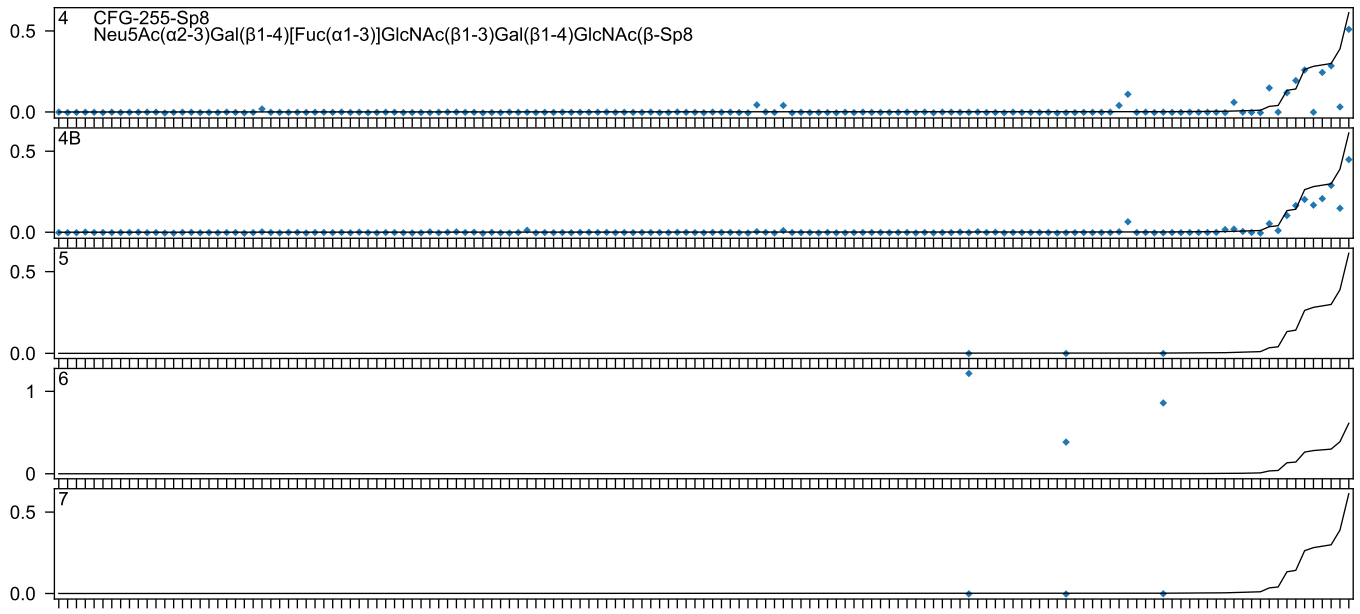

4
CFG-251-Sp8
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
Con A
IPS-CA-2B8
CA19-9 (Lab)
mouse Gal-7
human Gal-7
Ban Lec
VVA (EY Lab)
CA19-9 (Lab)
WGA mutant
Avarol
CCTG-10077
ABL
ABL
SSA
SSA
WGA(Seikagaku, Bio)
PNA
Epa1-Np mutant Y228W
UDA
PhoSL (Lab)
TJA-I (EY Lab)
TJA-II
GS-II (EY Lab)
LEA
DC-ASGPR
sSRL
#15 SialyI Lewis X(Tacalpo)
#8 Lewis B (Y128Ala-Acam)
rNW-Calnexin
rNW-Calreticulin
ME7(detected with b-LUD)
BPL
LSL
WFA
MNA
WGA
VGA(EY Lab)
UEA
SNA
BRA
PHA-L
HHA(Fitzgerald)
ME5(detected with a-LUD)
Native HPA
SBA
DSA
EEL
GSL-I
Epa1-Np mutant E227G
CCA
CCA
VFL
P11
Mono2-CNL
Mono1-CVN
Epa1-Np mutant E227A
Thrombin
WGA
WGA
CrMBL
Mouse Galectin-1
Human Galectin-1
ECL
UEA-I
Anti-HEC
HAA
GNL
MAA(Seikagaku)
PHA-E
PHA-E
PSL
PTA-I
LEL
MPA
MOA
RCAI (Vector)
GSL-I-B4
CSA(EY Lab)
PSA
PVA-I
Mouse NKG-PTC
CA19-9 (Lab)
Sp Carbohydrate
HA70 complex-Alexa
Sp Serotype Gal-1
Gal-1
EEL-native
MGL-8A
WT Galectin-3
Epa1-Np mutant Y228A
Gal-3C
Gal-3
APCVAA
NIT
Epa1-Np mutant Y228A
CA19-9 (Lab)
hGal-1-488-bCR
Microvirin
CGI
PIA
VLRB.aGPA-23
GNA (VSsR)
#14 SialyI Lewis X(Tacalpo)
Mono2W-CVN
hAA-F13-811
GVX
MGL 6A-H2621
MGL-8B
Kro
ACE
SSL-CCHB
TbFBL1
AOL (Marfat Lab)
AAL

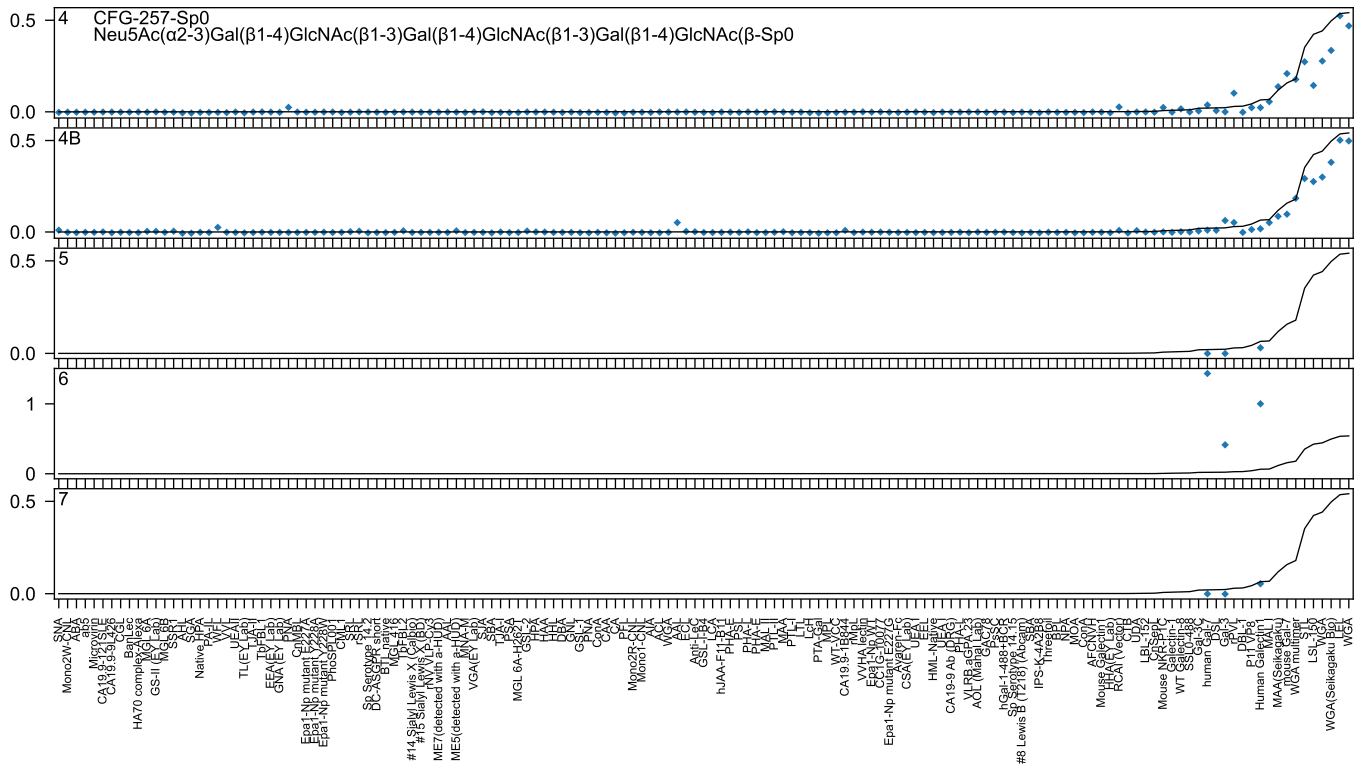

4
CFG-252-Sp0
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA-I
LCA
MAL I
MAL
MAA(Seikagaku)
PNA
PNA-F
TL(EY Lab)
UDA
WGA
WGA(Seikagaku, Bio)
HA70 complex-Alexa
CA18.9-1(Abcam)
CA18.9-1(BD)
SBA
SBA-A
WT-Sp0
ME5(detected with a-HUD)
LSL-150
ME7(detected with a-HUD)
Epa1-1(48-160)
Sp Serotype 14-2
Pneumolysin
GSL-I-B4
hJAA-F11-B1
EEL
Thrombin
UEA-I
UEA
VGA
Galnt-Leg
WT Galnt-Leg
B11 VLPs
Native NP
Sp Serotype 14-19
VVHA lectin
Epa1-Np mutant Y228G
Epa1-Np mutant E227G
OnSalp
SBA
RCA(Vector)
RCA-I(Vector)
Epa1-Np mutant E227A
PSA
PNA-Ca
CA19.9(Abcam)
CA19.9(BD)
CC1G-10079
WFL
WFL-F
EEA(EY Lab)
AIA
CA19.9-121
SLE
Epa1-Np mutant Y228A
EPA
Epa1 NP-C678
CSA(EY Lab)
MAA
CA19-9 Ab (DSHB)
aGS
PHA
PHA-L
BPL
MGL 6A-H-2
MGL 4-18
PSA
SSA
GS-II(EY Lab)
Mouse NRP
DEA
#8 Lewis B (Abcam)
VCAB aGSL-2
GSL-2
HA-I
CAA
HML-Native
NOA
#14 Sialyl Lewis X (Calbiochem)
VGA(EY Lab)
GNA(EY Lab)
HPA
MicroVVI
PSA-F
mouse Galectin-1
LBL-152
PAL
PAL-F
Mono2W
VGA
PHA-E
SJA
LTA
Can-X
Mono1-CNL
CanMB
SNA-I
HHA(EY Lab)
Mono2-CNL
ABA
BTL native
MPL
MGL
rNV VLP-Cy3
TbFBP-1
Mouse Galectin1
Galectin1
CTB
Human Galectin1
CVN
Average
DC-ASGPR short
SSL0488
AOL (Malpa Lab)
#15 Sialyl Lewis X (BD)
AAL

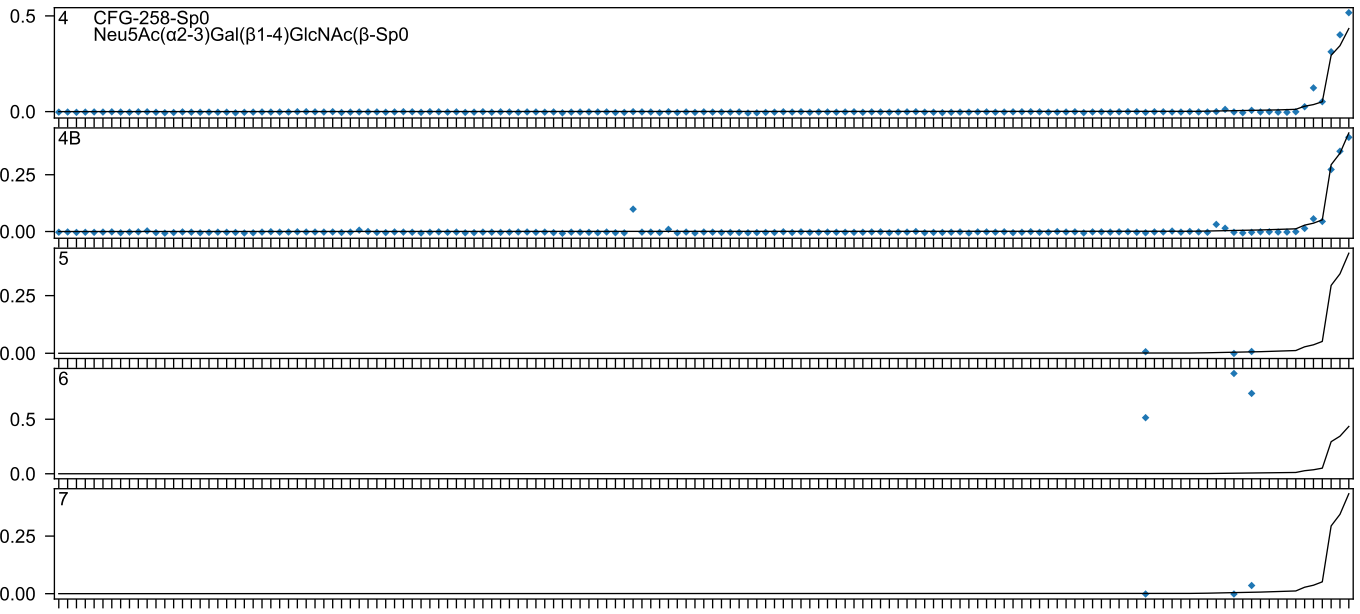

4
CFG-253-Sp0
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
hJAA-F11-B10
ME7(detected with a-HUD)
#14 Sialyl Lewis X (CD15)
Native PSA
hGal-1488+BCR
HA70 complex-Alexa
WGA multimer
HHA(EY Lab)
Mono2W-Alexa
IPS-K-4-A8
ME5(detected with a-HUD)
Epa1-Np mutant Y228A
Human Galectin1
Epa1-Np mutant Y228A
Sp Serotype 14-15
Sp Serotype 14-2
mouse Gal-7
human Gal-7
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis X (SD)
AOL (Matpal-Bio)

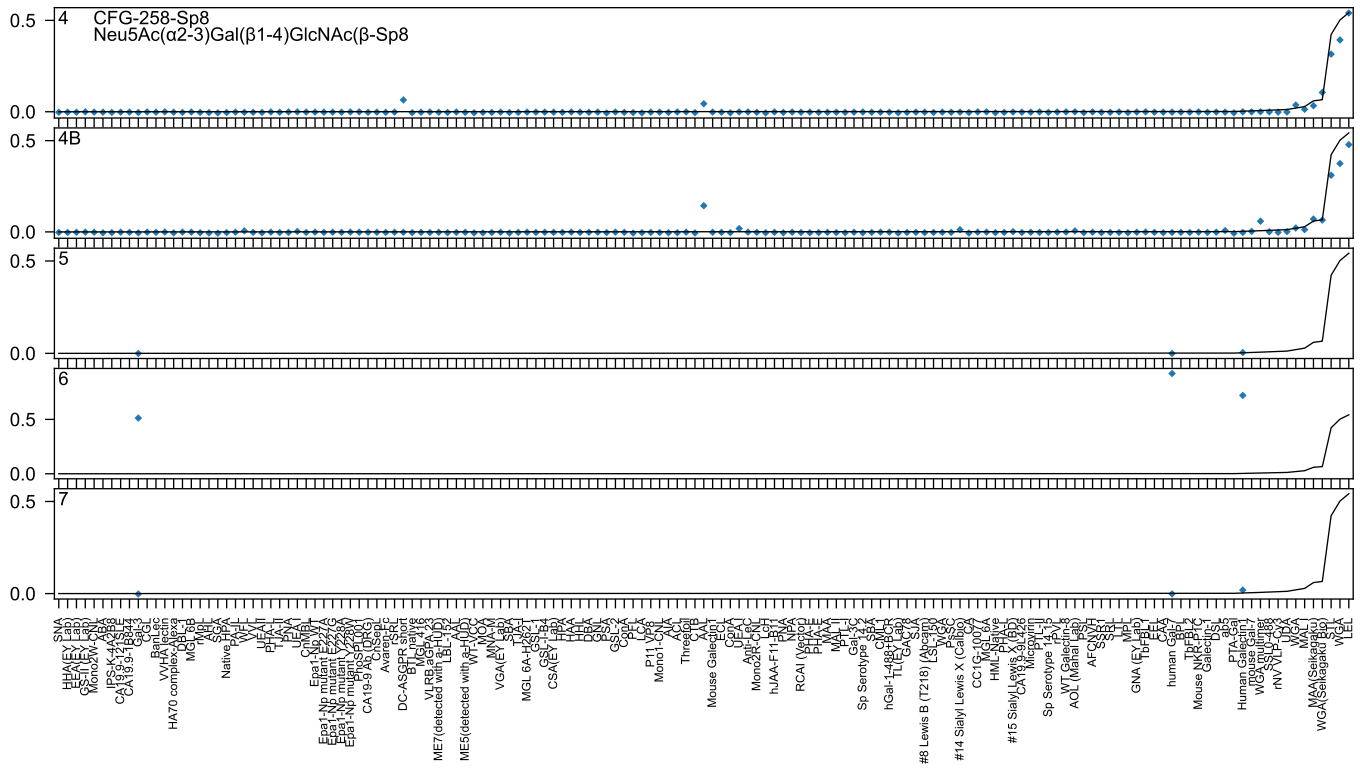

4
CFG-253-Sp8
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
GS-II (EY Lab)
BPL
Mono2W-Ab
ABA
JRS-K-44-2
CA19-9-1428
mouse Gal-7
human Gal-7
Gal-3
Bau-Lac
WGA multimer
HA70 complex
MGL-6A
MGL-6B
MGL-8A
Mgl
SJA
SBA
Native-PNA
PNA
WFL
UEA-II
UEA-I
GNA (EY Lab)
PHA-L
PHA-E
SBA
Con-A
Epa1-No mutant Y228A
Epa1-No mutant E227A
Epa1-No mutant Y228A
Epa1-No mutant Y228W
WT Galectin-8
Galectin-8
Avarren-Fc
Galectin-1
DC-ASGPR sol
Galectin-9
DC-ASGPR
UDA
BTL-mutant
ATL-mutant
VLRB.aGPA.23
ME7(detected with a-HUD)
ME7(detected with a-HUD)
LSL-166
LSL-155
ME5(detected with a-HUD)
WT-XCC
MNA-M
UEA-I
MGL 416
TM-MGL
MGL 6A-1289
TJA-I
GSL-IV-A
DBA
DSL
TJA-II
GSL-I-A
CAA
PAA
PA-IL
PJ1-VP8
Mono2-CNL
Mono1-CNL
AIA
Gal-3C
Gal-1B
Mouse Galectin-1
Human Galectin-1
Con-A
UEA-I
Anti-T-CA
GSL-IV-B
hJAA-F11-B11
PHA-E
PHA-L
PSL
MAL II
MAA(Seikagaku)
PTA-I
PTA-T
WAA
RCAI (Vector)
PTL-I
PNA
SEA
SNA
BPL
Epa1-No mutant Y228A
Sp Serotype 14.2
Sp Serotype 14.2
CA19-9-19944
HMC-Native
HIL
Tkweetpo
EEA(Tkweetpo)
Sp Serotype 14.13
CA19-9 Ab (ORIG)
Microvulin
CC1G-10077
SSA
SSA
HAA
hGal-1488-Fc
PHA-P (Bio)
SRL
CSA(EY Lab)
PWL
#8 Lewis B (T218) (Abnova)
THA(EY Lab)
Mouse NRS-CYS
VGA(EY Lab)
CA19.9-12 (Bio)
NPL
WGA(Seikagaku)
Bio
VVL
SJL
SSL-CA188
WGA
#15 Sialyl Lewis A (pDL)
VVLHA (pDL)
#14 Sialyl Lewis X (pDL)
ACL (Kanai Lab)
AAL

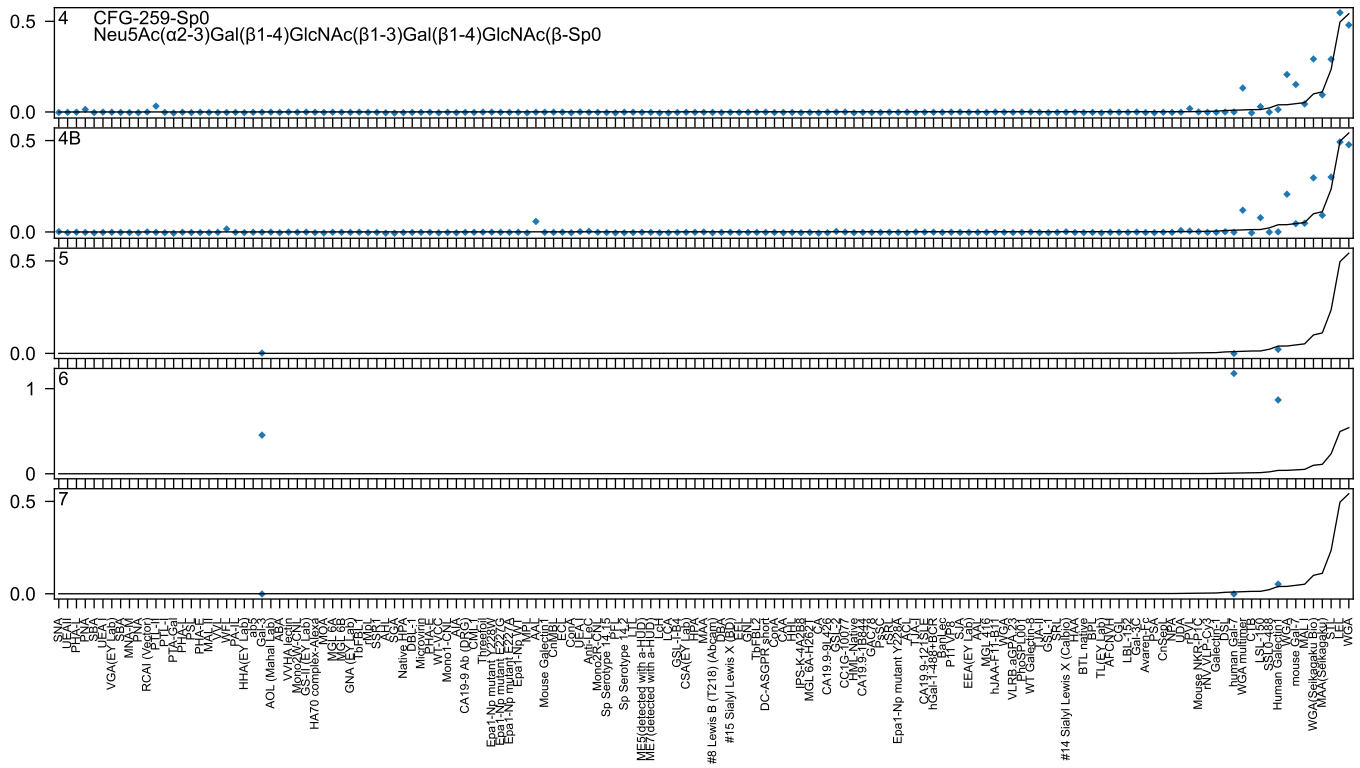

4
CFG-254-Sp8
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β-Sp8
0.5
0.0
4B
0.25
0.00
5
0.25
0.00
6
1
0
7
0.25
0.00
SNA
PNA
GNA (EY Lab)
GS-II (EY Lab)
DSL
Mono2W-PNL
ABA
Microvirin
CA19-9 (Ab-Ab)
human Gal-7
HHA(EY Lab)
CGL
PSL
VVHA (Pro)
WGA multimer
HA70 complex
MGL 6A
TPA
Native TPA
WGA(Seikagaku, Bio)
TWF
VVL
BanLec
PHA-E
SBA
PHA-L
CrmB
Epa1-Np mutant Y227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y229A
BpsSP-C001
WT Galectin-8
Chimera
S88
S89
Sp Serotype 19.15
Sp Serotype 14.2
Sp Serotype 14.2 mutant
DC-ASGPR Native
BTL Native
hGal-1 Mut-E18
MGL 6A-H2821
#8 Lewis B (Ab-Lab)
ME7(detected with a-HUD)
WFA
MVN
WGA
UEA-I
SNA
LFA
LFAII
MGL 6A-H2821
GSL-I
CSA(EY Lab)
LBA
PHA
DBA
DSL
ECL
GNA
GLA
CopA
PFL
P11
Mono2R-CPS
AIA
Mouse NKG2-LC
WGA
CGL
CGA
UEA-I
LEL
hJAA-F11
PTA
PNA
PTL-I
PNA
PTL-II
MPL-II
RCA(EY Lab)
PHA-E
PHA-L
NPA
MAL-I
SBA
MAA(Seikagaku)
Epa1-Np mutant E229Q
PSL
SSA
SNA
EEA(EY Lab)
ECA(EY Lab)
CA19-9 Ab-DR2
CA19-9 Ab-DR3
APCNV1
GNA
CC1G
TcEBL2
CA19-9 Ab-E
VGA(EY Lab)
MGL 6B
TL(E. Lab)
LBL-162
Galectin-1
Intelectin-1
AAL
Avarin-PCN
Mono3PCN
WGA
Anti-LFA
UDA
PAP1
DSA
SJL
ME5(detected with a-HUD)
ACL
Mouse Galectin-1
PS-K-42088
Human Galectin-1
CTB
SSA
TcFBB
#14 Sialyl Lewis X (Ab-Lab)
AOL (Mishal Lab)
#15 Sialyl Lewis X (BD)
AAL

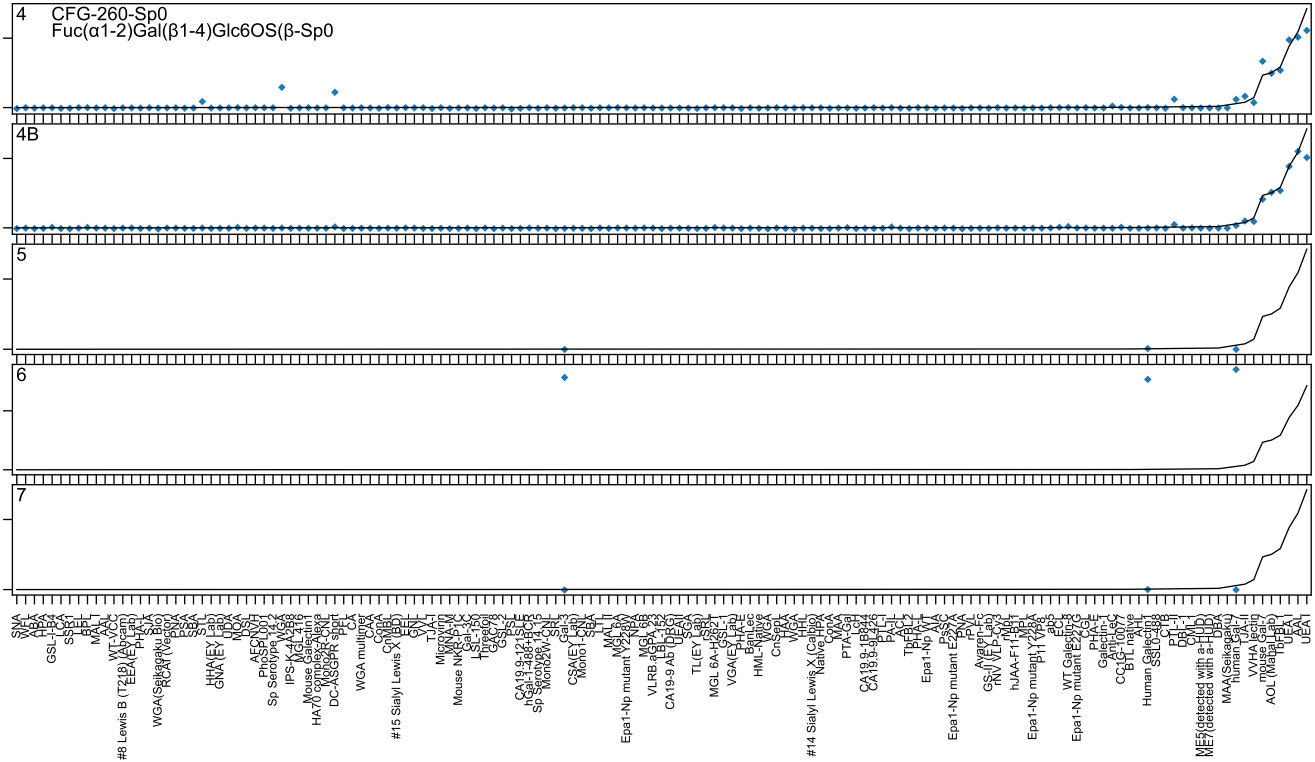

4
CFG-255-Sp8
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
RAA
PHA-E
PHA-L
HHA
PSA
MGL-2
EEL
STL
GNA
CAA
PTA-Gal
TJA-I
PNA
VAC1
TL(EY Lab)
UEA1
LEA1
PAL
SBA
VGA-2
Gal-2
PNA
UDA
PHA-L
HA70 complex
Mono2W-CONI
Sp Serotype 14-2
CA19-9 Ab (DRG)
GNA
PVL
GSL-I
RCAI (Vector)
CSA(EY Lab)
SBA
HPA
Native HPA
Sp Serotype 14-2
VVA (Vector)
VLRB aGPA 23
ChSeB
MOA
PSL-I
AIA
VGA(EY Lab)
CA19-9-1-288
IPS-K-4-288
hML-Native
#8 Lewis B (T2-18) (Abcam)
Epa1-Np mutant E227G
Bat-BP
Threefold
Epa1-Np mutant E227A
Galectin-1
APOVH
Mono2R-CONI
rNV VLP Lectin
T-42
MNA-M
Phos-Tag
hGal-1-488-BGR
Epa1-Np mutant Lb-228G
SGA
CA19-9-12
CCTG-10077
CA19-9-1B-24
PSL-150
Microvura
Mono1-CONI
BPL
PHA-E
MGL 6A-488
PHA-L
GSV-I B4
UEA1
EEA (EY Lab)
Epa1-Np mutant Y228A
GS-II (EY Lab)
PVL
PTL
CopA
Mouse NKR-P1C
MAA(Seikagaku)
human Galectin-7
GAL1
UDA
ACL
AIL
Epa1-Np WT
MGL 6A
GNA (EY Lab)
WT-CCC
HHA(EY Lab)
SSL1
SSL7
AvaCPE
CnMBL
ACL
WGA multimer
Mouse Galectin-9
WPL
Human Galectin-1
PTL
pTCHB2
ME7(detected with a-HUD)
ME5(detected with a-HUD)
SNA
WGA
DC-ASGPR-Fc
CMLL
WGA(Seikagaku) Bio
SSL5-488
LEL
#14 Sialyl Lewis A (Mochi Lab)
AOL (Mochi Lab)
TcBL1
TcBL1
#15 Sialyl Lewis X (BD)
AAL

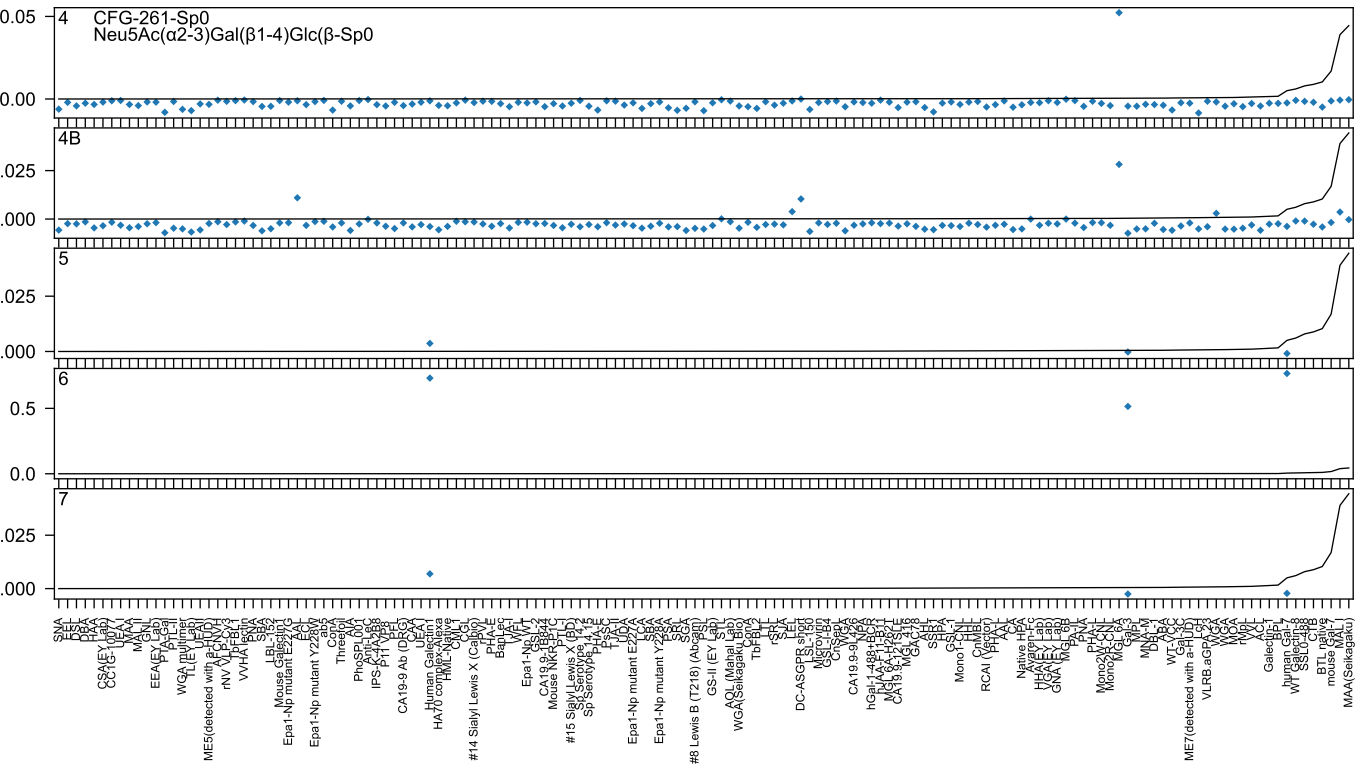

4
CFG-257-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
Mono2W-SNA
ABA
ABA
Microvin
CA19.9-Sp0
CA19.9-Sp1
CGE
HA70 complex
BanLec
WGA
WGA
GS-II
GS-II
SSA
SSA
Native-PA
PA
WFL
UEA-I
TL(E.Y.Lab)
TL(E.Y.Lab)
TJ-PB1
TJ-PB1
EEA(E.Y.Lab)
GNA(E.Y.Lab)
PNA
PNA
Epa1-Np mutant Y226G
Epa1-Np mutant Y226A
Epa1-Np mutant Y226A
Epa1-Np mutant Y226F
Fhos-Sp0001
CMLL
CMLL
rSBL
rSBL
Sp Serotype 14.2
DO-AAL-Sp0001
BT1 native
BT1 native
MGL-B18
MGL-B18
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (Calbiochem)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
VGA(E.Y.Lab)
VGA(E.Y.Lab)
SNA
SNA
SSA
SSA
TEL
TEL
PSA
PSA
MGL 6A-HUD
GSL-2
HPA
HPA
LTL
LTL
GNA
GNA
GSL-1
GSL-1
ConA
ConA
CAA
CAA
PF
PF
Mono2R-CNL
Mono1-CNL
AIA
AIA
WGA
WGA
EAL
EAL
Anti-FaC
GSL-1-B4
hJAA-F11-B11
PHA-E
PSL
PHA-E
PHA-L
MAL-I
MAL-I
PTL-I
PTL-I
LCH
LCH
PTA-Gal
PTA-Gal
WT-VCC
WT-VCC
CA19.9-18644
CA19.9-18644
VVHA lectin
VVHA lectin
EPA(E.Y.Lab)
EPA(E.Y.Lab)
Epa1-Np mutant E227G
Epa1-Np mutant E227G
CSA(E.Y.Lab)
CSA(E.Y.Lab)
UEA-I
UEA-I
HML-Native
HML-Native
CA19-9 Ab
CA19-9 Ab
PHA-L
PHA-L
AOL (Marasmia oryzae)
AOL (Marasmia oryzae)
OAA
OAA
hGal-1-488+PBS
hGal-1-488+PBS
Sp Serotype 14.15
Sp Serotype 14.15
#8 Lewis B (7218) (Abcam)
#8 Lewis B (7218) (Abcam)
IPS-K-4A2B8
IPS-K-4A2B8
Thrombin
Thrombin
BEL
BEL
MGA
MGA
AF-CGN
AF-CGN
Mouse Galectin1
Mouse Galectin1
RCA(E.Y.Lab)
RCA(E.Y.Lab)
OTB
OTB
LBL
LBL
UPA
UPA
Mouse NrCAM
Mouse NrCAM
Mouse Galectin-7
Mouse Galectin-7
WT Galectin-8
WT Galectin-8
SSelectin-Fc
SSelectin-Fc
Gal-3C
Gal-3C
human Gal-7
human Gal-7
Gal-3
Gal-3
PBL-1
PBL-1
Pa-IL
Pa-IL
Human Galectin-9
Human Galectin-9
RIAL1
RIAL1
MAA(Seikagaku)
MAA(Seikagaku)
WGA
WGA
WGA multimer
WGA multimer
LSL
LSL
SJL
SJL
WGA
WGA
WGA(Seikagaku)
WGA(Seikagaku)
BEL
BEL
WGA
WGA

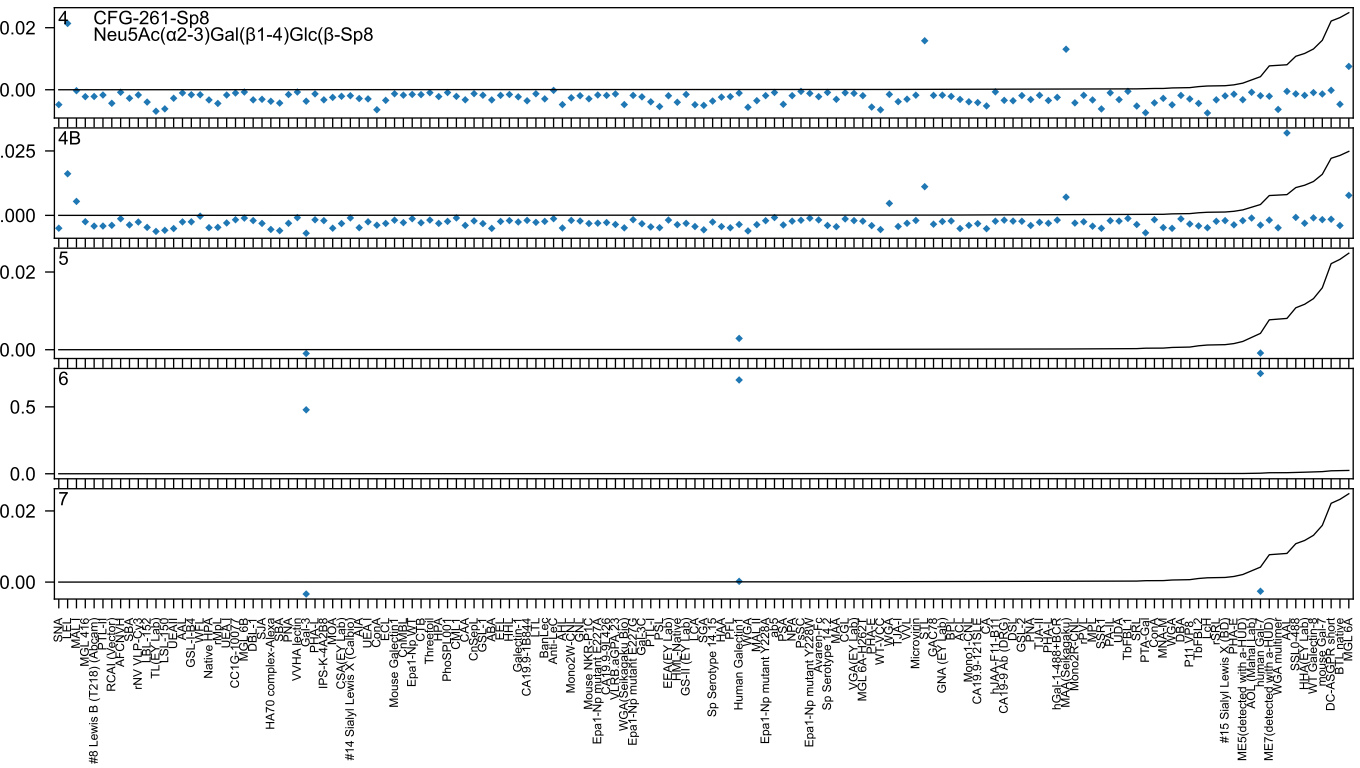

4
CFG-258-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.25
0.00
SNA
Micro2
IPS-K-4-X488
CA19-9 (1-326)
CA19.9-18644
HA70 complex-Alexa
MGL
AOL (Mahal Lab)
SSA
Native-PPA
TVL
UEA1
UEA-I
PSA
ABA
AEL
BPL
EEA(EY Lab)
Epa1-Np mutant E222A
Epa1-Np mutant E222G
Epa1-Np mutant S226D
PNA
CnSepl
DC-ASGPR Short
BTL (Native)
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
UEA-I (Lab)
LBL-152
VGA(EY Lab)
UEA
SJA
SNA
PHA-L
PHA-E
HHA(EY Lab)
GNA(EY Lab)
PTN
hJAA-F1-B11
HAA
HPA
LEL
GNL
GSL-A
CAA
PTA
Mono2-Crom
CSA(EY Lab)
Mono1-Crom
ASL
Gal-3
CGL
MIP
Mouse Galectin-1
AIA
ECL
UDA
GSL-I
BPL
NPA
MAL-I
MAL II
PHA-E
LCH
PSA
PSL
TJA-II
#8 Lewis B (T218) (Axorad)
CCIG-1007
WGA
Bat-C98
P1 (Vet8)
Sp Serotype 14-15
Mpm2-Ac-CNT
Epa1-Np
MPL
rNV VLP-C5
MGL-6A
MNA-M
HXL-Native
Alveolin
CA19-9 Ab (BrG)
Epa1-Np mutant E222G
GSL-2
CMTA
Sp Serotype 14-2
WT Galectin-8
LSL-T10
WFL
MGL 6A (EY Lab)
hGal-1-486-FLAG
TJA-I (EY Lab)
PVL
PsSc
Thymelin
VVHA-Iecin1
Pal-1
Mouse NKP-PTC
GS-II(EY Lab)
Galectin-1
Galectin-7
Amphi-C
DSL
RCA (Vector)
VGA mutant
WGA
human Galectin-7
Human Galectin-1
mouse Galectin-7
MEL(detected with β-HUR)
MEL(detected with β-HUR)
SSL-486
WGA(Seikagaku)
MAA(Seikagaku)
VGA
LEL

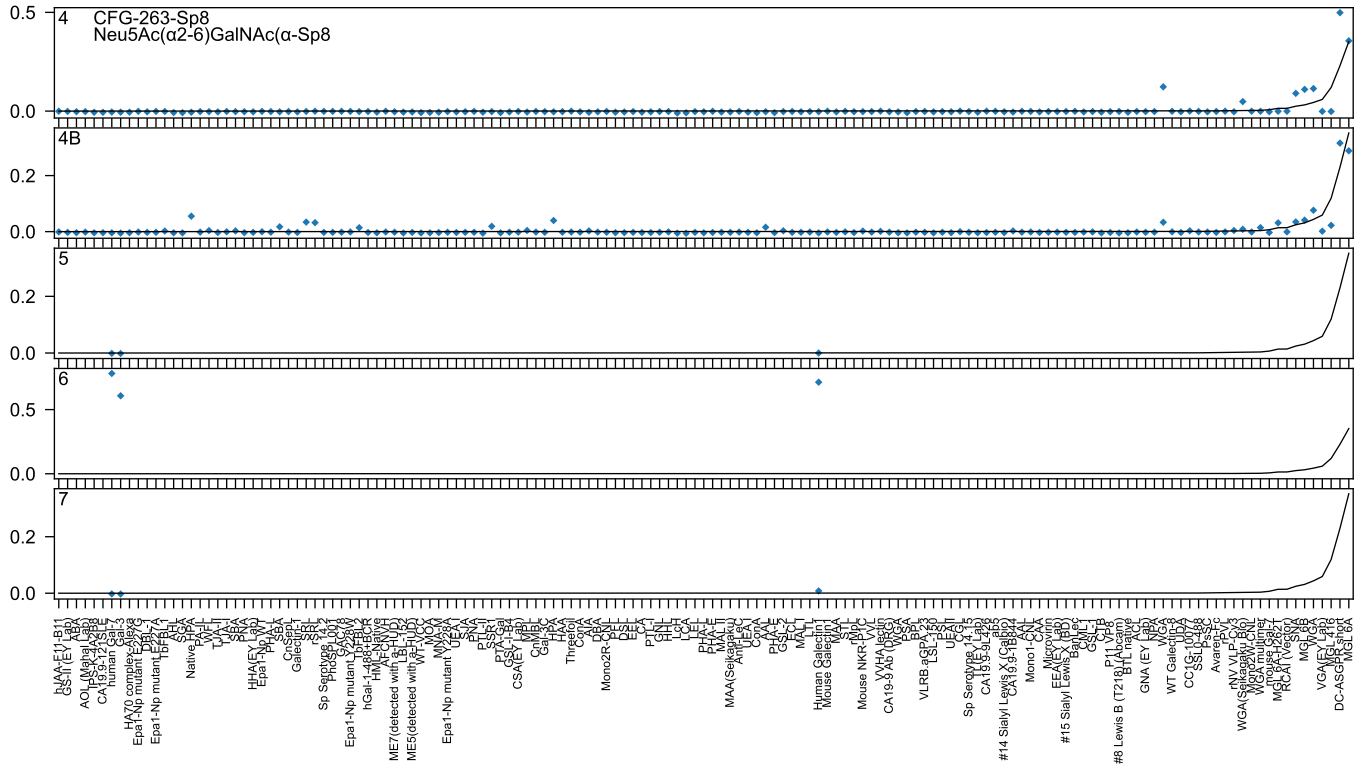

4
CFG-258-Sp8
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
BPL
HHA(EY Lab)
EEA(EY Lab)
Galectin-1
Mono2W-CRD
IPS-K-4-ABA
CA19.9-121SLE
CA19.9-1SLE
1B4
OGL
Ranulectin
VVH
HA70 complex-Alexa
MGL 6B
NMB
SGA
Native-PFA
WFL
WF
UEA II
PHA-L
LTA
PNA
CTB
Cholera
Epa1-Np 97
Epa1-Np mutant E221A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Bnos-F1001
CA19-9 Ab (SRG)
Avarep-Fc
Sialic
DC-ASGPR
BT (native)
BT (native)
VLRB.aGPA.23
VLRB.aGPA.23
ME7(detected with α2-HUD)
LBL
ME5(detected with α2-HUD)
WT
MNA
MOA
VGA(EY Lab)
SBA
MGL 6A-H2821
TJA-I
GSL-I-B4
CSA(EY Lab)
HPA
HAA
HEL
GNL
BS-I
GSL-I-A4
CGB
CFA
P11
VP8
Mono1-CRD
ACA
ACL
Thrombin
CTB
AAL
Mouse Galectin-9
EIC
CEA
UEA I
Anti-LEC
Mono2R-CRD
LCH
hJAA-F11
BT1
NPA
RCA I (Vector)
PHA-E
HAA-E
MAL II
PTL-I
Gal-1-L
Sp Serotype 14.2
SBA
CVN
hGal-1-488+PGCH
TL(EY Lab)
GAL
SJA
#8 Lewis B (T218) (Abcam)
[St-Ag]
PNGase
#14 Sialyl Lewis X (Calbiochem)
CC1G-10004
MGL 6A
HML
PHA-E
#15 Sialyl Lewis X (BD)
CA19.9
Miltenyi
Sp Serotype 14.1
PVR
NT Galectin-3
AOL (Mannan)
PSL
AFG
SSB1
SSL
MP
GNA (EY Lab)
Tn-PBP
EEL
human Galectin-7
BP
Mouse NKR-P1C
Tkn-PTC
Galectin-1
abs
PTA
Human Galectin-7
Mouse Galectin-7
WGA-488
SSA-488
rNV VLP-CRD
WGA
MGA
MAA(Sekagaki)
WGA(Sekagaki) Biotin
WGA
LEL

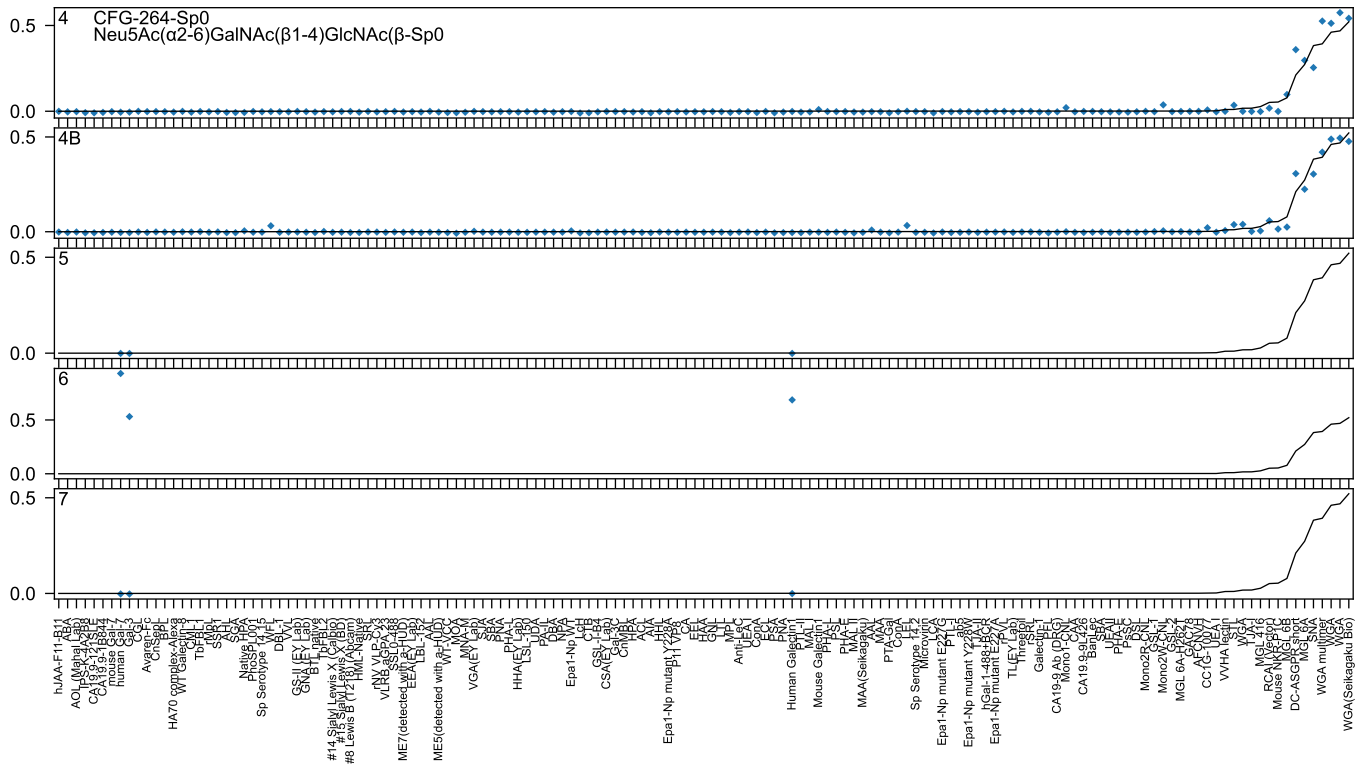

4
CFG-259-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
LCA
UEA1
PHA-L
PHA-E
SBA
VGA(EY Lab)
SBA
UEA1
MNA-M
MNA-N
RCAI (Vector)
PTL-I
PNA-Gal
PAL
PSL
PNA-T
MAL-I
VVL
PWM
PWM
HHA(EY Lab)
Gal-3
AOL (Mahal Lab)
Gal-3
VVLHA
MSL
MSL(EY Lab)
HA70 complex-Alexa
MGL-CA
MGL-CA
MGL-BB
GNA (TofBEV)
SNA
SNA
SNA
AAL
Native SPA
Native SPA
DBL-1
MPA
BPA-E
BPA-E
WT-CC
Mono1-CC
AVA
CA19-9 Ab (CRG)
Tn
Epa1-Np mutant
Epa1-Np mutant
Epa1-Np mutant E222Q
Epa1-Np mutant E227A
Epa1-Np
MPL
AAL
Mouse Galectin-8
Cn08
Cn08
ECA
UEA1
Mono2R-CC
Mono2R-CC
Sp Serotype 14-15
Sp Serotype 14-2
ME5(detected with a-HUD)
ME7(detected with a-HUD)
LCA
LCA
GSL-I-B4
LFA
CSA(EY Lab)
LFA
MAA
#8 Lewis B (T218) (Abcam)
GBA
GBA
#15 Sialyl Lewis X (BD)
GNL
GNL
Tn
Tn-Sphot
DC-ASGPR
ConA
ConA
HHL
HHL
IPSK-4
IPSK-4
MGL-CA-H2653
CA
CA19.9
GSL-29
CA
CA19.9
CGC-10077
CGC-10077
CA19.9-16844
CA19.9-16844
GAC
GAC
SSL
SSL
Epa1-Np mutant Y226A
LAA
LAA
CA19.9-12
hGal-1-488-BC5
hGal-1-488-BC5
PNA
PNA
SJA
SJA
EEA(EY Lab)
EEA(EY Lab)
MGL-416
MGL-416
hJAA-F
hJAA-F
WGA
WGA
VLRB.aGP.043
VLRB.aGP.043
WT Galectin-8
WT Galectin-8
GNA-I
GNA-I
SRL
SRL
#14 Sialyl Lewis X (Calbiochem)
NPA
NPA
BTL native
BTL native
TL(EY Lab)
TL(EY Lab)
AFCONA
AFCONA
LBL-152
LBL-152
Gal-3C
Gal-3C
Avarrhoitin
PSA
PSA
CNA
CNA
PPA
PPA
UDA
UDA
Mouse NKR-P1C
Mouse NKR-P1C
rNVJ
rNVJ
Galectin-3
Galectin-3
DSL
DSL
human Galectin-7
human Galectin-7
WGA mutant
CTB
CTB
SSL-188
SSL-188
Human Galectin-1
mouse Galectin-1
mouse Gal-7
mouse Gal-7
WGA(Seikagaku)
WGA(Seikagaku)
MAA(Seikagaku)
SEL
SEL
WGA

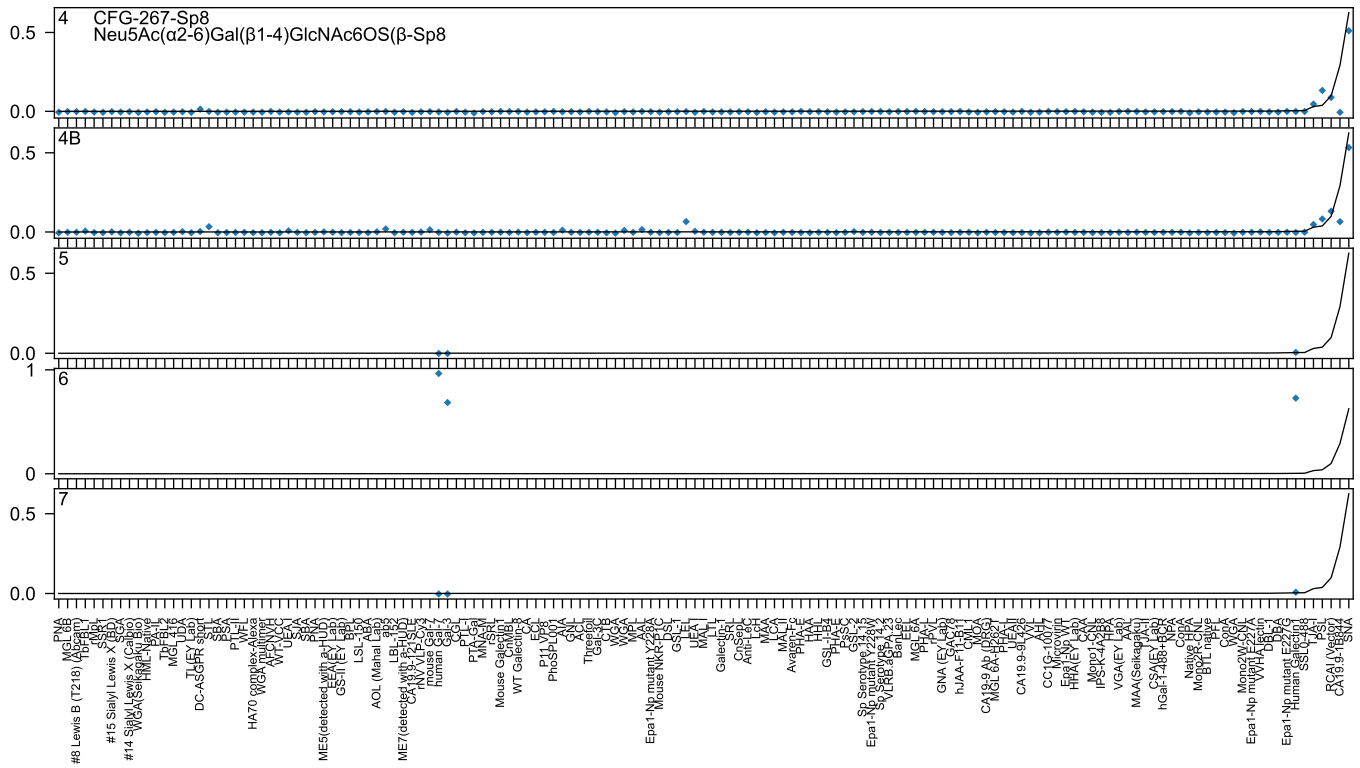

4
CFG-260-Sp0
Fuc(α1-2)Gal(β1-4)Glc6OS(β-Sp0
4B
5
6
7
0.5
0.0
SNA
VVA
ABA
ABG
GSL-I-B4
SSA
SEL
MAL
MAL II
WFA
AAL
#8 Lewis B (T218) (Abram)
ELA(EY Lab)
PHA-L
UEA
WGA(Seikagaku Bio)
RCA(Vector)
PNA
SBA
SSA
STL
HHA(EY Lab)
GNA(EY Lab)
UDA
DSA
DSL
ASP
ASP-001
Phaseolus
Sp Serotype 14-2
IPS-K-4-V288
Mouse IgG-Alexa
HA70 complex-Alexa
DC-ASGPR-CNT
MGL-CNT
PEL
PSA
WGA multivalent
CA
CVNA
CNA
#15 Sialyl Lewis X (BD)
GNL
TJA-I
TJA-II
Microvirin
Mouse NK(B6)-FITC
Gal-3C
Tyrosol
GRA-78
Galectin-8
BSL
CA19-9-47
human IgG-BCE
Sp Serotype 14-13
Mono2W-CNT
SRL
CSA(EY Lab)
Gal-3
Mono1-CNT
SGA
MAL I
Epa1-Np mutant V228A
MGL
NEA
VLRB aGPA-93
VLRB aGPC-93
CA19-9 Ab-FITC
UEA I
TL(EY Lab)
SSL1
MGL 6A-H
GSL-I
VGA(EY Lab)
BanLec
HML-Nova
WGA
CnSepD
WGA
HHL
#14 Sialyl Lewis X (Calbiochem)
Native HPA
CVN
CVNA
PTA-Gal
CA19-9-1B244
CA19-9-B426
PA-IL
Tn-FITC
BtFAC
Epa1-Np
AVL
PSSC
Epa1-Np mutant E256K
PNA
PVL
Avarrhin
GS-I(EY Lab)
rNV VLP-Alx3
hJAA-F11-Bt1
Epa1-Np mutant Y286A
p11 VP8
EPC
WT Galectin-8
Epa1-Np mutant E256G
CGL
Galectin-T
Amitrosic
CCL2-Alexa
BtT native
AHL
Human Galectin-9
SSL0-488
CTB
PCL
DSL-1
ME5(detected with a-HUD)
ME7(detected with a-HUD)
MAA(Seikagaku)
human Gal-7
VVHA
Jacalin
AOL(Mouse Gal-7)
Tn-PBL1
UDA
EAA
UEA1

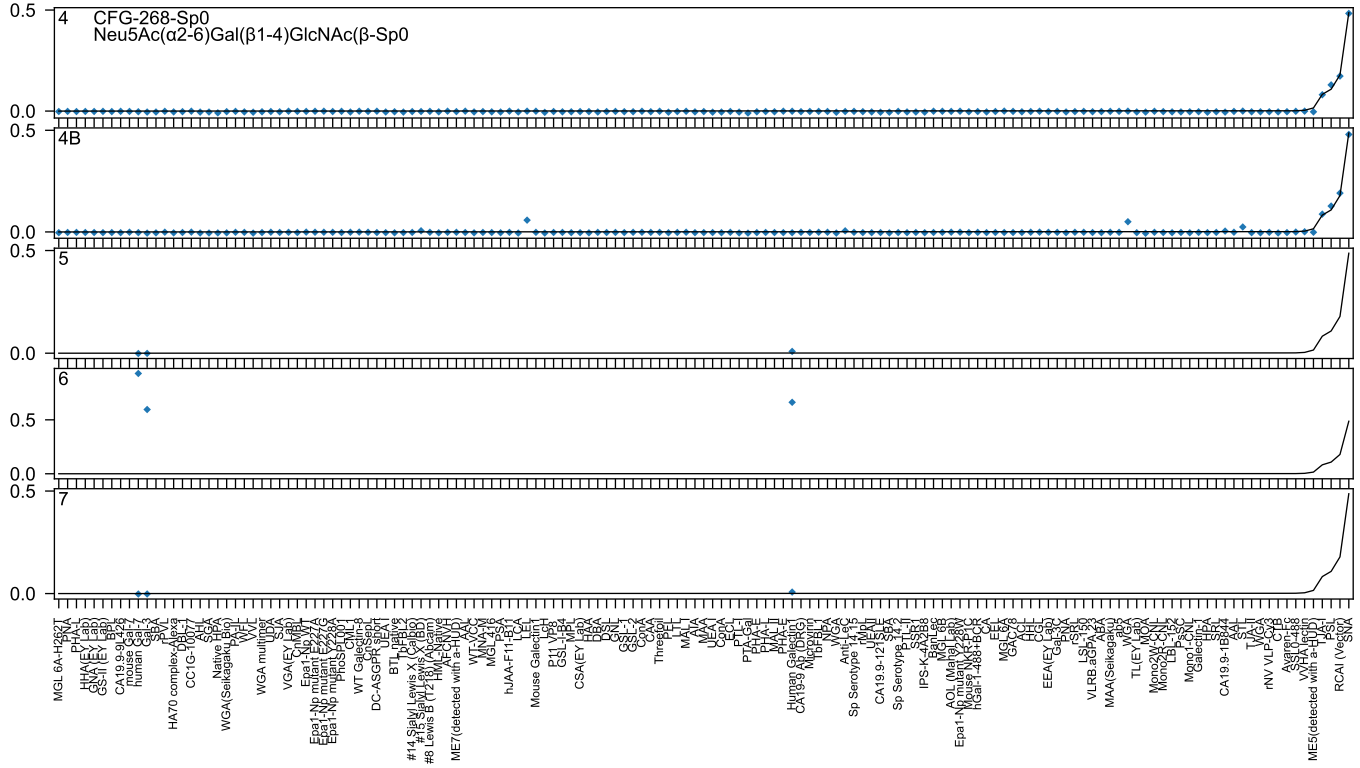

4
CFG-261-Sp0
Neu5Ac(α2-3)Gal(β1-4)Glc(β-Sp0
0.05
0.00
4B
.025
.000
5
.025
.000
6
0.5
0.0
7
.025
.000
SNA
DSL
DSG
HPA
CSA(EY Lab)
CCIG
UEA1
MAA
GNL
EEA(EY Lab)
PTL-I
WGA
PA (BEVI Lab)
ME5(detected with a-Fucose)
LEA
PTL-II
VVHA
Bolt
SBA
SNA
LBL-152
Mouse Galectin-1
Epa1-Np mutant E222G
EAA
Epa1-Np mutant Y228W
abx
CanA
Threepol
A
PhoSPL001
Anti-Tn-BS
IPS-Antibs
P11-Vp8
CA19-9 Ab (DRG)
UCA
Human Galectin1
HA70 complex-Alexa
HMC
CCL1
#14 Sialyl Lewis X (Calbio)
PVL
PNA
Bam
HAE
VAE
Epa1-Np WT
CA19.9 Gal-4
Mouse NKR-P1C
#15 Sialyl Lewis X (BD)
Sp Serotype 14.2
Sp Serotype 14.1
PHA-E
PSA-E
UDA
Epa1-Np mutant E222A
SBA
Epa1-Np mutant Y228A
SBA
SRL
#8 Lewis B (T218) (Abcam)
GS-II (EY Lab)
STL
AOL (Matsu Lab)
WGA(Seikagaku)
CGA
Tbt
BUT
rsnA
PCL
LEL
DC-ASGPR (R&D)
Mouse Galectin-1
Mouse Galectin-9
CA19.9-9
NGA
hGal-1 481-1
hGal-1 481-2
MGL 84-1
MGL 84-2
CA19.9 Mouse
MGL 84-3
GAC78
sSIA
sSIB
HPA
GLA
Mono1-CNL
CnLec
RCAI (Vector)
PHA-L
AAL
Native HA
Avian-Fc
HA(EY Lab)
HA(EY Lab)
GNA (EY Lab)
MEL
SA-Gp
PNA
PL-CNL
Mono2-CNL
Mono3-CNL
Gal-3
MVL
MNA
DSL-1
WT-Vp8
Galectin
ME7(detected with a-Fucose)
LGI
VLRB.aGRP
WGA
WGA
NGA
VVL
Galectin-1
human Gal-7
WT Galectin-8
SSLGHB
BTL naive
mouse Galectin-1
MAL
MAA(Seikagaku)

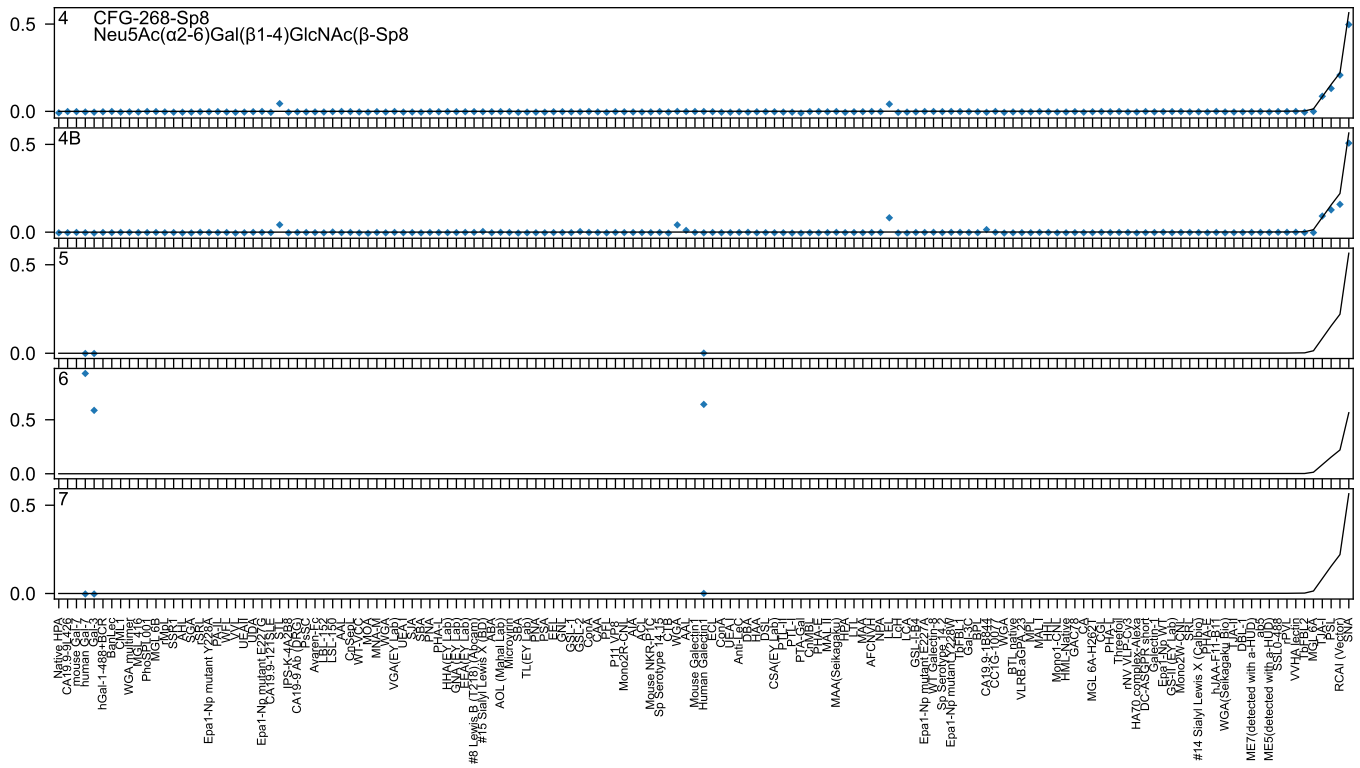

4
CFG-261-Sp8
Neu5Ac(α2-3)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.02
0.00
.025
.000
0.5
0.0
SNA
SNA-I
MAL I
MAL II
#8 Lewis B (T218) (Vacam)
VVL-I
RCA (Vector)
APC(Vector)
rNV VLP
SBA
TL-I
TL-II (Lab)
LS-I (Lab)
UEA-I
GSL-I-B4
Native WFA
MPL
CC1G-10057
MGL 68
DSL
SJA
HA70 complex-Alexa
PNA
VVHA (Lab)
PTA
IPS-K-4-MOS
CSA(EY Lab)
#14 Sialyl Lewis X (Lab)
AIA
UEA-I
ECL
Mouse Galectin-1
Epa1-Np WT
Threonin
PhoSPL
TIA
CWLC1
CaA
CpGSC1
GSL-I
ABA
FHL
Galectin-7
CA19-18844
LTL
Ban-LeC
Anti-LeC
Mono2W-GNL
Mouse NKR
Epa1-Np mutant E227A
CA19-9-3A428
WGA(Seikagaku Biio)
Epa1-Np mutant E227Q
PHL-I
EEA(EY Lab)
EEA(EY Lab)
GS-II (EY Native)
LEA
SSA
Sp Serotype 3
HAA
Human Galectin-1
WGA
Epa1-Np mutant V228A
ABO
NPA
Epa1-Np mutant Y228W
Avarem-LS
Sp Serotype 14
MAA
CGL
VGA(EY Lab)
MGL 6A-H2821
PNA-CE
WFA-CE
WGA
VVL
Microvirin
GAC78
GNA (EY Lab)
ACL
Mouse Galectin-9
CA19-9-21SLE
AAA
CA19-9-F11-EA
CA19-9-A6 (DSG)
DSL
GNA
PNA
PNA-I
hGal-1-488+BCR
MAL(Seikagaku)
Mouse NKR
PPL
SSA-I
PAA
TbFBL-1
SGA
PTA
CoVA
MVA
WGA
ORA
P11
TbFBL-2
CSA
#15 Sialyl Lewis X (BD)
CSB
ME5(detected with a-HOD)
AOL (Matsu Lab)
ME7(detected with a-HOD)
WGA multimer
SSL9-488
HPA
Galectin-1
Mouse Gal-7
DC-ASGPR
BTL native
MGL 6A

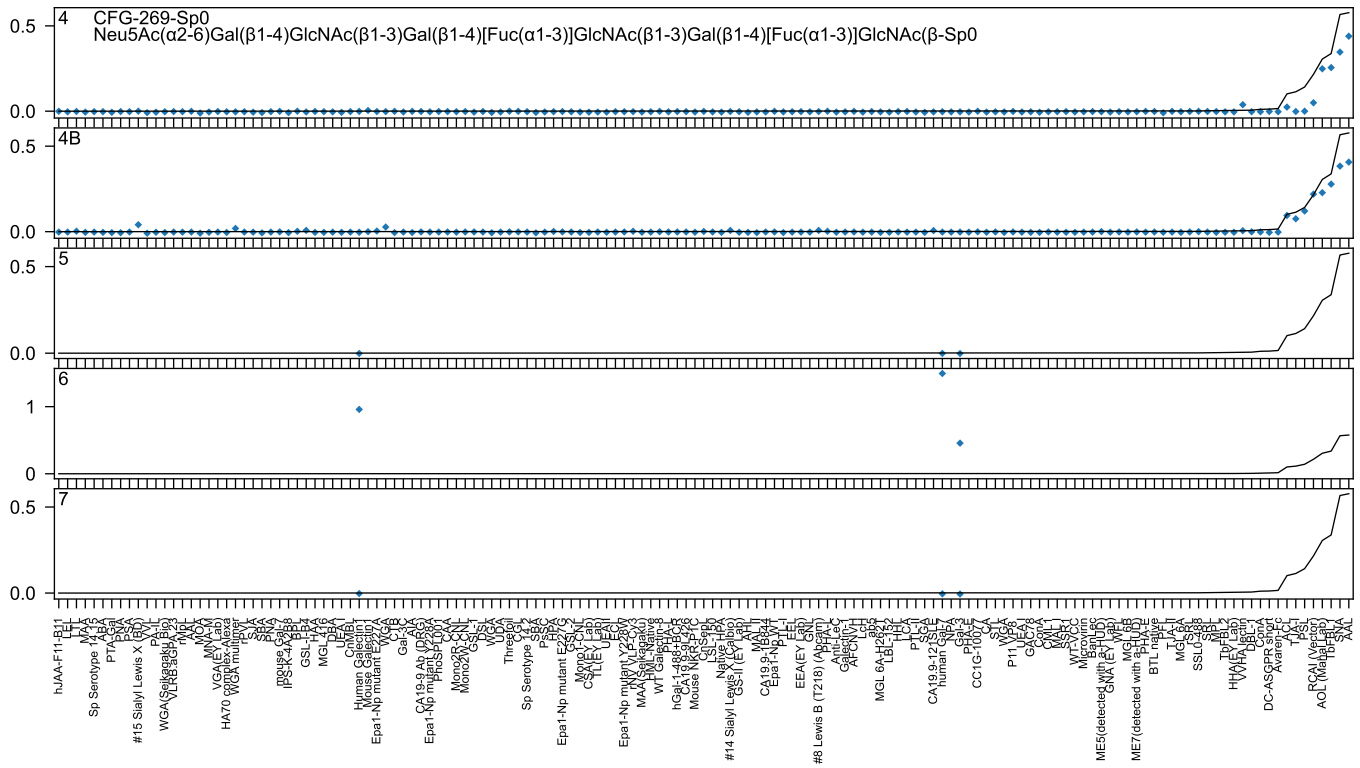

4
CFG-263-Sp8
Neu5Ac(α2-6)GalNAc(α-Sp8
4B
5
6
7
0.5
0.2
0.0

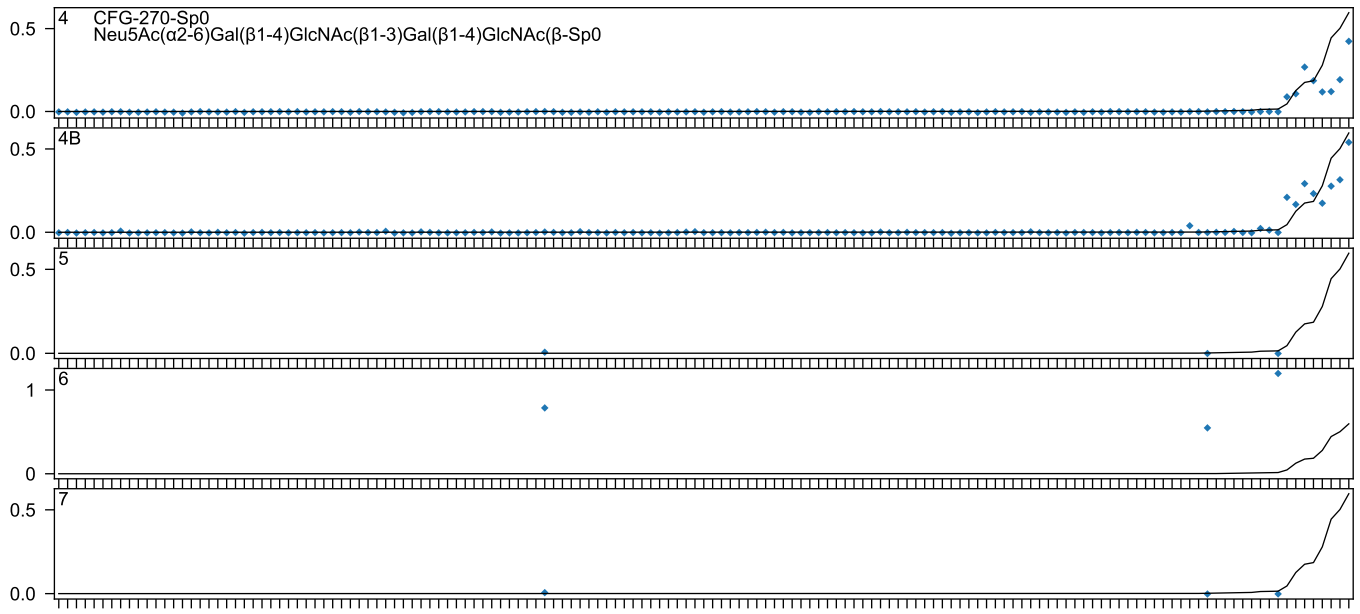

4
CFG-264-Sp0
Neu5Ac(α2-6)GalNAc(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11
BA
AOL (Mahal Lab)
CA19-9-1
CA19-9-12
CA19-9-18
human
Gal-7
Gal-3
Avidin-Fc
Chicken
BPL
HA70 complex-Alexa
WT Galectin-1
TbRL1
SSA1
SCA
ACA
Native HPA
Native PNA
Sp Serotype 14-15
WFL
DSL
VVL
GSII (EY Lab)
GNL
BTL native
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (BD)
#9 Lewis B (12-126)
HML-Native
SNA
NV VLP
vLRB-gp23
SSL-HUD
ME7(detected with α-HUD)
EEA(EY Lab)
LBL
AAL
ME5(detected with α-HUD)
WFA
MOA
VGA(EY Lab)
VGA
SBA
PNA
PHA-L
HHA(EY Lab)
TSL (Lab)
UDA
DBA
PHA-E
Epa1-Np WT
Lch
CSA(EY Lab)
GSL I-B4
CrmB
ABA
AIA
Epa1-Np mutant Y228A
P11 VP8
EEL
GNA
NPL
MJL
MpC
Anti-Human IgG
UEA1
CPA
PSA
PSL
Human Galectin1
MAL
Mouse Galectin1
PTL
PSL
PHA-E
MAA(Seikagaku)
MAL
MAA
PTA-Gal
CPA
Sp Serotype 1-4,12
Sp Serotype 14-23
Microvipa
Epa1-Np mutant E271G
Epa1-Np mutant Y228W
abs
Epa1-Np mutant Y228A
hGal-1498-BCR
Epa1-Np mutant E271A
TL-EY Lab
TL (Lab)
Thrsp
Galectin-1
Galectin-3
CA19-9 Ab (DRG)
Mono1-CAL
CA19-9-L426
BanSA
BPL
PHA-L
PHA-E
PsaC
Mono2R-DSL
Mono2(7)-GSL
GSL-1
MGL 6A-B2621
ACONA
CCTG-1D6A1
VVHA lectin
WGA
VGA
MGL-1A1
RCA (Vector)
Mouse NK-TEP 86
DC-ASGPR short
MGL
SNA
WGA mutter
WGA
WGA(Seikagaku, Bio)

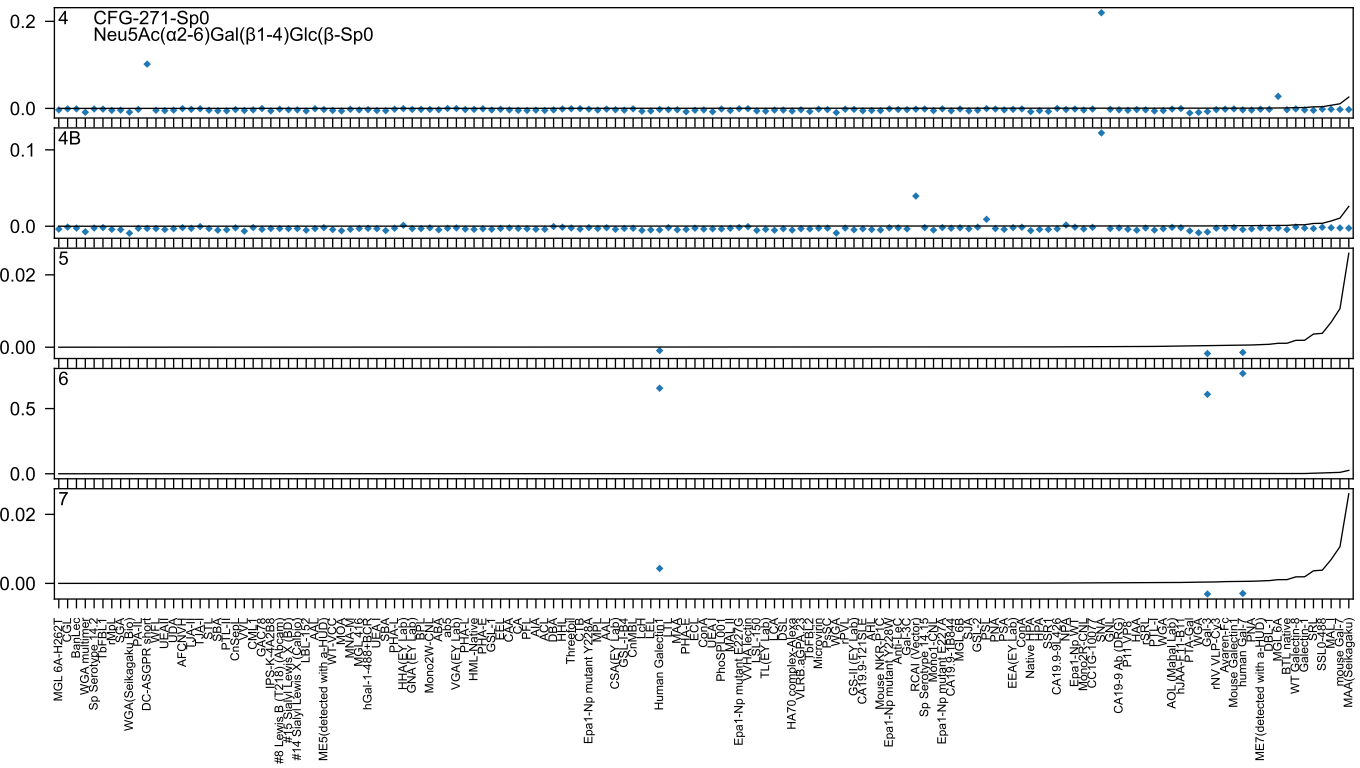

4
CFG-267-Sp8
Neu5Ac(α2-6)Gal(β1-4)GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
PNA
MGL 1B
#8 Lewis B (T218) (Abram)
Tn (Apo)
#15 Sialyl Lewis X (SGA)
#14 Sialyl Lewis X (Carbio)
WGA(Seikagaku)
HMM-Native
MGL 1A
TF (Lab)
TJ-LEY (Lab)
DC-ASGPR stript
SBA
PTA
WFL
HA70 complex-Alexa
WGA mutant
ACNV(E)
UEA1
SSA
PNA
ME5(detected with EY Lab)
GS-II(EY Lab)
LSL-150
AOL (Mahal Lab)
ME7(detected with EY Lab)
CA19.9-(2SLE
mouse Gal-7
human Gal-7
Gal-1
Gal-3
PTA-Gal
MMA(M)
Mouse Galectin-1
CnMBL
WT Galectin-3
P11
PhoSPL001
GNA
ACL
Thrombomodulin
Galectin-8
CTB
WGA
MPL
Epa1-Np mutant Y228A
Mouse NKR-P1
DSL
GSL-I
UEA1
MAL
Galectin-1
CnSerpB
Anti-Lec
MCA
MAL
MAL(Seikagaku)
Avagen-Fc
PHA-E
PHA-L
HPA
GSL-I-A4B4
PhA-E
PsSc
Sp Serotype-33-15
Epa1-Np mutant Y228W
Sp Serotype-23
VLRB aCPA 23
BaLEC
MGL 6A
PHA-L
PVL
GNA (EY Lab)
hJAA-F11-811
CMX
CA19.9 Ab (PRSG)
MGL 6A (PRSG)
BP27
CA19.9-SLEA
VVL
CC1G-1007
Microvilin
HRA(EY Lab)
HRA(EY Lab)
CAA
Mono1-CNL
iPSK-4A288
VGA(EY Lab)
HPA
AAL
MAA(Seikagaku)
CSA(EY Lab)
hGal-1-488-Fc
NPA
Native CNL
CgbA
Mono2R-CNL
BYL native
CgbA
CgbA
Mono2W-CNL
Epa1-Np mutant E227A
VVHA
DBL1
Epa1-Np mutant E226A
Human Galectin-1
SSL2-488
PSL
RCA(Vector)
CA19.9-TBG12
SNA

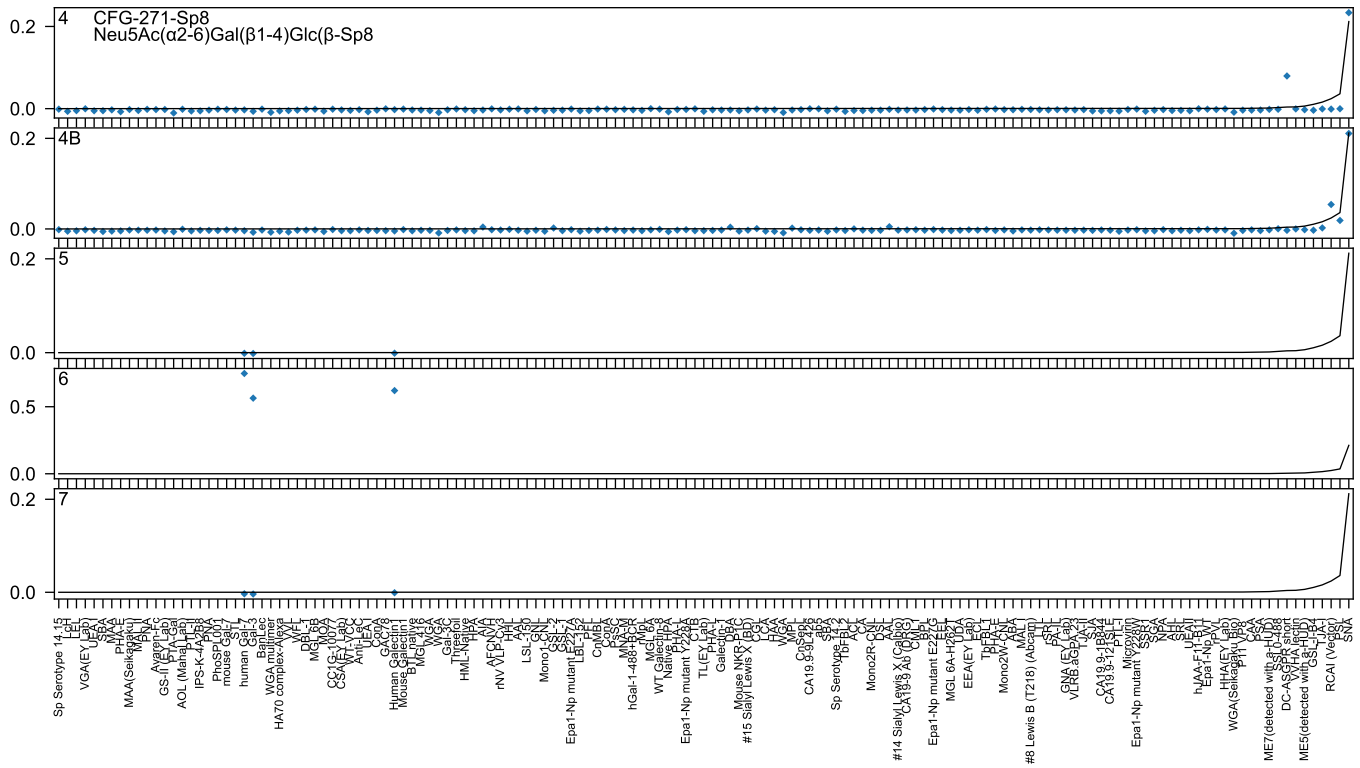

4
CFG-268-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
MGL 6A-H(297)
SNA
PHAL
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
CA19.9-L428
mouse Gal-7
human Gal-7
Gal-3
PVA
HA70 complex-Alexa
CC1G-T0077
ASA
ASA
Native HPA
WGA(Seikagaku Lab)
WFL
WGA multimer
UDA
STA
VGA(EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E226A
Epa1-Np mutant E226Q
phoS-PLD1
WT Galectin-8
DC-ASGPR Sep1
UEA1
BTL
BTL-Dye3
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
#8 Lewis B (Calbio)
HMA(Native)
ME7(detected with a-HUD)
WT-PAC
MNA-N
MGL-PSA
hJAA-F11-B11
LEL
Mouse Galectin1
P11 Vp8
GSL-I-B4
CSA(EY Lab)
WBA
BPA
DSL
GSL-I
GSL-2
CAA
Threo-BPL
PTL
MALT
AIA
UEA1
UMA
CGA
PTL-I
PTA-Gal
PTA-T
PTA-E
MAL II
MAL-E
Human Galectin1
CA19.9 Ab (DRG)
MPA
HPBPL
WGA
VVA
Anti-Leg
Sp Serotype 1 (Mp)
Sp Serotype 14
SPA
CA19.9-12-15-A
Sp Serotype 14-7
SSB1
SSB3
IPS-KA
Bam-Leg
MGL-6B
AOL (Mp) Y-289V
Epa1-Np mutant Y-289V
Mouse
hCar1 14B3-B-C-B
ECA
EEA
MGL
GAC78
LHL
LHL
EEA(EY Lab)
Gal-3C
Gal-3A
rSA
LsL-159
VLRB.aGP
ABA
MAA(Seikagaku)
WGA
TL(EY Lab)
Mono2A-CNN
Mono2A-CNN
Mono2A-CNN
Mono2A-CNN
Mono2A-CNN
Galectin-1
PSA
Mono2A-CNN
Galectin-1
HPA
CA19.9-1B-44
SJL
SJL
TAC II
rNV VLP-Cy3
CTB
Agaro-488
SSL2-488
VHA (EY Lab)
ME5(detected with T-HUD)
LAG1
RCAI (Vector)
SNA

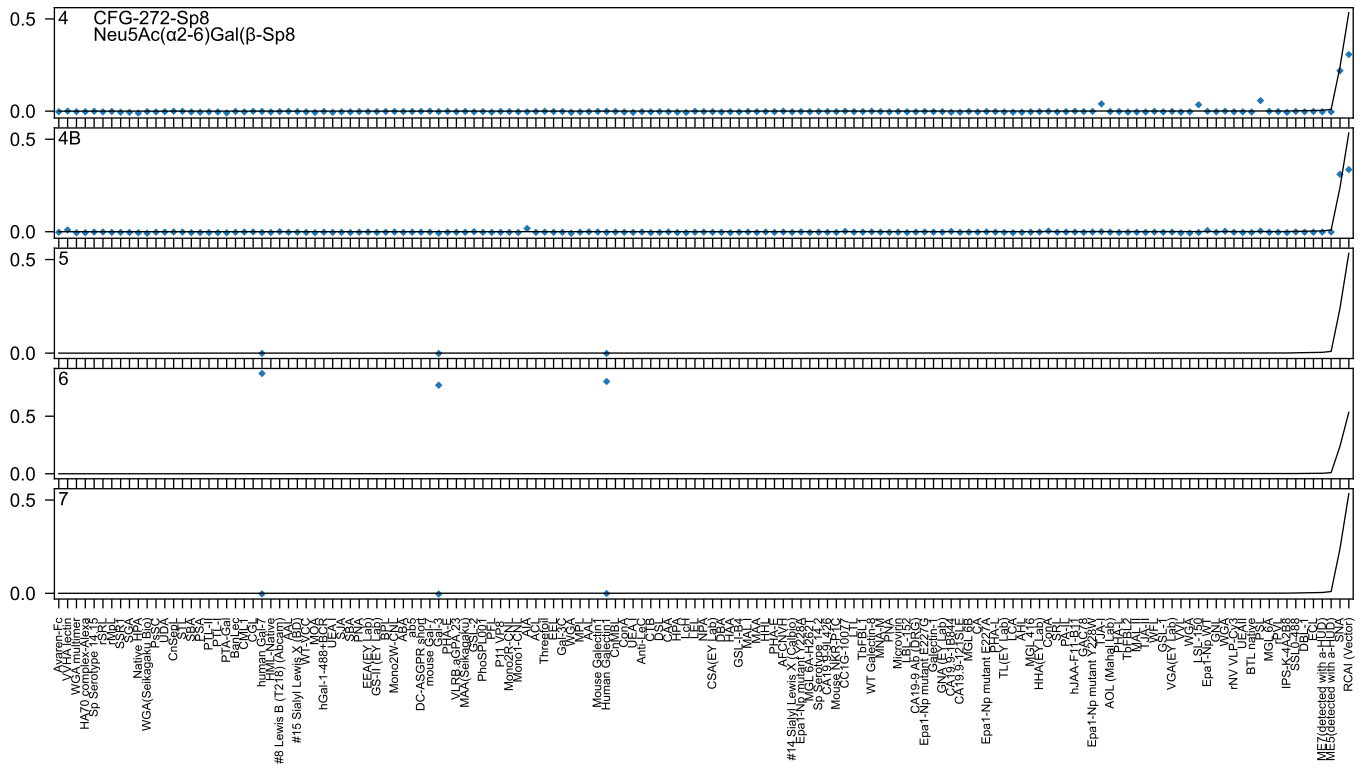

4
CFG-268-Sp8
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
Nptx2 HPA
CA19.9 126
mouse Gal-7
human Gal-7
Gal-3
hGal-1-488+BCR
BaMCT
WGA multimer
PhoSL001
MGL 1B
SSR1
SGA
Epa1-Np mutant Y258A
PAL1
WT
UEA1
Epa1-Np mutant E229G
CA19.9-121SLE
IPS-K-4A288
CA19.9 Ab (PSG)
Avaro-Ec
LSL-150
#8 Lewis B (LTEA) (Lab)
#15 Sialyl Lewis X (BD)
AOL (Mahal Lab)
Microgen
TL(EY Lab)
PNA
EEL
SNT
GSL-2
CGA
VFF
P11
Mono2R-CNL
AIA
Mouse NKR-P1C
Sp Serotype 14-18
VGA
Mouse Galectin1
Human Galectin1
CGA
Anti-PEA
DBA
DSA
CSA(EY Lab)
PTL-I
PCA(Mahal Lab)
PHA-E
MAA(Seikagaku)
RCA
MAA
AFCNA
LEL
LCA
GSL-I B4
Epa1-Np mutant R271A
Sp Serotype 14-17
Epa1-Np mutant D258A
IgFBL1
Galectin8
CA19.9-18844
CCTG-18844
WGA
VLRB.aGPC
PTL-II
MPL
MAL1
Mono1-CNL
HMLec-1
GNA
MGL 6A-H2-CGL
PHA-L
TJA-I
nNV VLP-CV3
HA70 CASB-Alexa
DC-SIGN-Alexa
Galectin-1
EPA (EY Lab)
Mono2W-CNL
#14 Sialyl Lewis X (Calbiq)
WGA(Seikagaku Bio)
hJAA-F11-B-T
DBA-I
ME7(detected with a-HUD)
ME5(detected with a-HUD)
SSL-Lab88
VVHA lectin
MGL 1A
PAT
RCAI (Vector)
SNA

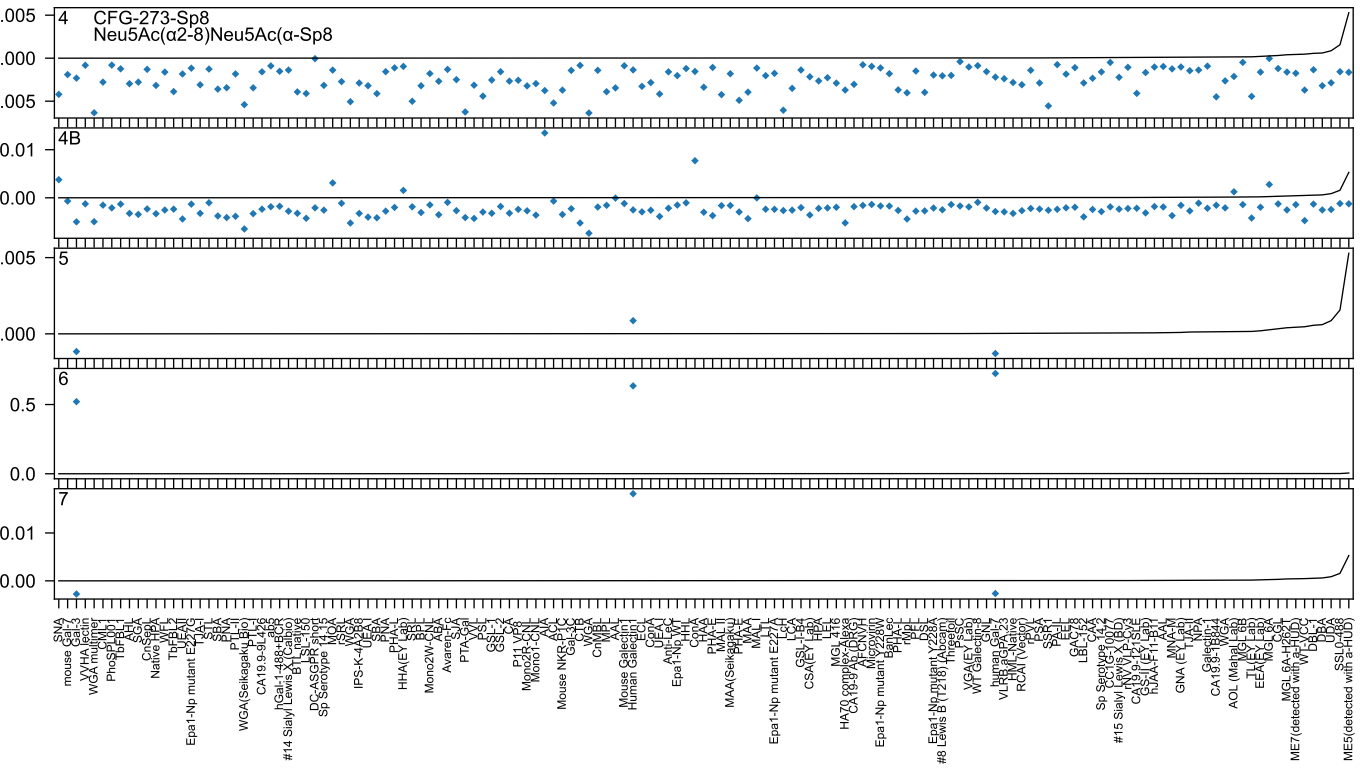

4
CFG-269-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
TIT
MAL
Sp Serotype 14 25
ABA
PTA
PNA
#15 Sialyl Lewis X (EEA)
VVL
P
WGA(Seikagaku Brand)
VLRB aGP
AAL
MOA
MNA
VGA(EY Lab)
HA70 (Calbiochem-Alexa 488)
WGA(mutant)
PSA
SBA
PNA
mouse IgG
iPS-K4-A2B8
GSL-I-B4
HAA
MGL
DBA
UEA
CoA
Human Galectin1
Mouse Galectin1
Epa1-Np mutant Y228W
WGA
Gal-1B
AIA
CA19-9 Ab (V229A)
Epa1-Np mutant V229A
iPhoS-PT001
Mono2R-CNL
Mono2Y-CNL
GNA
DSL
VGA
VVL
Threspin
Sp Serotype 14 22
SBA
PNA
HPA
Epa1-Np mutant E232Y S
Mono1-CNL
CA19-9(EY Lab)
UEA
AAL
Epa1-Np mutant Y228W
Epa1-Np mutant Y229A
MAA(Vector Lab)
PNL-Naive
WT Gal1-B
BSA-B
hGal-1488-B08
CA19-9 Ab
Mouse Nkp2-PTC
LsiSep
Native HPA
Native HPA
DSA (EY Lab)
#14 Sialyl Lewis X (EY Lab)
AIA
MAL
CA19.9 1B244
Epa1-Np
PVT
EEL
EEA(EY Lab)
#8 Lewis B (T218) (Abcam)
Anti-PsC
Galectin-1
APCGN-1
LCI
MGL 6A-H2-B52
LBL-152
HPA
PTL-I
CA19-9 12 SCE
human Gal-7
Gal-3
CC1G-T00-7
CA
WGA
P11 VE8
GAC78
CoA
MAL
WTSCC
Microvirin
ME5(detected with a-HUD)
GNA (EY Lab)
MGL 6B
ME7(detected with a-HAD)
BTL naive
TJ-II
TJ-I
MGL 6A
SSL0488
SBA
TryFBL2
TryFBL1 (Lab)
HH70 (Lab)
DBL-1
DC-ASGPR short
Avarin-Fc
TJ-II
TJ-I
RCAI (Vector)
AOL (Malaa Lab)
Ibe
SNA
AAL

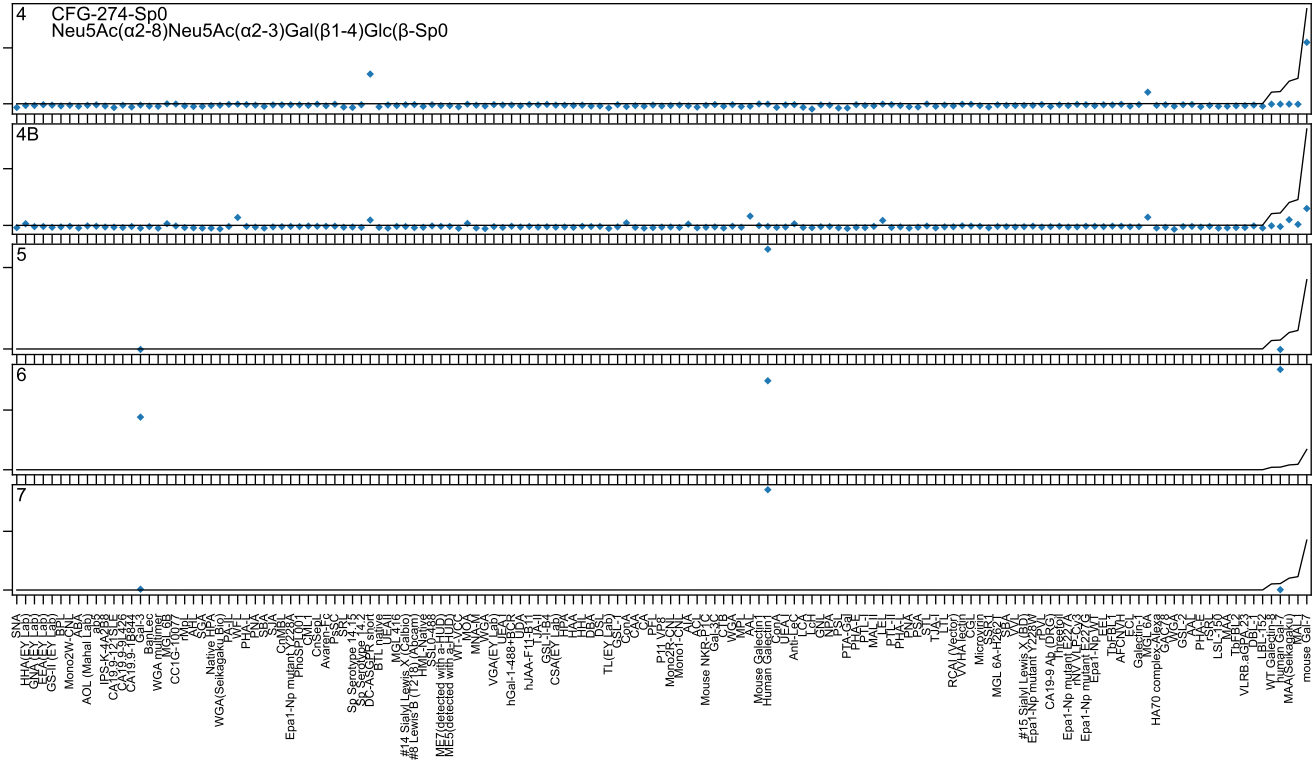

4
CFG-270-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H(26)
VVL
VVA
ME7(detected with a-HUD)
#8 Lewis B (T2 TB)
#15 Sialyl Lewis X (TBD)
#14 Sialyl Lewis X (Gallo)
PTL
PTL-I
TPEB(2)
MAL-I
ME5(detected with a-HUD)
WGA(Seikagaku)
SGA
AOL (Mahal Lab)
Mono2W-ABA
BPL
GNA(EY Lab)
PHA-L
HA70 complex
WGA(Vector)
PNA
CC1G-10077
UEA
Native WGA
IPS-K-4A258
MAL
PhoSPLOW
Mono1-OVA
AIA
Epa1-Np mutant Y228W
Thrombin
Epa1-Np mutant E221G
WGA
CnMBL
Mouse Galectin-1
Human Galectin-1
ECL
UEA-I
Ant-LEC
OAA
MLA
CA
Conn
THL
ACA
GAL
DC-ASGPR spot
CSA(EY Lab)
CAA
SSA
SSL
DBA
GSL
Avaspr-F3
THF
CPA
PHA-E
Epa1-Np
Sp Serotype 14-2
CA19.9(EY Lab)
hNAA-E1-B11
EEA(EY Lab)
Epa1-Np mutant Y228A
CA19.9-9L428
HPA
WT Galectin-3
GNA(EY Lab)
ABL
rNV-VP1
WGL-68
Sp Serotype 14-13
Epa1-Np mutant E221G
VLRB.aGPA.23
Microryn
BTL naive
LBL-192
Monoclonal
CA19.9-18B42
GSL-I
GSL-I-B4
hGal-1-488+BCB
EPA
Mouse NKR-SBA
SBA
BF-OVA
PA-I
WGA
WT-VCC
Galectin-1
CA19.9 Ab (MRG)
OCA (Vector)
MAA(Seikagaku)
Gal-2
SSL-488
VVHA (Vector)
DBL-1
mouse IgM
humanGal-7
SJA-I
RCAI (Vector)
VVL
SNA

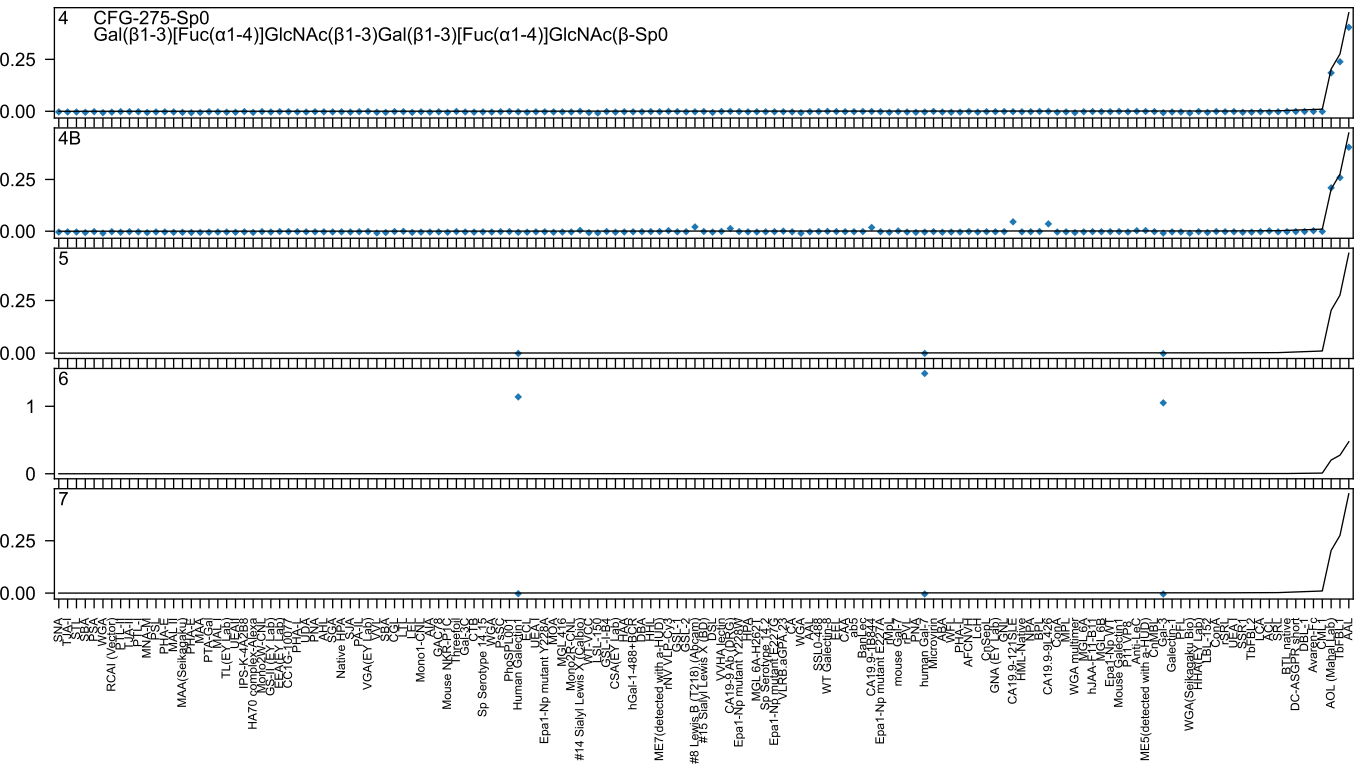

4
CFG-271-Sp0
Neu5Ac(α2-6)Gal(β1-4)Glc(β-Sp0
0.2
0.0
4B
0.1
0.0
5
0.02
0.00
6
0.5
0.0
7
0.02
0.00
MGL 6A-H2627
CGL
BanLec
WGA mutant Y95F
Sp Serovar Typhi
TBFRL1
SGA
WGA(Seikagaku)
Lectin
DC-ASGPR sol
UEA1
UDA
AFGN-1
DAA-1
TJA-I
SBA
PNA
CnSerpB
WT
GNA
GAL4
IPS-K-4A288
#8 Lewis B (TB)
#13 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Lab)
ME5(detected with a-Fc)
AAL
WGA(VC)
MOA
MGL 4A18
MGL 4H8
hGal-1-488-HEK
LEL
SBA
PTA-Lab
HHA(EY Lab)
GNA(EY Lab)
Mono2W-ONL
ABA
ABA
VGA(EY Lab)
HHA-e
HML-HHA-E
PTA-E
SEL
CAA
PCL
AAL
DBA
VVA
Threefoil
CTB
Epa1-Np mutant Y229A
KIM
CSA(EY Lab)
GSL-I B4
ChMH
LEL
Human Galectin
PNA
MAA
PHA-E
ECL
CGA
PhoSPLD1
Epa1-Np mutant M221G
VVA(Vector)
TL(EY Lab)
DSA
HA70 complex-Alexa
VLRB aCEP2
Microvirus
WGA
PVL
GSL-II(EY Lab)
CA19.9-T21 sol
Mouse NKR-P1C
Epa1-Np mutant Y229AV
Gal-8C
RCAI (Vector)
Sp Serovar Typhi
MOMP-1
Epa1-Np mutant E224A
CA19.9 Ab
MGL 6B
GSL-I
PSL
PSA
EEA(EY Lab)
Native HPA
SEA
CA19.9-8.1 428
Epa1-Np WT
Mono2P-ONL
CCTG-1-SNA
CA19-9 Ab (CVB)
PNA
PHA-L
AOL (Maba Lab)
hJAA-F11-B11
PTA-Lab
WGA
rNV VP-3
Mouse Galectin-7
Ayaren-Fc
ME7(detected with a-Fc)
DBL(T)
MGL 6A
RCA
WT Galectin-8
Galectin-1
SSL-0488
mouse Gal-7
MAA(Seikagaku)

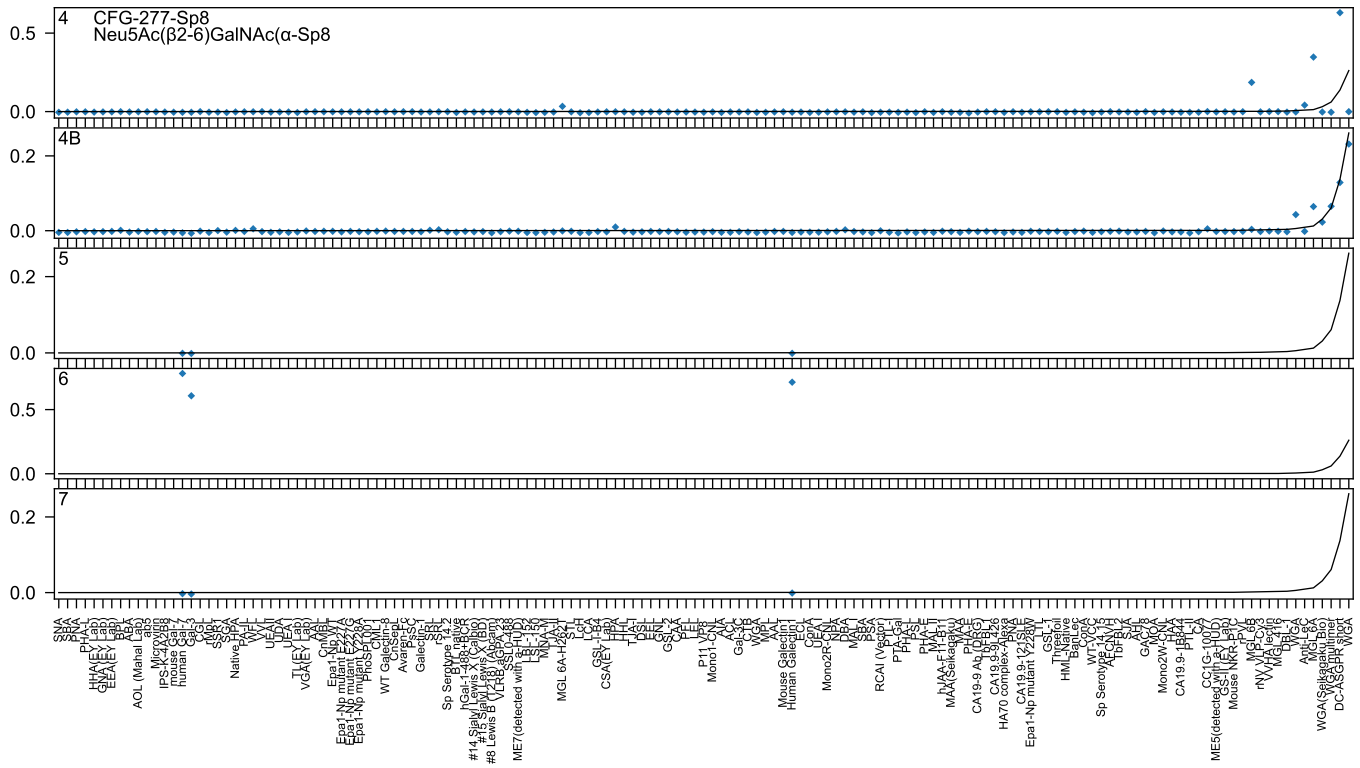

4
CFG-271-Sp8
Neu5Ac(α2-6)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.2
0.5
0.0
Sp Serotype 14-15
LEL
VGA(EY Lab)
SBA
PHA-E
MAA(Seikagaku)
WGA
GS-I(EY Lab)
PTA-Gal
AOL (Marine Lab)
IPS-K-A
PhoSP-L001
mouse Gal-7
human Gal-7
Bacillus
WGA multimer
HA70 complex-Vaxil
DBA
MGL-8B
CC1G-1-0004
CSA(EY Lab)
Anti-LeC
UEA
GAC78
Human Galectin1
Mouse Galectin1
BT-Native
MGL-6A
WGA
Gal-1
Threefoil
HML-Neuraminidase
AVA
AFO
nNV VLP-CV3
HIA
LSL-260
GNL
Mono1-E2
GSL-2
Epa1-Np mutant E227A
LBL-152
CnMBL
CgGA
MVA-M
hGal-1-488-Pro
MGL-6A
WT Galectin-1
Native HPA
Epa1-Np mutant Y224A
CTB
TL(EY Lab)
Galectin-1
Mouse NKR-P1A
#15 Sialyl Lewis X (Biotin)
LCA
VVA
WGA
MPL
CA19.9-Glycan
abs
Sp Serotype 14-23
TbFBL2
PCA
Mono2R-CNE
AAL
#14 Sialyl Lewis X (Carbo)
CA19.9 Ab (Carbo)
CML1
Epa1-Np mutant E227G
MGL 6A-H55T
EEA(EY Lab)
TbFBL1
Mono2W-CNE
MAA
#8 Lewis B (T218) (Abcam)
GSL
PA-IL
GNA (EY Lab)
vLRB aGp1
T-Ag
CA19.9-1B44
CA19.9-12SLE
Epa1-Np mutant S229Y
Microvillin
SGA
ACA
ABA
SRL
UEA-II
hJAA-F11-B11
Epa1-Np WT
HHA(EY Lab)
WGA(Seikagaku)
pAT
PSA
CSA
ME7(detected with a HUD)
DC-ASGPR-488
VVHA (6310)
ME5(detected with a HUD)
TJA-I
RCA I (Vector)
BSL
SNA

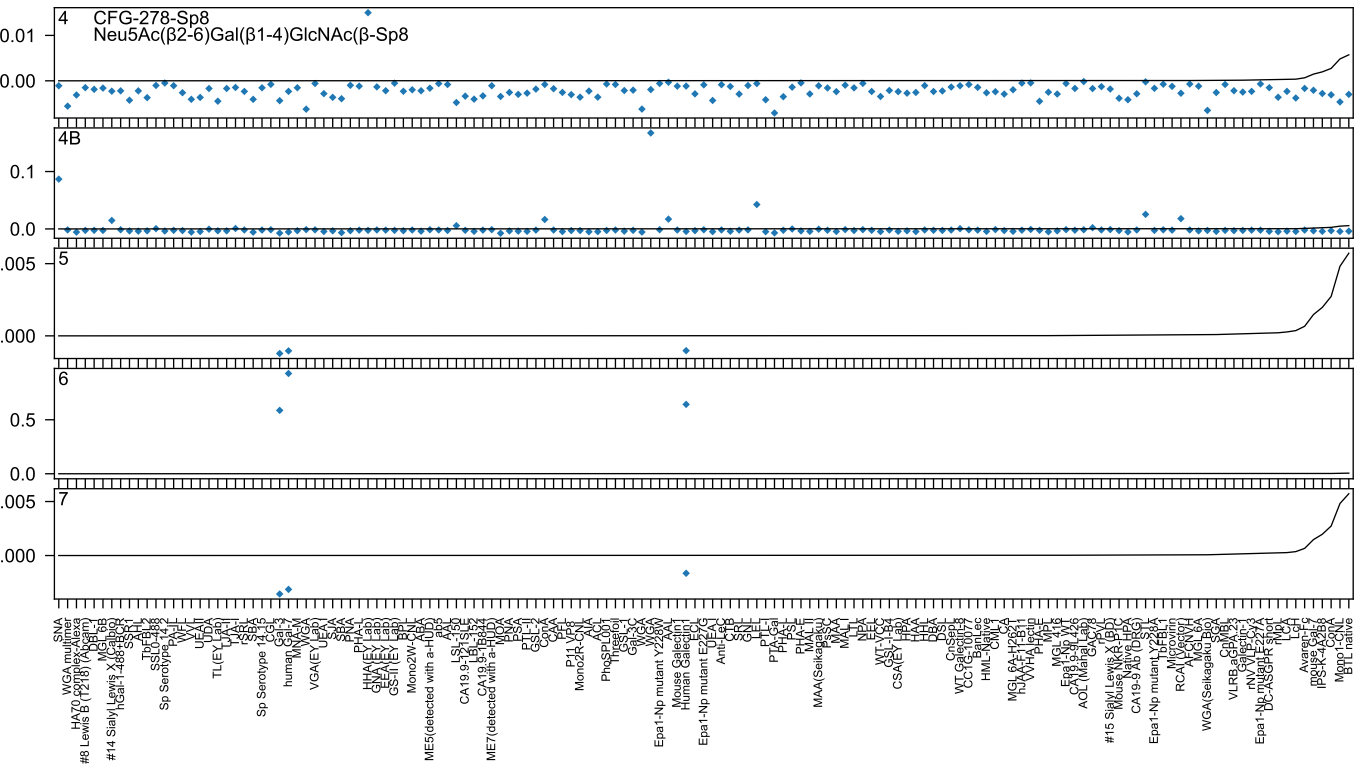

4
CFG-272-Sp8
Neu5Ac(α2-6)Gal(β-Sp8
4B
5
6
7
0.5
0.0
Anti-Tn-Fc
VVA(Vector)
WGA multimer
HA70 (Lab)
Sp Serotype 14
SSA
SSB1
Native SSA
WGA(Seikagaku Biol)
PNA
CnSeq1
SBA
ECA
PTL-I
Pan-Gal
Bandeiraea
CML1
Gal-1
human Gal-7
#8 Lewis B (T2/18) (Acro)
Native
#15 Sialyl Lewis X (BD)
hGal-1-488
PEA
CSA
PRA
EEA(EY Lab)
GSII(EY Lab)
BS
Mono2W
ABA
abs
DC-ASGPR
mouse Gal-7
Gal-3
VLRB.aGPA.25
MAA(Seikagaku)
PhoSP
P11
VFS
Mono2R
Mono1
AIA
ACL
Thrombin
EEL
GNA
MPL
AAL
Mouse Galectin1
Human Galectin1
OAA
CGFA
AmbLEA
CTB
CSA
CCA
HPA
LEL
NPA
CSA(EY Lab)
DBA
HPA
GSL-I-B4
MAL-I
MAL-II
PHA-E
PHA-L
ACA
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant 1-2
Mouse NKR-P1C
Sp Serotype 1,4,2
Mouse Lectin-1
CCTG-10077
TcfBL1
WT Galectin-3
MNA
bNA
Mitogen
CA19-9 Ab (DRG)
Epa1-Np mutant 1-1
Galectin-9
GNA(EY Lab)
CA19-9 (Lab)
CA19-9 (ISE)
MGL-68
Epa1-Np mutant E227A
TL(EY Lab)
LCA
MGL-416
HHA(EY Lab)
SBA
PSA
hJAA-F11-B11
Epa1-Np mutant G227A
CJA
AOL (Maha Lab)
TcfBL2
MAL-II
WFL
VGA(EY Lab)
VGA
LSL-150
Epa1-Np
WGA
rNV VP1
LEAI
BTL native
MGL-8A
IPS-K-442-8
SSL1-488
DBL
MEI(detected with a-HUR)
MES(detected with a-SNA)
RCAI (Vector)

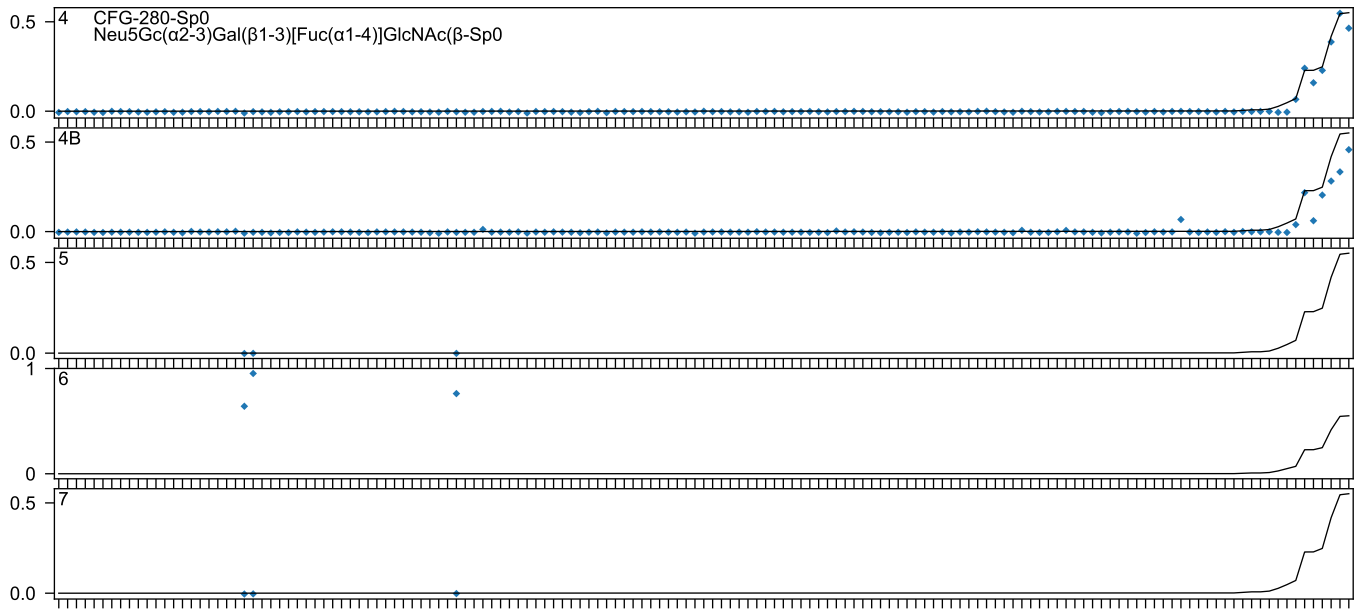

4
CFG-273-Sp8
Neu5Ac(α2-8)Neu5Ac(α-Sp8
4B
5
6
7
.005
.000
.005
0.01
0.00
.005
.000
0.5
0.0
0.01
0.00
SNA
Gal-3
VVHA
WGA
PhoSpLip
TcBPL1
SGL
CnSepA
Native WGA
TcBPL2
Epa1-Np mutant E227G
TSA
SBA
PTA
WGA(Seikagaku Bio)
CA19.9-9L426
hGal-1488+peptide
#14 Sialyl Lewis X (Calbiochem)
BTL
DC-ASGPR
Sp Serotype 1
MOR
IPS-K-4A298
UEA
PNA
HHA(EY Lab)
SBB
Mono2W-CNL
ABA
Avarene-S
PTA-Val
PSL
GSL-2
P11-VEA
Mono2R-CNL
Mono1-CNL
ACL
Mouse NKP
Gal-1C
CTB
CnNBA
MAL
Mouse Galectin1
Human Galectin1
CGA
Epa1-Np WT
CorA
PHA
MALI
MAAA(Seikagaku)
MAA
MALI
Epa1-Np mutant E227A
LCA
GSL-1-B4
CSA(EY Lab)
HPA
MGL 416
HAT3 complex-Alexa
CA19-9-Alexa
AEONYH
Mouse WGA(WT)
Epa1-Np mutant
BanLec
PHA-L
PHA-E
DSL
Epa1-Np mutant Y228A
#8 Lewis B (T218) (Abcam)
PsSC
VGA
Galectin-10
GNL
human Gal-23
VLRB
RCA(Vector)
EBV
SSA
PAL
GAL8
LBL-162
Sp Serotype 14-2
#15 Sialyl Lewis X (CCTG-1007)
HNSL
CA19-9-FITC
HJAA-F1-B11
GNA (EY Lab)
MVA-M
NPA
Galectin-4
WGA
CA19-9-Biotin
AOL (Mayo Lab)
EEA
MGL 6A-HUD
MGL 6A-Lab
ME7(detected with a-HUD)
WFA
DBA
DSA
SSL0-468
ME5(detected with a-HUD)

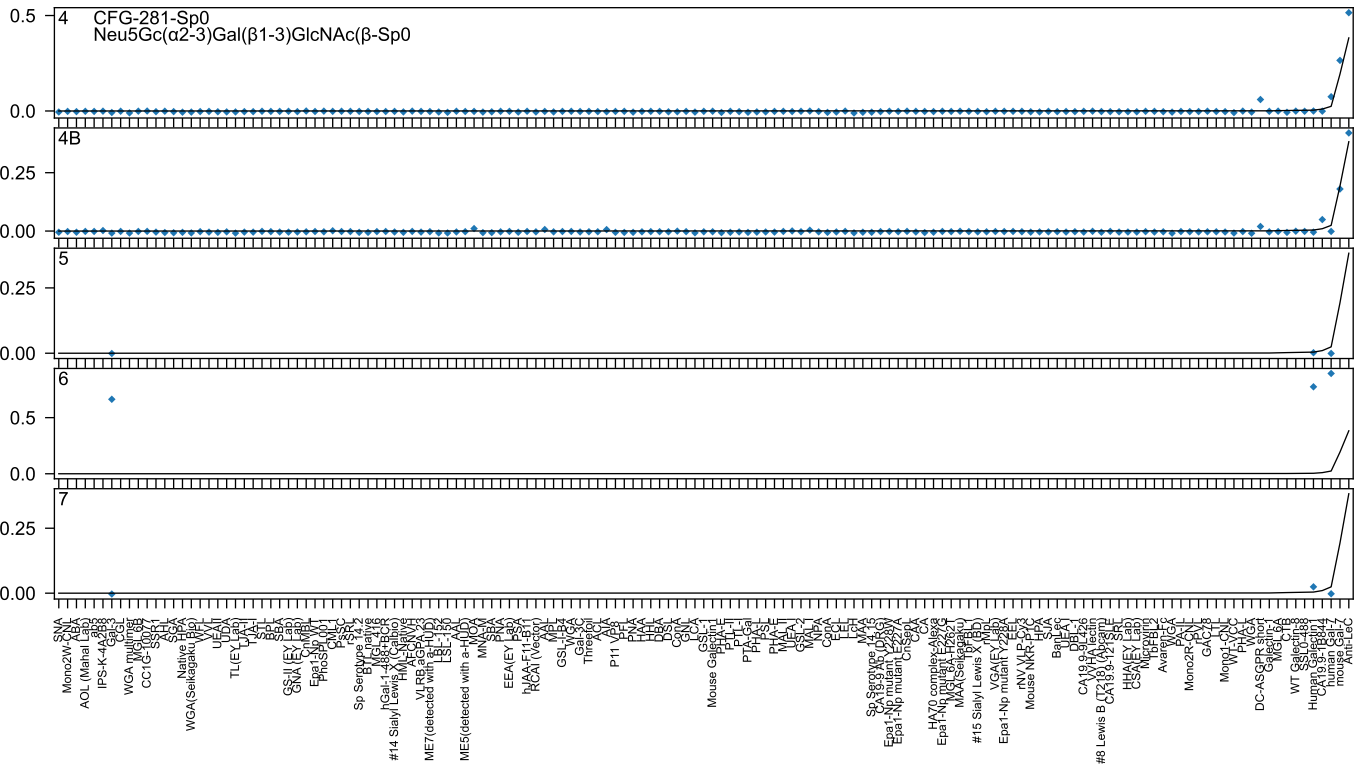

4
CFG-274-Sp0
Neu5Ac(α2-8)Neu5Ac(α2-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.0
0.1
0.2
0.5
SNA
HHA(EY Lab)
GNA(EY Lab)
GSL-I(EY Lab)
BPL
Mono2W-Alexa
ABA
AOL (Mahal Lab)
IPS-K-4A-488
CA19-9 (Ab 126
CA19-9 (Ab 116
CA19.9-18844
Banlec
WGA mutmut
CC1G-10077
MAL
SSA
SNA
Native WGA(Seikagaku Biol
PAL
PHA-L
SBA
SBA
SJA
CrPDA
CrPDA
PhoS-PLD1
ChSepD
Avarp-Fc
SSL
Sa Serotype 14 F3
DC-ASGPR short
BTL (Vector)
PNA
#14 Sialyl Lewis X MGL 416
#8 Lewis B 1121 (Abcam)
HSL
MEI(detected with a-HUD)
MEII(detected with a-HUD)
WFA
MNA
MVGA
VGA(EY Lab)
hGal-1-488+BCR
hJAA-F11-B01
CSA(EY Lab)
HPA
LEA
DSA
TL(EY Lab)
GSL-I
CAA
PF
P11
Mono2R-VP8
Mono1-CNL
AIA
Mouse NKR-P1C
Gal-1B
WGA
AAL
Mouse Galectin
Human Galectin
CGN
Anti-Fc
LCA
GNL
PSA
PTA-Gal
PNA
PNA-T
MAL-II
PTL-II
PHA-E
ECA
SSA
TJA-I
TJA-II
RCA(Vector)
WVA(Vector)
CGL
Microcin
SSBP
MGL 6A-H2B6A
VVL
#15 Sialyl Lewis X 1281
Epa1-Np mutant E227A
PVL
CA19-9 Ab (Dusp9)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np
DSL
ABL
TxB-BL1
APC-EC1
Galectin-1
HA70 complex-Alexa
GAL3
GAL2
GSL-I-2
PI-PLC
ACE
LSL
SBL
MAA
VLRB.a
DbpB12
DbpB2
DBL1
LB
WT Galectin-7
human Gal-7
MAA(Seikagaku)
mouse Gal-7

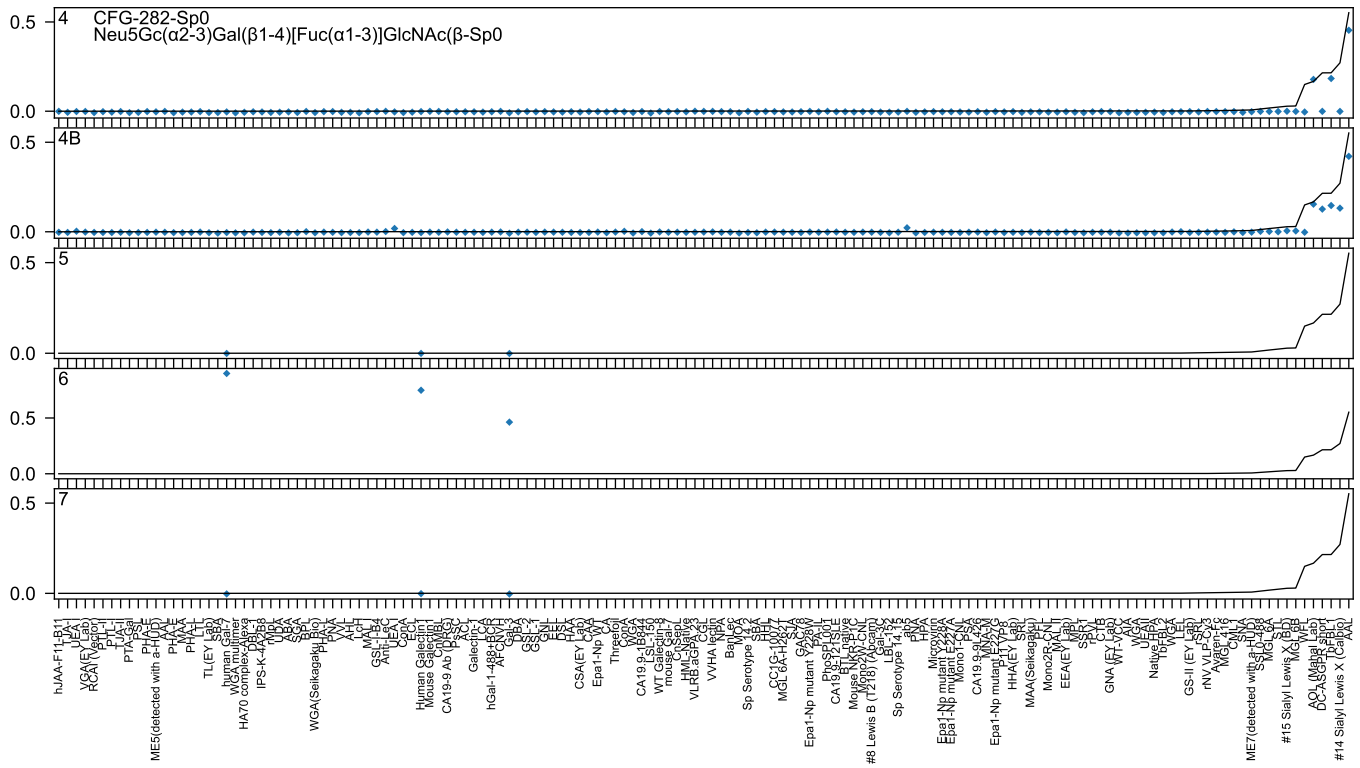

4
CFG-275-Sp0
Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
1
0

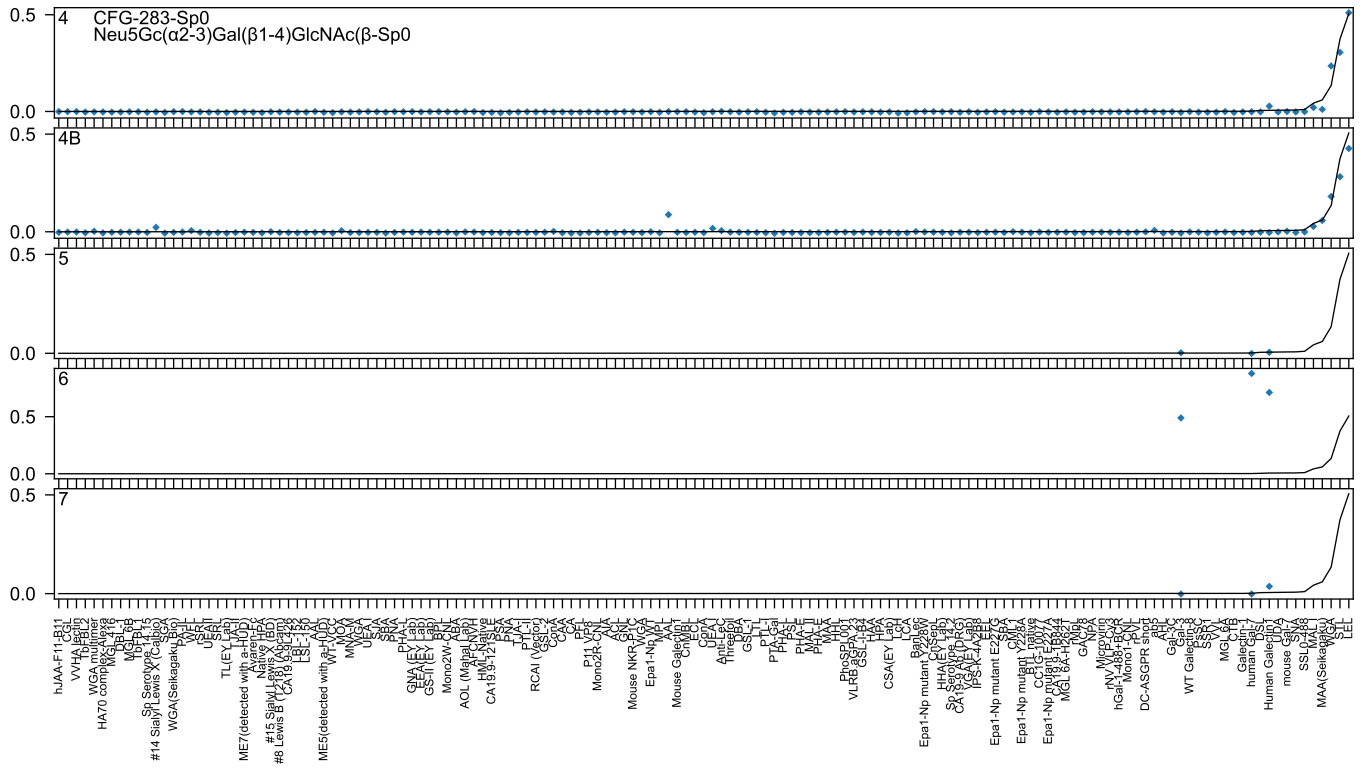

4
CFG-277-Sp8
Neu5Ac(β2-6)GalNAc(α-Sp8
4B
5
6
7
0.5
0.2
0.0
SNA
SNA
PNA
PNA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
BPL
LEL
AOL (Mahal Lab)
aOS
IPS-MCF7
Mouse Gal-7
human Gal-3
Gal-1
Gal-8
SSL1
SSL7
Native PFA
PFA
PAA-I
WFL
UEA-I
UEA-II
TJA-I
VGA(EY Lab)
AIA
AAL
Epa1-Np WT
Epa1-Np mutant Y227A
Epa1-Np mutant Y226A
Epa1-Np mutant Y226A
PhoSPLD1
WT Galectin-8
Avidin
CrSLEC
PsSC
Galectin-1
SJL
SJL
Sp Serotype 14
BYK native
#14 Slaly Lewis X (BD)
#15 Slaly Lewis X (BD)
#8 Lewis B VHH (Abcam)
SSL(Lab)
ME7(detected with 1-182)
LTL-1-182
LTL-1-182
Lectin-1
MGL 6A-H-S1
MGL 6A-H-S1
LCH
GSL-I-B4
CSA(EY Lab)
TIA-1
TIA-1
DSL
EEL
GSL-I
CAA
LEL
P11
Mono1 CR6
AIA
Galectin-3
CTB
WGA
AAL
Mouse Galectin-1
Human Galectin-1
ECA
GEA
Mono2R-KDA
DBA
DBA
MAL
SBA
PSA
RCAI (Vector)
PHA-L
PHA-E
PSL
PHA-P
MAA-T
MAA(Seikagaku)
MAA-F-11-B11
WVA
CA19-9 Ab (BD)
PDAC
CA19-9 Ab (BD)
CA19-9 Ab
HA70 complex-Alexa
CA19.9-Y228W
CA19.9-Y228W
Epa1-Np mutant Y228W
GSL-I-A4
Thrombolin
HMW native
Bacteroides
WT C90A
Sp Serotype 14 (3)
AFCHV(1)
TBT-1
SJA
GAC-6
MOA
Mono2W-KDA
HAA
CA19.9-1B44
1B44
CA
CCIG-100(D)
ME5(detected with 1-182)
GSL-I(EY Lab)
Mouse NRK-PV
MGL-6B
rNV-HA ec10
MGL 4-19
MGL 4-19
WGA
WGA
WGA(Seikagaku) Bio)
DC-ASGPR
Jurkat
WGA

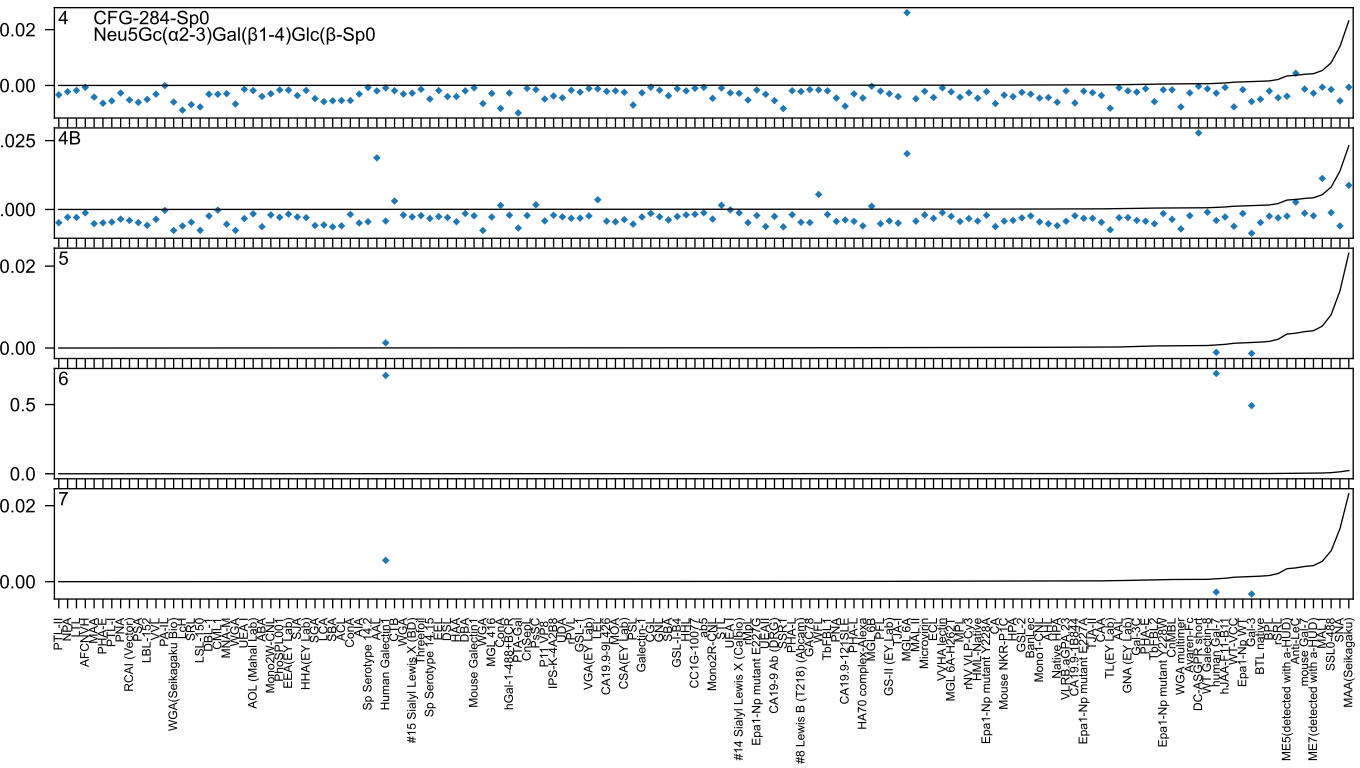

4
CFG-278-Sp8
Neu5Ac(β2-6)Gal(β1-4)GlcNAc(β-Sp8
0.01
0.00
4B
0.1
0.0
5
.005
.000
6
0.5
0.0
7
.005
.000
SNA
SNA
WGA multi
WGA
HA70 complex-Alexa
#8 Lewis B (12/18) (Dojin)
#14 Sialyl Lewis x
hGal-1 488+BSCB
Sp Serotype 14/23
Sp Serotype 9/46
TL(EY Lab)
human Gal-7
VGA(EY Lab)
MEs(detected with a-hUD)
ME7(detected with a-hUD)
Epa1-Np mutant Y228W
Mouse Galectin1
Human Galectin1
Epa1-Np mutant E228G
Epa1-Np mutant Y228A
#15 Sialyl Lewis x (BD)
Epa1-Np mutant Y228A
WGA(Seikagaku Bio)
Epa1-Np mutant Y228A
BTL native

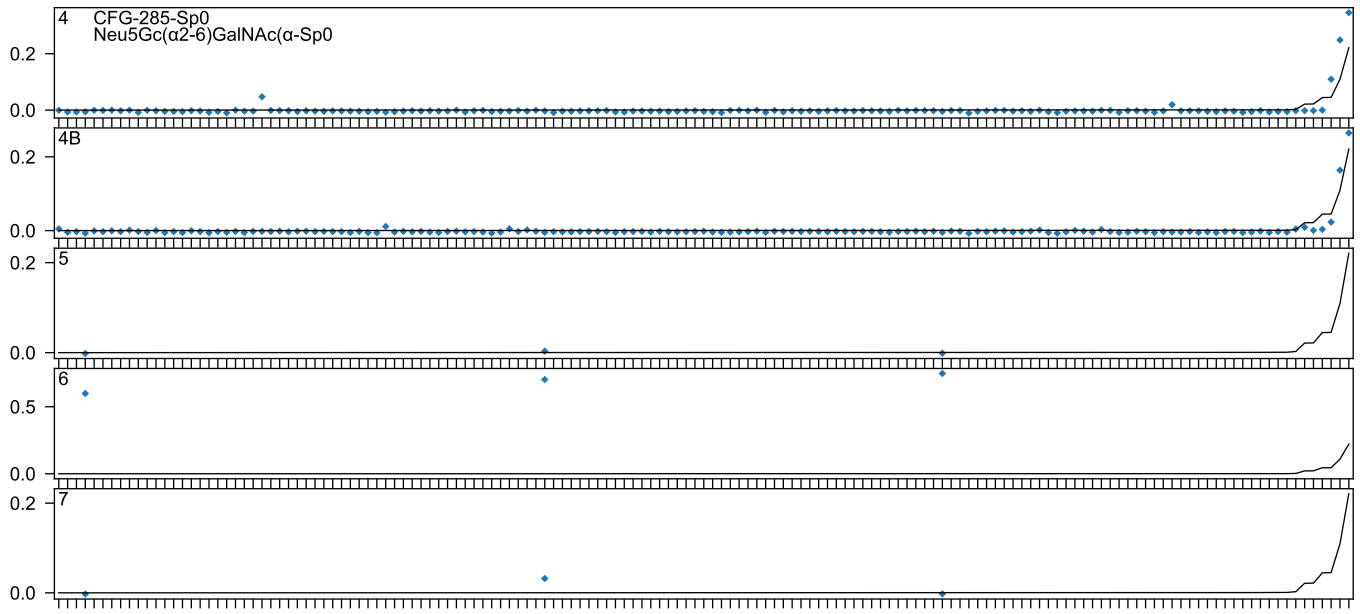

4
CFG-280-Sp0
Neu5Gc(α2-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
WEA
ACL
MAL
WFA
PNA-E
MAL II
PTA-Gal
PHA-L
RCA I (Vector)
PSA
HHA (EY Lab)
GNA
VVHA
Jacalin
PhoSPL (Lot)
Gal-3
human Sig-8
SBA
ABA
Native SBA
Mono2W-CDL
GS-II (EY Lab)
EEA (EY Lab)
Microvirin
LEL
CSA (EY Lab)
GSL-I-B4
nNV VP1-CD
HML Native
Sp Serotype_152
BL_152
Mouse Galectin-1
Human Galectin-1
ECA
DEA
MGA
WGA
Mono2R-CDL
LSL-150
UEA-I
HPA
HPL
DSA
MNA-M
GSL-2
WT-CCK
AAL
Epa1-Np mutant G228V
GNA
MGL BA
PALE
PSL
Epa1-Np
WGA(Seikagaku) (Bio)
PS-2-4-4-2-6-8
hGal-1 mutant E22Y
Epa1-Np mutant E227G
MGL 6A-Chase7
Chase7
ICH
MGL
CPS
VLRB.aGPA.23
Epa1-Np mutant E227A
PTL-I
MOA
CoCA
ACG
ACG(S)
#8 Lewis B (T218) (Apcam)
Mono1-CDL
SNA
SBL
nNV
BPL
Sp Serotype_15
DSL-1
MAAA(Seikagaku)
Galectin-4
WT Galectin-4
#15 Sialyl Lewis X (BD)
Epa1-Np mutant G228C
Gal-2
HATO complex Alexa
DC-ASGPR
GAL8
GAL3
VGA (EY Lab)
Mouse NKG2D
PSL
BDL
mouse Gal-7
WGA multimer
PPL
BTL complex
UEA-I
Avarelin-Fc
bJAA-F11-B11
CA19-9 (Ab 429)
CCL1 V08
P11 V08
Tb-FBP-L
#14 Sialyl Lewis X (Capico)
SSL0-188
MEP (detected with a HUB)
MEP (detected with a CMD)
SNA
TJ (EY Lab)
CA19-9 Ab (DRG)
AOL (Mayo Lab)
TF-BL1
CA19-9 (Ab 1116NS19-9)
AAL

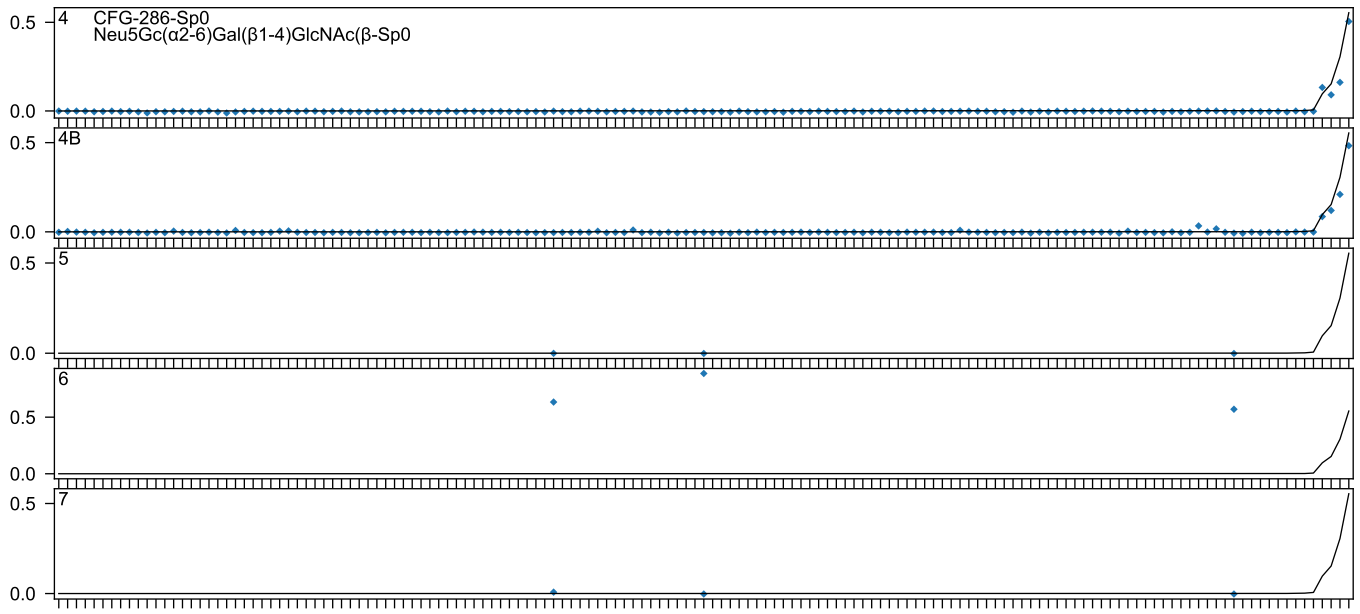

4
CFG-281-Sp0
Neu5Gc(α2-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.25
0.00
SNA
Mono2W-SNA
ABA
AOL (Mahal Lab)
IPS-K-4A288
CGG
WGA nuclmg
CC1G-10077
SSL1
SSL7
Native SSA
WGA(Seikagaku Blp)
VVL
UEAII
UDA
TL(EY Lab)
LCA
LTA
TSA
BPL
SBA
GS-II (EY Lab)
GNA (Cnt Lab)
Epa1-Np WT
PhoS-CMC1
PSA
PsaC
Sp Serotype 14-2
BYC(native)
hGal-1-488-rBCR
#14 Sialyl Lewis X (Gallbio)
ACG(NVS)
VLRB.a-HUD
VLRB.a-HUD
LBL-155
LBL-156
AAL
ME7(detected with a-NUD)
MNA(EY Lab)
PNA
RCA
EEA(EY Lab)
hJAA-F11-611
RCA(Vector)
MPL
GSL-I-B4
Gal-3C
Thrombo
AOL
VAA
P11
PFL
PNA
HPA
HHL
DSA
CON
PCA
GSL-I
Mouse Galectin-1
BTA-E
PTA-E
PTA-I
PTA-Gal
PSL
PHA-E
PHA-L
NEA
GNL-1
NPA
CrPA
CepA
LEL
MAA
So Serotype 04-03
Epa1-Np mutant (Z228V)
Epa1-Np mutant (Z228V)
CnsEA
CAA
HA70 complex-Alexa
Epa1-Np mutant E226G
Epa1-Np mutant E226G
MAA(Seikagaku)
#15 Sialyl Lewis X (Mb)
VGA(FY-228A)
Epa1-Np mutant(FY-228A)
rNV VLP-EGFP
Mouse NKR-P1C
HPA
BanLec
DBL-1
CA19.9-426
CA19.9-426(Leem)
#8 Lewis B [CT219(Abcam)]
CA19.9-12-SPE
HHA
HHA(EY Lab)
CSA
NEY(EY Lab)
TcFBL2
AvaVCA
Mono2R-PAL
PAL
GAC18
Mono1-ONL
WFA
PHA-C
DC-ASGPR
WGA
Galectin-1
MGL-CRD
WT Galectin-8
Human Galectin-8
CA19.9-18844
mouse Gal-7
Anti-LeC

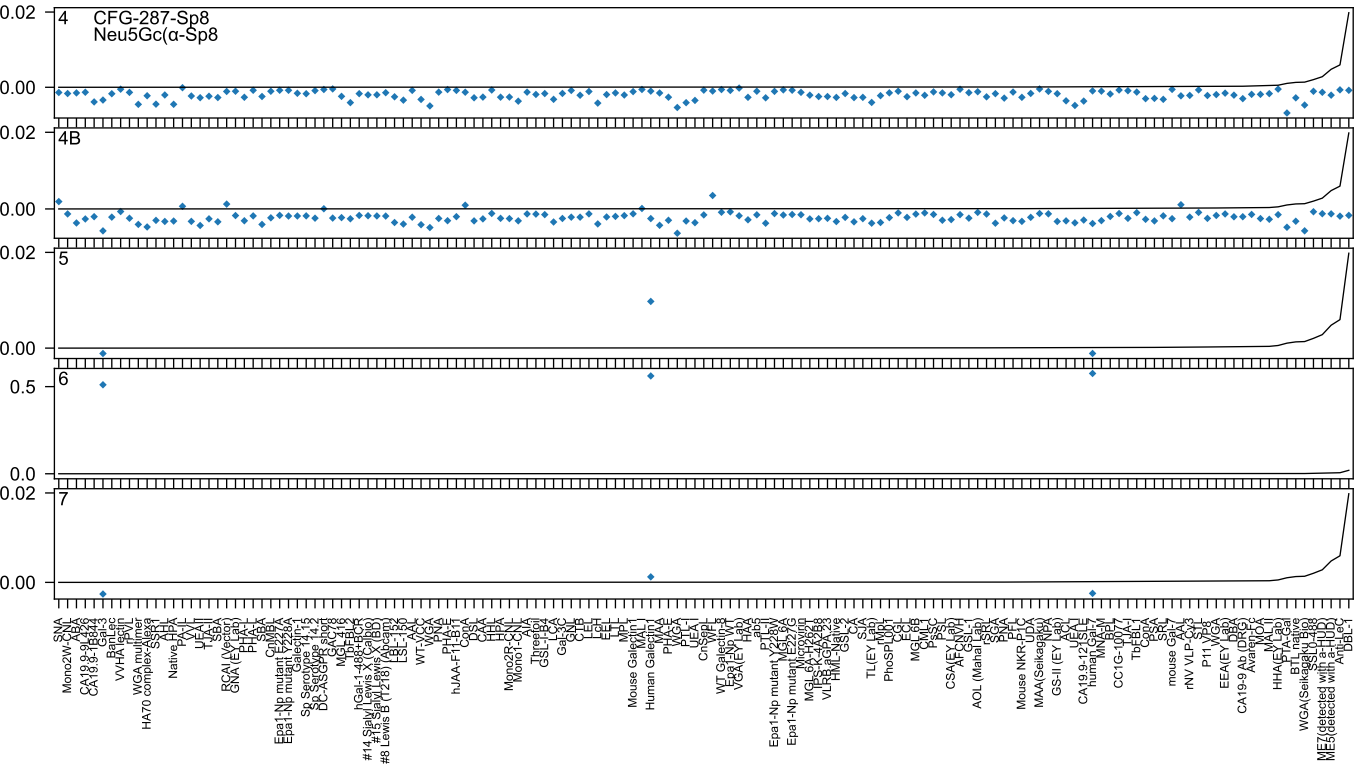

4
CFG-282-Sp0
Neu5Gc(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11_B1
VEA
VGA(Vector Lab)
RCA(Vector Lab)
PTL-I
LCA-I
PTA-Gal
PHA-E
ME5(detected with a-HUD)
PHA-L
PHA-E
PHA-L
TL(EY Lab)
SBA
Human Galectin-7
WGA(Alexa 488 conjugate)
HA70 complex-Alexa
IPS-K-12-B6
ORA
ABA
SNA
WGA(Seikagaku)
Bio
PNA
XVI
ACA
GSL-I
Anti-LeC
UEA
ECL
Human Galectin-1
Mouse Galectin1
CA19-9 Ab (Ab-1)
PSA
RIC
Galectin-10
hGal-1-488 (Lot 1)
APC-CD13
Gal-3
GSL-2
GSL-I
EEL
PAA
CSA(EY Lab)
Epa1-Np VOA
Thrombo
CA
CD9A
CA19.9-1B934
LSL-155
WT Galectin-9
mouse Gal-9
HMC-Sep
VLRB aGPA 293
CGL
VVHA lectin
NPA
Bayer
Sp Serotype 14.2
SBA
CCIC-10077
MGL GA-1-B2
SOA
Epa1-Np mutant 9
Epa1-Np mutant 2
PAOI
CA19.9-21SCE
Phos-Tag
Mouse Galectin-9 native
#8 Lewis B (12187) (Agaroo)
Mono2N-CNL
LBL-152
Sp Serotype 14.15
FNA
PNA
Microvirin
Epa1-Np mutant E229A
Epa1-Np mutant E229A
Mono1-CNL
CA19.9-L426
Epa1-Np mutant E229A
MMA(EY Lab)
HHA(EY Lab)
MAA(Seikagaku)
Mono2R-CNL
EEA(EY Lab)
MAL II
SSA
CTB
GNA (EY Lab)
WFL
AIA
UEA-I
Native-EPA
Toxo-EPA
WGA
GS-II (EY Lab)
rNV-VLP-Cy3
Anti-Le^{y}
MGL 416
CSA
ME7(detected with a-HUD)
SNA
MGL-8A
#15 Sialyl Lewis X (BD)
MGL-8B
AOL (Matsal Lab)
DC-ASGPR-Fc
#14 Sialyl Lewis X (Calbiochem)
AAL

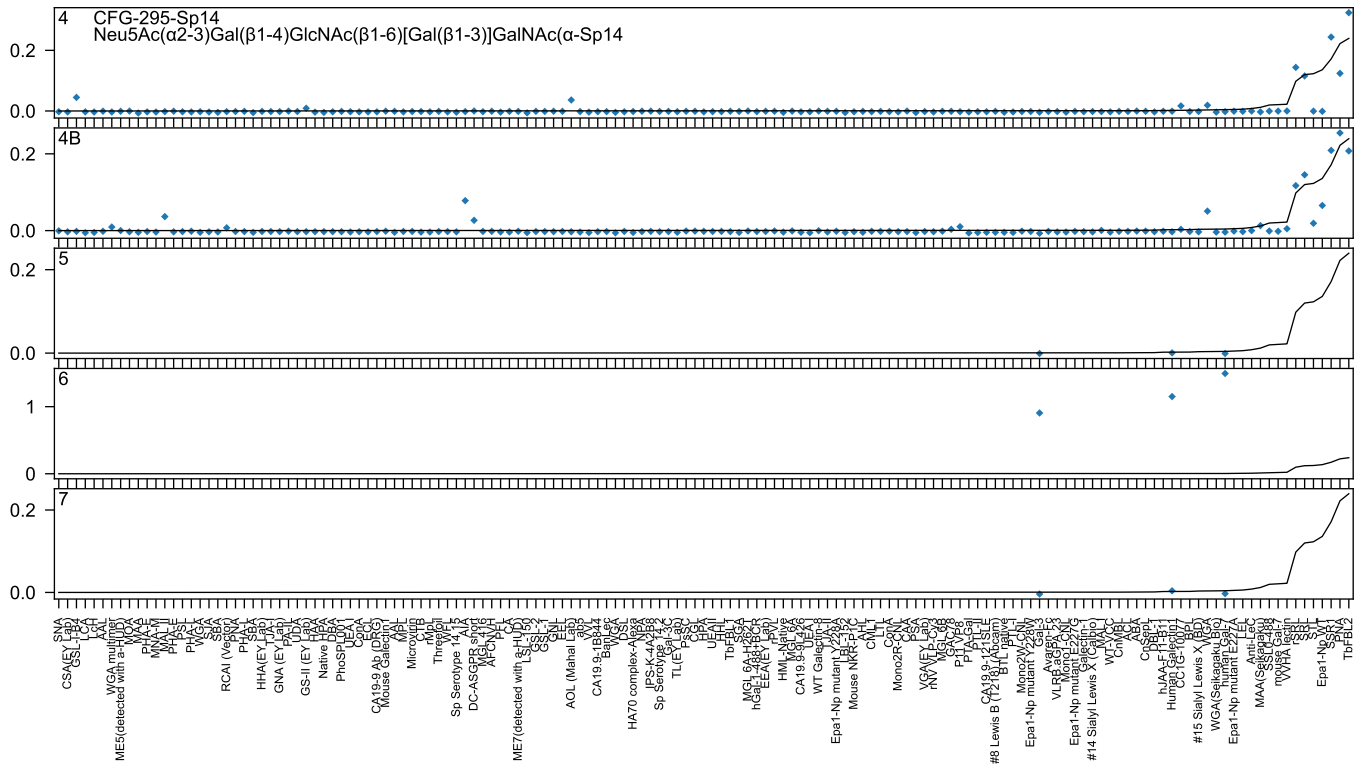

4
CFG-283-Sp0
Neu5Gc(α2-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11-B11
LTL
VVH
HA Beijing
Sp
WGA multimer
HA70 complex
MGL
GBP
GBL-1
MGBP
Sp Serotype 1-15
#14 Sialyl Lewis X (Calbio)
WGA(Seikagaku, Bio)
UEA
UEA-I
SRL
TL(EY Lab)
ME7(detected with a-HUD)
Mono2W-CNI
Native HPA
#15 Sialyl Lewis X (BD)
#8 Lewis B (Calbio)
CA19.9-SF-238
LBL-155
LBL-156
ME5(detected with a-HUD)
AAL
WFA
MOA
MNA
WGA
UEA
SBA
SNA
PHA
PHA-L
GNA(EY Lab)
GSL-I(EY Lab)
BPL
Mono2W-CNI
ABA
AOL (Matsu Lab)
HMI-Native
CA19.9-12-F5
SJA
TKA
PNA
PHA-I
RCAI (Vector)
CCA
CAA
PSA
PFF
P11
Mono2R-CNI
AIA
GNL
Mouse NKR
VGA
Epa1-Np WT
WAL
Mouse Galectin1
CNL
ECL
CGA
Anti-LeC
Threpsia
GSL-I
PTL-I
PTL-II
PAL-Gal
PAL-Glc
PSL
PHA-T
PHA-E
PHA-L
MNA
PhoSPLO01
VLRB-GBA
GSL-I-B4
HPA
CSA(EY Lab)
LCA
Epa1-Np mutant Bam166
Cosevu
SHA(EY Lab)
Sp Serotype 1-15
CA19.9-AF(PRG)
PSA(EY Lab)
Epa1-Np mutant E2-F6
EEL
CMA
Epa1-Np mutant 1
BTL native
CCG-F0074
Epa1-Np mutant 2
CA19.9-TB844
MGL6A-HRG
GAL
GAL8
Microvirin
NV-Hel-GOA
hGal-48-GOA
Mono1-CNI
DC-ASGPR
SHL
ABP
Gal-3C
Gal-3
WT Galectin-3
PSSC
SSA
MGL-6A
Galectin-8
human Gal-1
Galectin-1
Human Galectin1
mouse Gal-1
SNA
SSL
MAA
MAA(Seikagaku)
WGA
SSL-I
LEL

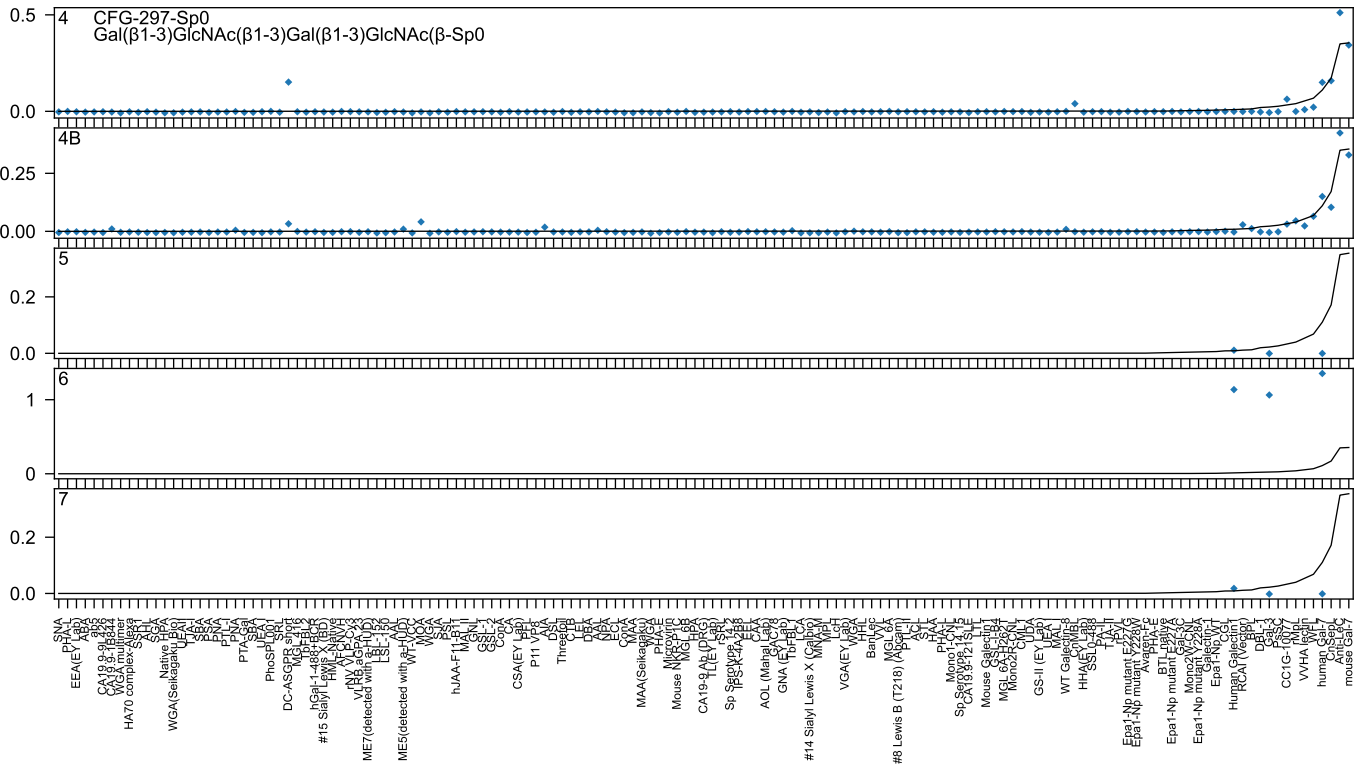

4
CFG-284-Sp0
Neu5Gc(α2-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.02
0.00
.025
.000
0.5
0.0
PTL-II
NPA
AFO
MAL-I
UEA-I
PBA-E
PNA
RCAI (Vector)
LBL-152
PAA-E
WGA(Seikagaku Bio)
SBA
LSL-59
CGL-1
MVGA
UEA-I
AOL (Mahal Lab)
Mono2W-CNI
EEA(EY Lab)
HHA(EY Lab)
SJA
SGA
SBA
AOL
CGL
AIA
CGL
Sp Serotype 14.2
Human Galectin-1
VCB
#15 Sialyl Lewis X (BD)
Sp Serotype 14.1
EEL
HAA
DBA
Mouse Galectin-9
WGA
MGL-416
MGL-426
hGal-1-488-BCR
CIA-Sepi
P11-PBS
IPS-K-4A288
PVA
GSL-I
VGA(EY Lab)
CA19.9-9-426
MVA
CSA(EY Lab)
Galectin-1
CGL
SBA
GSL-I-B4
H-77
CC1G-10077
Mono2R-ABS
LCA
SJA
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E227A
Mouse
CEAT
CA19-9 Ab (DSHB)
PHA-L
#8 Lewis B (T218) (Abcam)
VVL-I
Tbr
PNA
CA19.9-12-SLE
HA70 complex-Alexa
MG-PBB
GS-II (EY Lab)
MGL-A
MAL-II
Micrococcus
VVLA-Lectin
MGL-DA-HRP
MIP
rMAL-Fc
Epa1-Np mutant Y228A
Mouse NKR-P1C
HPA
GSL-I
Bandeiraea
Mono1-CNI
Naiveye HPA
VLA-1-BTB
CARB-BTB44
Epa1-Np mutant E227A
TCA
CAA
TL(EY Lab)
ACA
GNA (EY Lab)
SBA-E
Epa1-Np mutant C228W
TBPA-7
WGA multimer
DC-ASGPR short
WT Galectin-8
hJAA-F11-B11
Epa1-Np WT
Gal-3
BTL mutant
BBP
ME5(detected with a-HGD)
AmLec
ME7(detected with a-HGD)
mouse Galectin-9
MAL-I
SSL-I
SNA
MAA(Seikagaku)

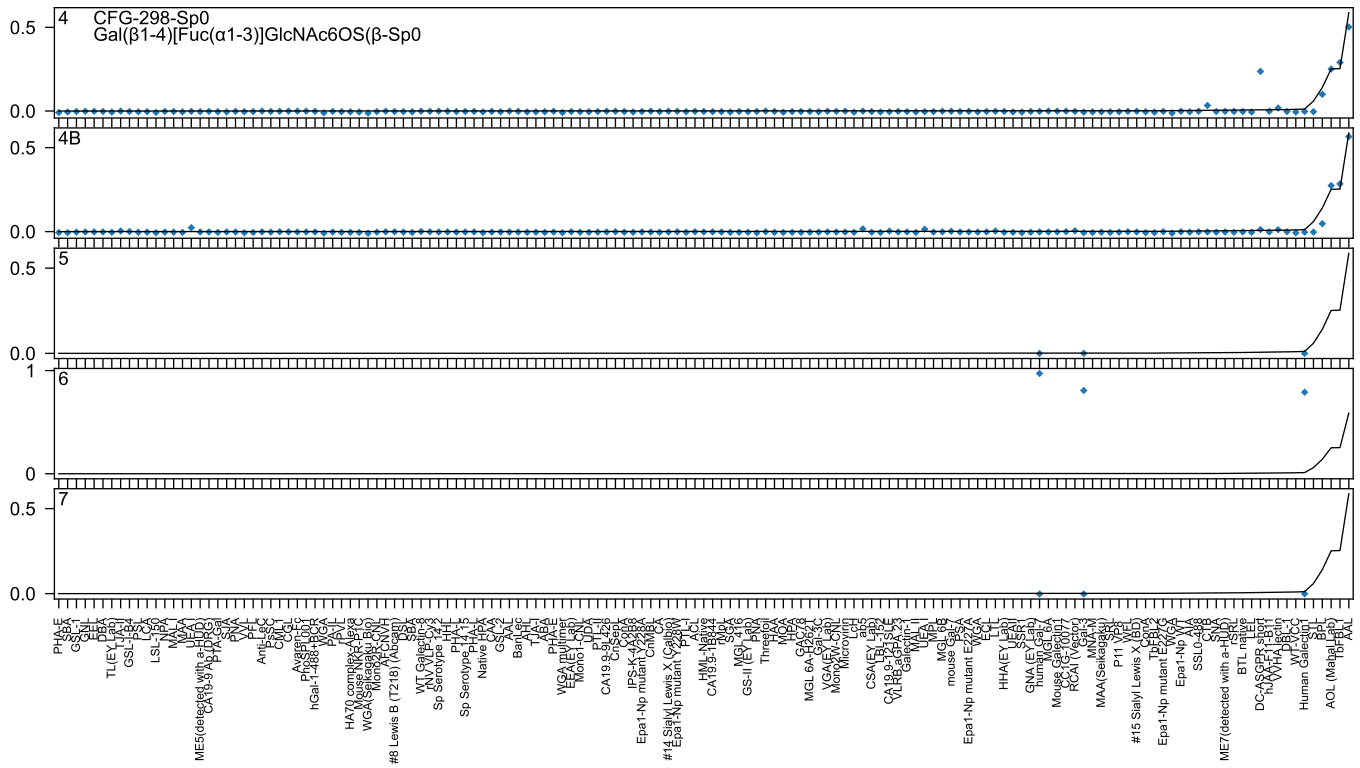

4
CFG-285-Sp0
Neu5Gc(α2-6)GalNAc(α-Sp0
4B
5
6
7
0.0
0.2
0.5
SNA
SNA6
IPS-K-4-Sp0
CA19.9-1
B844
GGL
VVH
Ban Lec
DBL
CNL
Galanthus
WGA(Seikagaku, Rip)
UEA I
UDA
TL(EY Lab)
SBA
PNA
PTL-I
PTA-Gal
PHA-L
AOL (Mahal Lab)
Epa1-Np mutant Y228A
PhoSL001
CSL
Sp Serotype 14-13
hGal-1488+PBS
#15 Sialyl Lewis X (BD)
nNV1_B-cyx
LBL-155
MOA
UEA
PNA
PHA-L
GS-II (EY Lab)
ABA
hJAA-F11-B1
Monoclonal
PHA-E
P11
VVA
AAL
CSA(EY Lab)
DBA
Mouse Galectin1
Human Galectin1
AIA
ACL
EEL
NPA
GNL
UEA I
GSL I-B4
MAA
CNL
MAA(Seikagaku)
OTA
Mono1-CNL
PSL
CA19.9-121SLE
CA19.9-GALC28
mouse Gal-7
APA
PHA-E
CnSep
Epa1-Np mutant Y228A
SSA
CA19.9-Ab (PRG)
GNA (Threelab)
VVL
Epa1-Np mutant E227A
Mouse NKR-P1A
DSL
Microbulin
Sp Serotype 1_UA-7
human Gal-7
Mono2-CNL
Epa1-Np mutant E227G
GSL I-B4
VLRB aGPA-23
WFA Galectin-3
Avarene
Epa1-Np WT
HA70 complex-Y1
TCA
THA
EEA(EY Lab)
#14 Sialyl Lewis X (BD)
Anti Lec
SAL
#8 Lewis B (T218) (Abcam)
Galectin-1
WT-VCC
vVCA
vVCA
Fdp1
TbPA
WGA multimer
BTL (Vector)
ME7(detected with a-HUD)
H+A (EY Lab)
ME7(detected with a-HUD)
ssLOA-M
MNA-M
ABL
ME5(detected with a-HUD)
MGL 6A-H2621
RCA
MAG-1
WGA
MGL 6A
MGL 6A
DC-ASGPR short

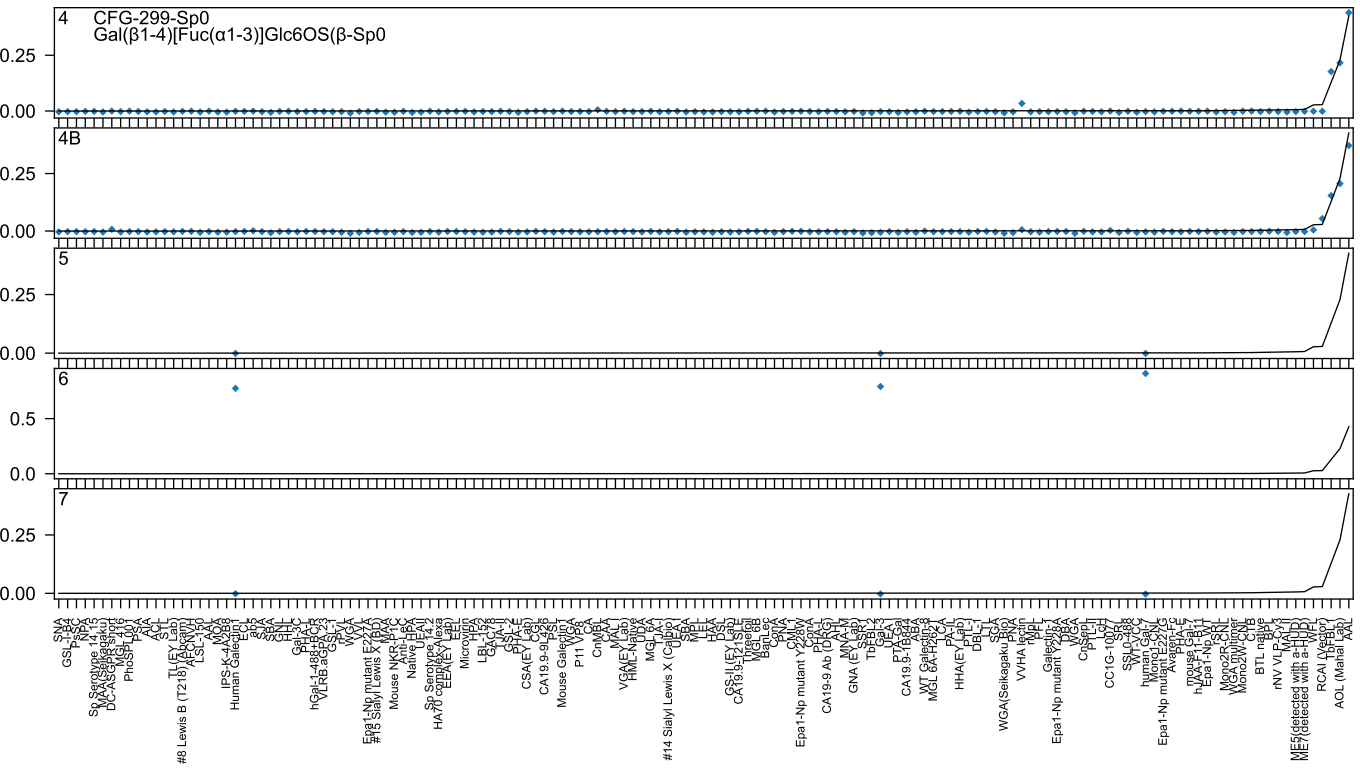

4
CFG-286-Sp0
Neu5Gc(α2-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
hAAA-F11-B11
mouse Gal1
CGL
WGA multimer
MGL-1
CA19-9 Ab (DRG)
Tn-BSA
Native HPA
UEA-I
UDA
PhoSP-HSA
PSA
Epa1-Np mutant E224A
PTL-I
CA19.9 Ab(Sal)
PHA-E
CA19.9-BSA
ABA
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
#8 Lewis B (12-218) (Abcam)
DC-ASGPR-Cy3
Sp Serotype 14
Sp Serotype 12
LSL-150
WT-AAL
MOA
UEA-I
SBA
SNA
PHA-L
HHA(EY Lab)
GS-III(EY Lab)
PSA
IPS-KA/DB
MGL-416
GNL
DBA
ECL
MAL II
CCA
HPA
Human Galectin1
AOA
Threefold
Mouse Galectin1
AAL
CTB
P11 (Y Lab)
CSA(EY Lab)
VOA
UEA-I
GSL-I B4
LCA
MGL-2
human Gal-7
HA70 control Ab
HMC-Native
VAA
ABA
PHA-E
PHA-L
CVN-N
GSL-I B4
CA19.9-Fc
Microvirin
EEA(EY Lab)
WT Galectin-8
Mouse NKB-FTC
VLRB.aGPA 23
PTL-I
Sp Serotype 4
GAC-78
AOL
Mannan-Fc
hGal-1-488-BCR
Epa1-Np mutant Y228W
Avarol-FITC
Anti-LeC
Epa1-Np mutant E224A
GNA (EY Lab)
TL(EY Lab)
MBL
HPA
VVL
Gal-3X
Banlec
Monoclonal
MOR
Mono2-CNL
VGA(EY Lab)
CGA
Epa1-Np mutant Y228A
Epa1-Np WT
GSL-I
MGL 6A-H2B1
ME7(detected with a-HUD)
MNA-M
LEL
CC1G-10077
SSL
WGA(Seikagaku, Calbio)
MAA (Seikagaku)
Galectin-1
Galectin-7
BP
Tn-BP
VVHA-scFv
ME5(detected with a-HUD)
SSL-I (Vector)
LAA
RCA I (Vector)
SNA

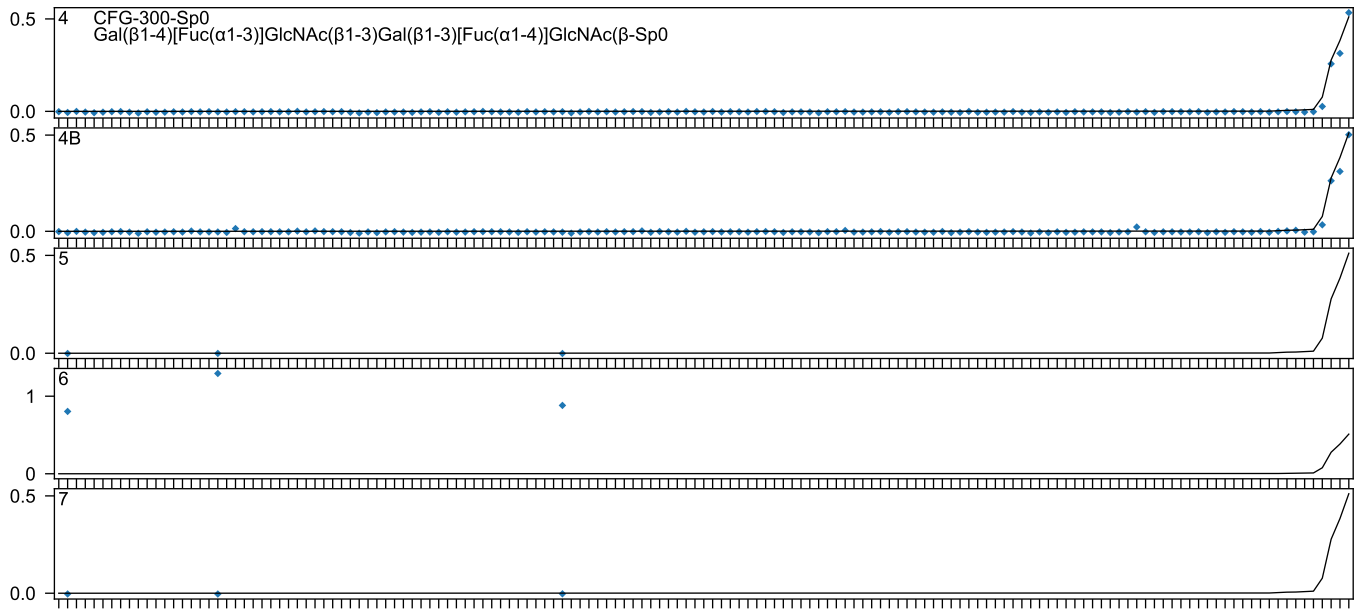

4
CFG-287-Sp8
Neu5Gc(α-Sp8
4B
5
6
7
0.02
0.00
0.5
0.0
SNA
Mono2W-SNA
ABA
CA19.9-BSA
CA19.9-18B44
Gal-3
Bandeiraea
VVHA
WGA multimer
WGA multimer complex-Alexa
STL
HA70 complex-Alexa
Native-HPA
PNA
VVL
UEA-II
SBA
RCA(EY Lab)
GNA(EY Lab)
PHA-L
PHA-E
SGA
CrMA
Epa1-Np mutant C2226A
Epa1-Np mutant Y226A
Galectin-1
Sp Serotype 1
Sp Serotype 14.2
DC-ASGPR-Fc 408
MGL-418
hGal-1-488+EDC5
#14 Sialyl Lewis X (Calbiochem)
#1 Sialyl Lewis X (Calbiochem)
#8 Lewis B (12.218) (Abcam)
LSL-155
WT-VGA
AAL
VGA
PNA
PHA
hJAA-F11-B11
OSA
CGA
CAA
HPA
Mono2R-SNA
Mono1-SNA
AIA
Chitopen
GSL I-A4
LCA
Galectin-3
CTB
LEL
EEL
MPL
Mouse Galectin-1
Human Galectin-1
PHA-E
VVA
PCA
UEA-I
CnSGP
WT Galectin-8
VGA(EY Lab)
HAA
PTL-I
Epa1-Np mutant Y226V
Epa1-Np mutant E227G
MGL-Mycoplasm
PSL-K-42288
VLP-Native
HA-H-Native
GSL-I-B4
SJA
TL(EY Lab)
PhoSPL001
ECL
MGL-B5
PSL-C
PSL
CSA(EY Lab)
AFCN07
AOL (Marata Lab)
SRA
SRL
PWA
PTL
Mouse NKR-UDX
MAA(Seikagaku)
GS-II (EY Lab)
UEA-I
CA19.9-12/SLE
human-IgM
MNA-M
CC1G-1067
Tor-BLA
CSA
BSA
mouse Gal-7
AAL
rNV VLP
SNA
P11
VGA
EEA(EY Lab)
CA19-9 Ab (DRG)
Avarigen-F5
MALI
HHA(EY Lab)
PTA-L
BTL native
WGA(Seikagaku)
MEI(detected with a-HUD)
MES(detected with a-HUD)
Ara-LOC
DBL-1

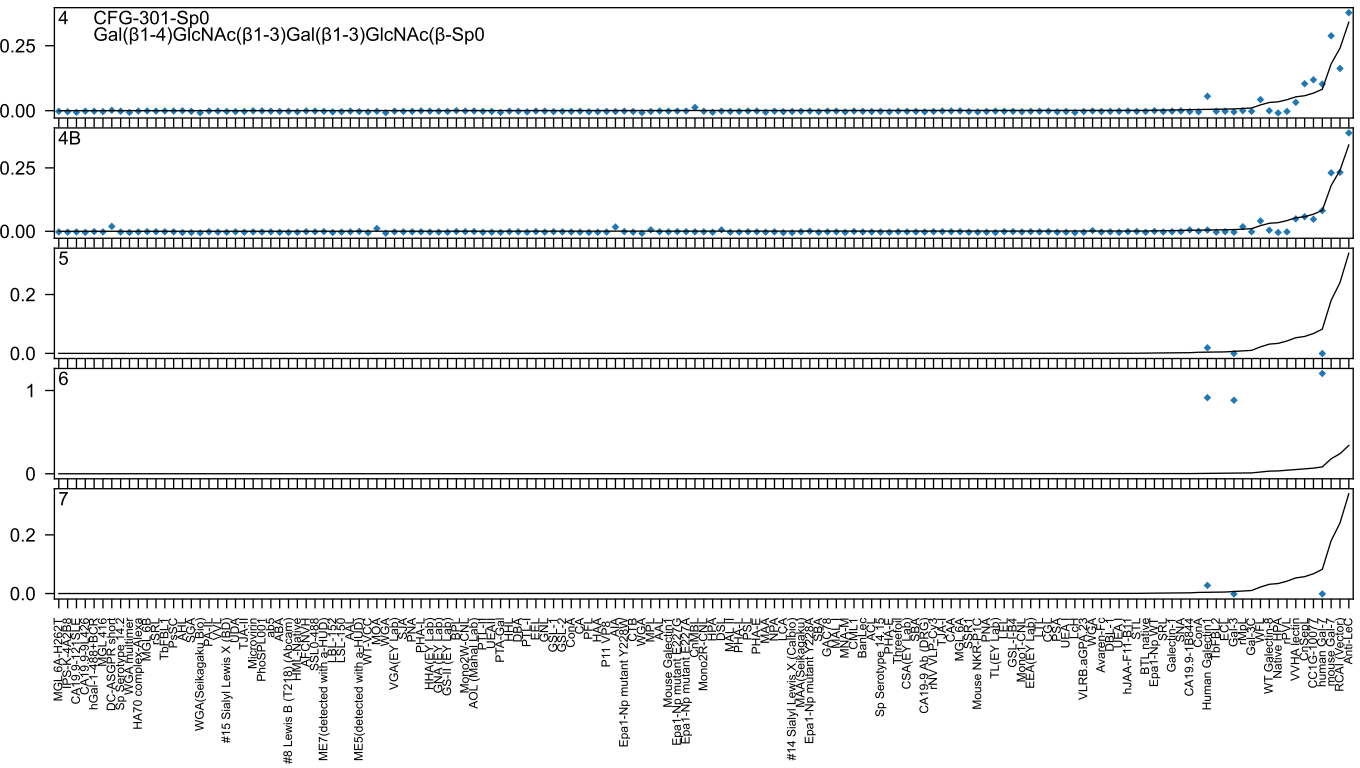

4
CFG-295-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.2
1
SNA
TJA
CSA(EY Lab)
GSL-I B4
LCA
AAL
WGA multi
ME5(detected with a-HUD)
MOA
PHA-E
PHA-L
MAL-II
PHA-P
PHA-E
PHA-L
WGA
SBA
RCAI (Vector)
PNA
PHA-L
HHA(EY Lab)
JAC
GNA (EY Lab)
PALB
GS-II (EY Lab)
UDA
HPA
Native DBA
PhoSL
PhoSL-01
ECA
CorA
CA19-9 Ab (DRG)
Mouse Galectin-1
MPL
Microvirin
MVD
Threonin
Sp Serotype 14
Sp Serotype 14-15
DC-ASGPR
MGK 416
APOH
PHL
UEA
ME7(detected with a-HUD)
LSL-I (Lab)
GSL-I
GNL
AOL (Mahal Lab)
aos
CA19.9-18844
Barley
DSL
HA70 complex-A
IPS-K-4A258
Sp Serotype 1-3
TL(EY Lab)
PSL
PSL
UEA
UEA
Tor-3
MGL 6A1H
MGL 6A1H
hGal-1
EEA(EY Lab)
PVL
HML-Native
MGL 6A1
CA19.9-6E4
WT Galectin-8
Epa1-Np mutant Y228A
Mouse NKRP-1
ANL
CML
CorA
Mono2R-CAA
FSA
VGA(EY Lab)
nKV
MGL 6B
MGL 6B
P17Type6
PNA
#8 Lewis B (T24)
CA19.9-121STE
BTL(Native)
Epa1-Np mutant Y228W
Mono2W-CAA
Gal-3
Avarrow
VLRA.agPA
Mono1
Epa1-Np mutant E229G
#14 Sialyl Lewis X (CAPE)
Galectin-1
WGA
CrvM
ACL
AleA
CpaA
hJAA-F
DBL-1
Human Galectin-1
CCTG-10007
#15 Sialyl Lewis X (BD)
WGA(Seikagaku)
human Gal-7
Epa1-Np mutant E229A
Anti-Lec
MAA(SSL)
SSSCP-488
rnVVA
VVHA
ISBL
SOL
Epa1-Np WT
SNA
PNA
TbFBL2

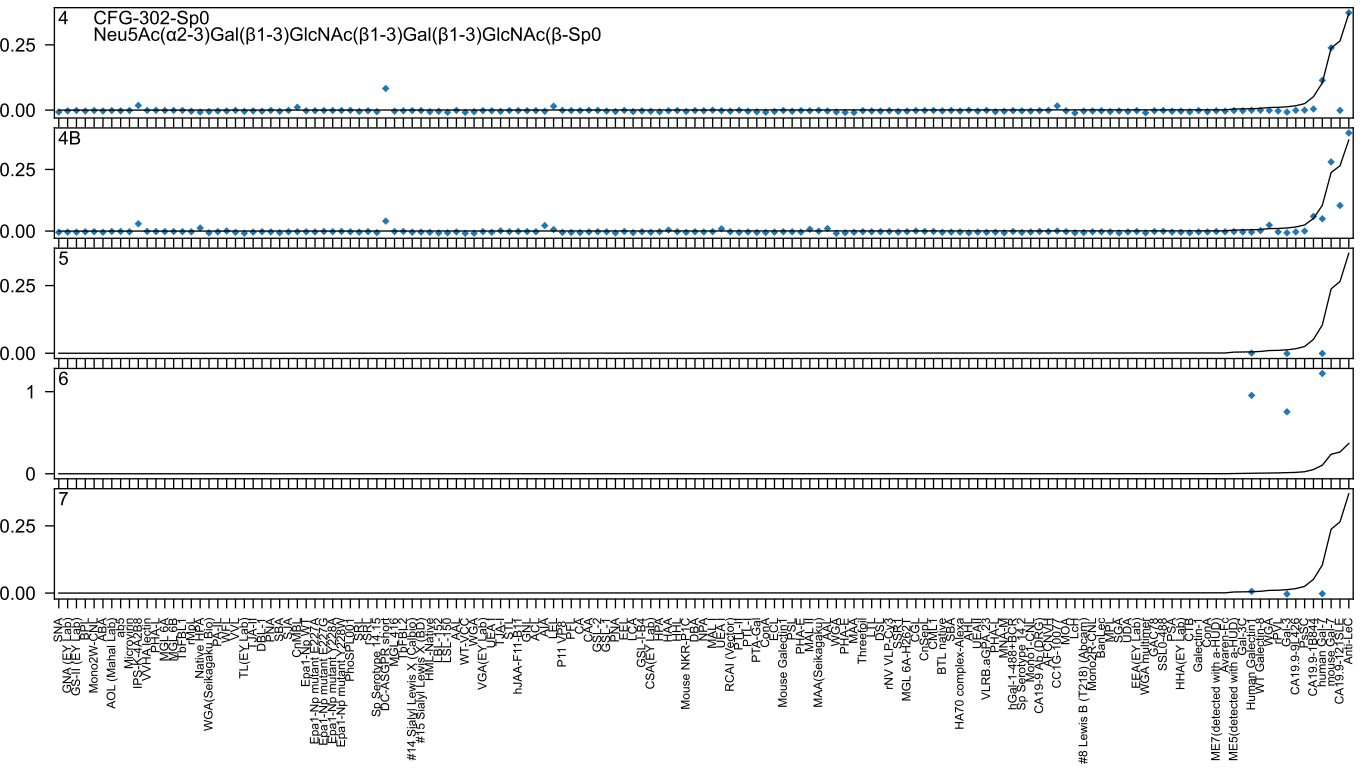

4
CFG-297-Sp0
Gal(β1-3)GlcNAc(β1-3)Gal(β1-3)GlcNAc(β-Sp0
0.5
0.0
4B
0.25
0.00
5
0.2
0.0
6
1
0
7
0.2
0.0
SNA
PNA
EEA(EY Lab)
ABA
CA19-9 ab
CA19-9 ab422
WGA multimer
HA70 complex-Sepa
SBA
ACL
Native SPA
WGA(Seikagaku Bio)
UEA-I
SBA
PNA
PNA
PTA
PTA-Gal
UEA
PhoSPL (Sp)
DC-ASGPR sinot
MGL-8
MGL-8 18
hGal-1-488+BGP5
#15 Sialyl Lewis X (Neo)
LWF Neo (Neo)
VLRB.aGP2-23
VLRB.aGP2-33
VLRB.aGP2-38
ME7(detected with a-HUD)
LSL-155
LSL-156
ME5(detected with a-HUD)
WT-XCC
WGA
SNA
hJAA-F11-B1
MAN II
GSL-1
GSL-I
CSA(EY Lab)
P11 VRA
P11 VRA
ASL
DSL
Threo-GB
DEL
DEL
VAA
NPA
NPA
CGA
CGA
MAA
MAA(Seikagaku)
WGA
WGA
PCP-1
Mouse NKCP1
MGL-1
HPA
CA19-9 (AE Lab)
TL (TSRI)
Sp SSEA-3 (Neo)
Sp SSEA-4 (Neo)
EEL
EEL
AOL (Mahal Lab)
GNA (EY Lab)
TcFBP
#14 Sialyl Lewis X (Calbio)
MAA(EY Lab)
UEA
VGA(EY Lab)
VGA
HHL
BanLec
MGL-6A
MGL-6A
#8 Lewis B (T218) (Calbio)
PNA
ACL
PHA-L
PHA-E
Mono1-1-1-15
Sp Serotype 14-15
CA19-9-12 SLE
Mouse Galectin1
MGL-6A-12B3
Mono2-3-CONI
CVN
UDA
GS-II (EY Lab)
MAL
WT Galectin3
HHA(EY Lab)
SSL-1
SSL-2
T
T-A
T-A-T
Epa1-Np mutant E227G
Epa1-Np mutant Y226W
Epa1-Np mutant E227G
Epa1-Np mutant E227G
BTT-E
PHA-E
Epa1-Np mutant Y226A
Galectin-C
Mono2-1-CONA
Epa1-Np mutant Y226A
Galectin-1
Epa1-Np
CGL
CGL
Human Galectin1
RCA (Vector)
BPL
DSL
Dectin-1
Dectin-2
Galectin-3
CC1G-Fc(Sp)
Rnp
VVHA (Neo)
human Gal-7
Anti-Epo
mouse Gal-7

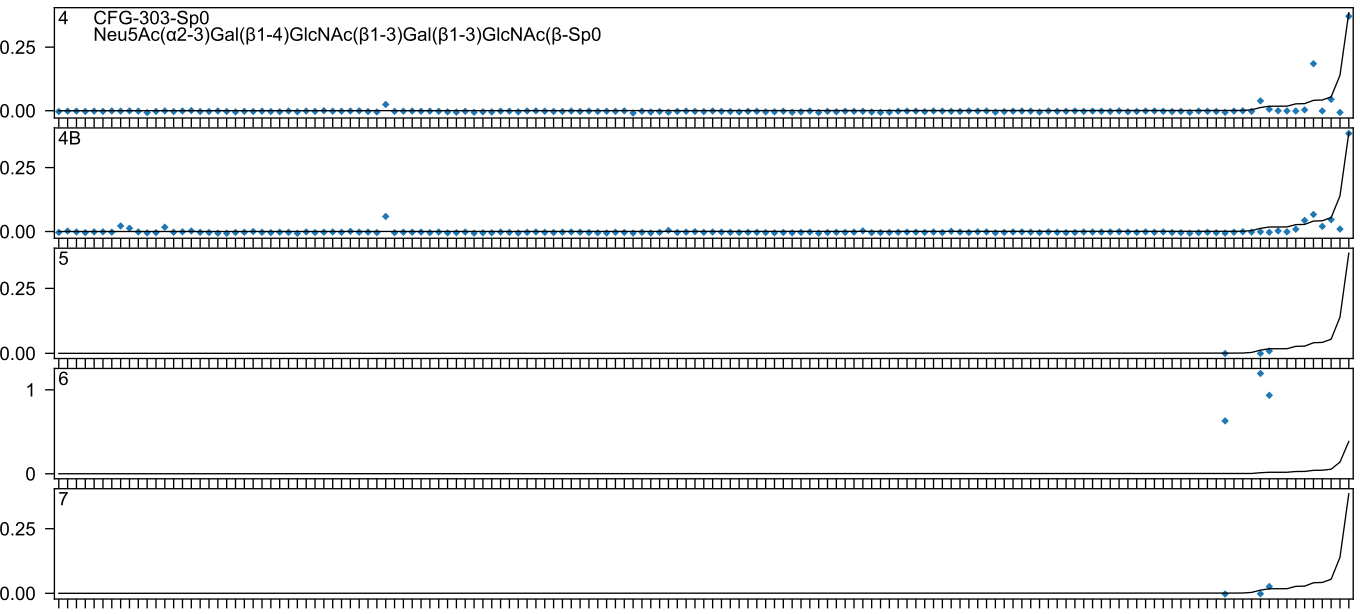

4
CFG-298-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc6OS(β-Sp0
4B
5
6
7
0.5
0.0
1
0
PHA-E
PHA-L
GSL-I
GSL-II
DBA
TL(EY Lab)
LCA
GSL-IV-A
PSA
LSL-NPA
PNA
MAL I
UEA I
MAL II
ME5(detected with a-HRP)
CA19-9-Sp
PHA-Gal
SNA
VVL
Anti-LeC
DSA
OGL
Avastin-Fc
PNA(Vector)
hGal-1-488+BCR
WGA
PAA
PVL
HA70 complex
Mouse NKR-P1C
WGA(Seikagaku Bio)
Mouse CD69
#8 Lewis B (T218) (Abcam)
APCNVH
SBA
WT Galectin-3
NV-VB-PC3
Sp Serotype 14
Sp Serotype 1
PHA-E
Sp Serotype 14-15
PHA-L
Native HPA
HPA
GSL-I-B4
AAL
AAC
Bauhinia
ABH
TJA-I
ABA
PHA-E
WGA (EY Lab)
LEA (EY Lab)
Mono1-LN1
PVR
CA19-9-428
Oncofetal
CD99
Epa1-Np mutant Y228V
IPSC-1(Abcam)
Epa1-Np mutant CAMBI
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant Y228V
PTA
ACL
HML-Neu14
CA19-9-1116
Rot1
MGL-2-16
GS-II (EY Lab)
Threonin
HGA
MGL
HPA
MGL 6A
Gal-2
Gal-3
Gal-3C
VGA(EY Lab)
Mono2-LN1
Microvillin
Microvillin
a55
CSA(EY Lab)
CA19-9-123
VLRB-Galectin-2
Galectin-2
MAL II
UMP
MGL
mouse PSA
Epa1-Np mutant E
EGCA
ECL
HHA(EY Lab)
UEA I
GNA (EY Lab)
human Gal-7
Mouse Galectin1
RCA I (Vector)
RCA(Vector)
Gal-3
MAA(Seikagaku)
P11-3B8
#15 Sialyl Lewis X (BD)
WFL
Epa1-Np mutant E
Epa1-Np WT
SSL0-488
SVB
ME7(detected with a-HRP)
BTL native
DC-ASGPR
LEL
hAAT1-B11
VVHA-biotin
WT-DCC
Human Galectin1
BPL
AOL (Marbal-Bio)
AAL

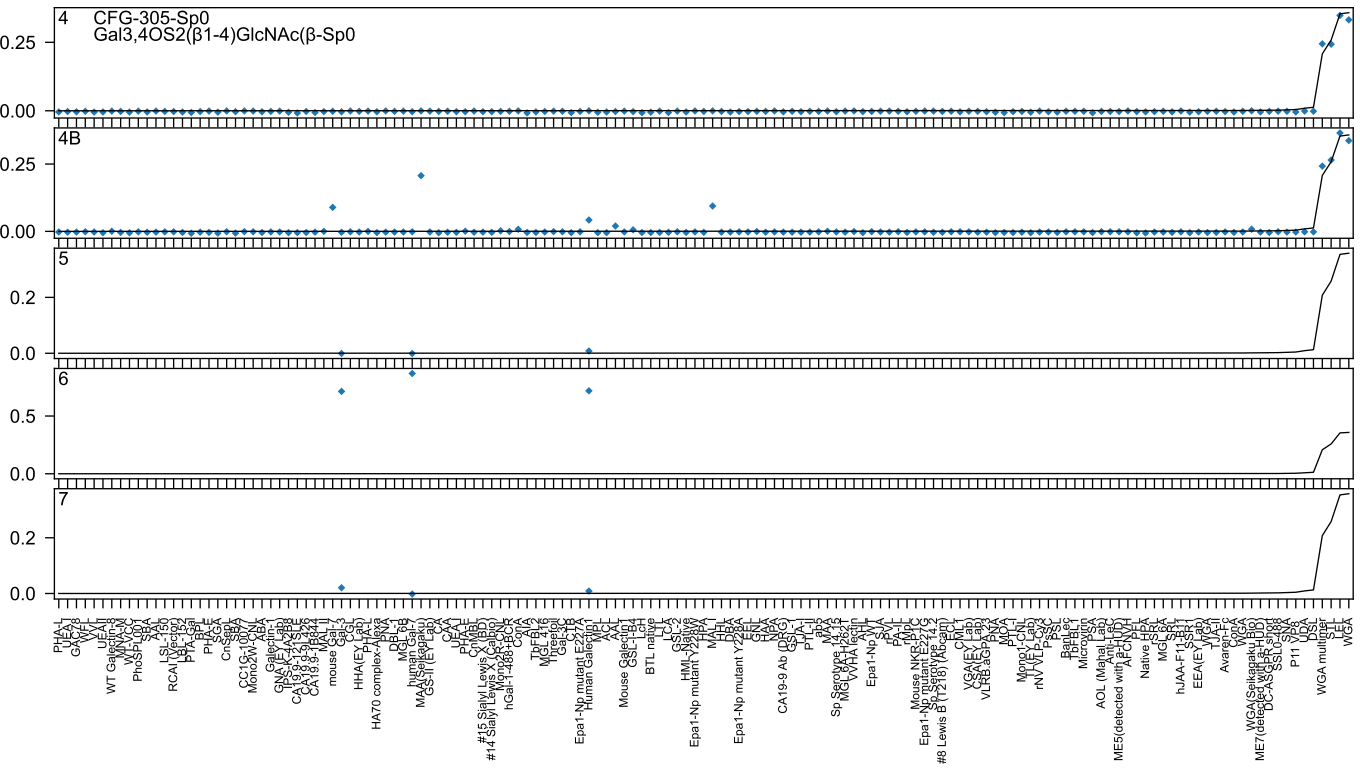

4
CFG-299-Sp0
Gal(β1-4)[Fuc(α1-3)]Glc6OS(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
SMA
SJA
PNA
GSL-I-B4
PSA
Sp Serotype 14
MAA(Seikagaku)
DC-ASGPR
MGL 416
PhoSL
DBA
AIA
SYL
TL-I(EY Lab)
#8 Lewis B (T218)
ACA(Vector)
LSL-A10
MOA
IPS-K-4
Human Galectin-3
EC1
SJA
SBA
HHL
GNL
Gal-3C
Gal-1
hGal-1488-9GR
VLRB.aG9-1
GSL-I
PVA
VVA
Epa1-Np mutant E216Q
#15 Sialyl Lewis X
MAA
Mouse MGL-1 PC
Native EBA
Sp Serotype 7
F2
HA70 cpnBAK-Alexa
EEA(EY Lab)
LEL
Microvibrio
LBL-152
GNA(Vector)
GSL-I-B
CSA(EY Lab)
CA19-9-9G8
PSL
Mouse Galectin-1
P11 VP8
CnMBL
MAA
MAL
VGA(EY Lab)
HML-Native
MGL 6A
#14 Sialyl Lewis X (Calbiochem)
UEA
MPA
LEA
DSL
GSL-II (EY Lab)
CA19-9-F21-1-5-B
Wheat gl
MGL 1-5
BanLec
CrvA
CML
Epa1-Np mutant Y228W
PHA-L
CA19-9 Ab (DAKO)
ASL
MVA-N
GNA (EY Lab)
SSA(R)
TcBL-2
UEA-I
PTL-II
CA19.9-F8G4
ABA
WT Galectin-1
MGL 6A-F28G3
PAA
HHA(EY Lab)
DBL-1
STL
WGA(Seikagaku)
PNA
VVHA
NgBL
Galectin-7
Epa1-Np mutant Y228A
VGA
CnSep1
PTL-I
CC1G-10077
SSL0-188
human Galectin-9
Mono1-CNL
Epa1-Np mutant Y228Q
AvaEz-LC
PHA-E
mouse Galectin-9
hAA-F11-B11
Epa1-Np WT
Mono2R-CNL
Mono2N-CNL
CTB
BTL
nBP
rNV VLP-Cy3
MEF(detected with a-HUD)
MEF(detected with a-WP)
RCA I(Vector)
AOL (Marbal Lab)
AAL

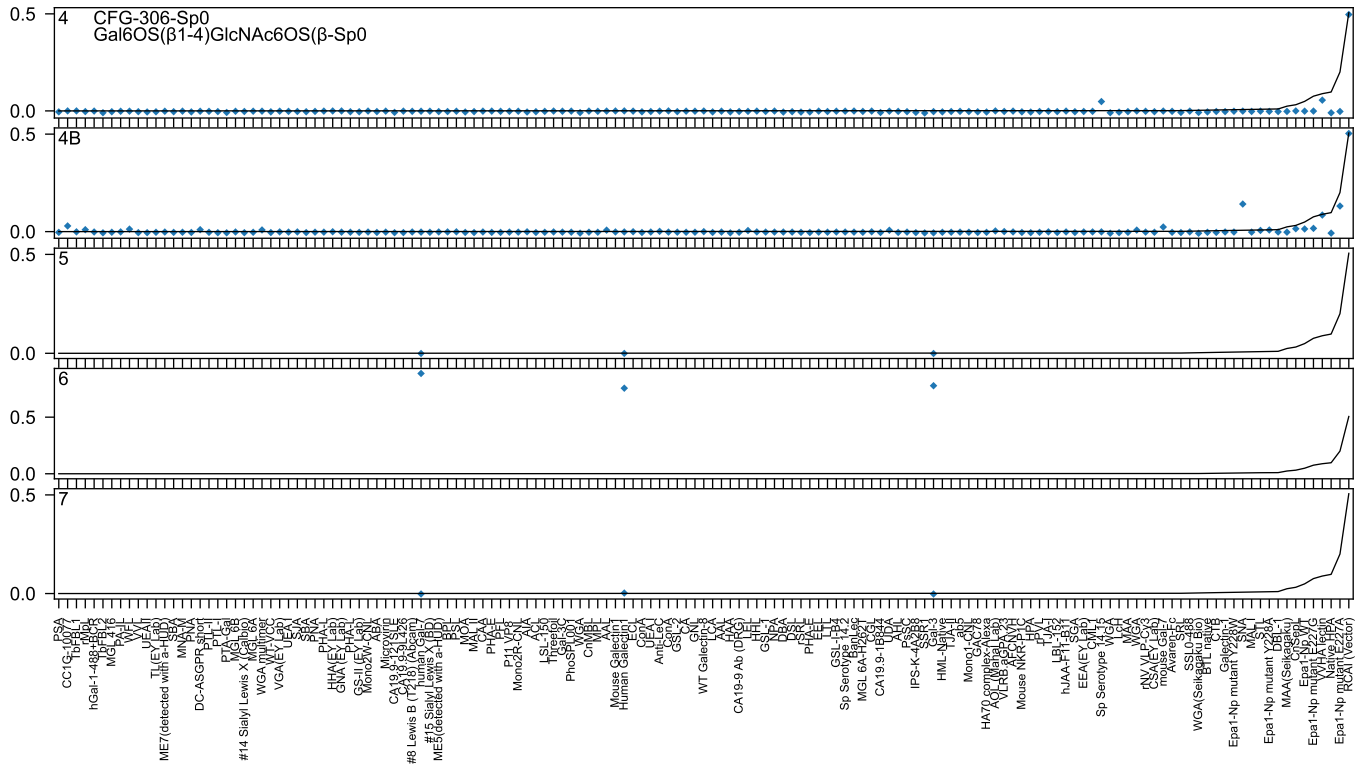

4
CFG-300-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
Gal-3
Gal-1
VVHA (Seq)
WGA multimer
HA70 complex (Alexa
CC1G-10077
WGA(Seikagaku)
BPL
VIA
TL(EY Lab)
UEA-I
RCAI (Vector)
PHA-E
PHA-L
human Gal-7
CA19.9 W4-2
Epa1-Np mutant Y228A
Epa1-Np mutant Y228W
PhoS-PD001
Sp Serotype 14
hGal-1 488-BGR
#15 Sialyl Lewis X (BD)
NVV B-CX8
rNVV B-CX8
Gs-HUD
ME7(detected with Gs-
WT-AOL
WGA
SSA
PNA
SBA
IPS-K-1-A488
PNA
MGL 6A-H
MGL 6A-P
Mouse NKR-P1C
WGA
AIA
Mouse Galectin1
GSL-I B4
DBA
DSL
EEL
MAL
ConA
Human Galectin-1
CA
#14 Sialyl Lewis X (Glycotech)
GNA (EY Lab)
Epa1-Np WT
AntiLeC
CA19-9 Ab (DSHB)
CA19.9 hEB12
Sp Serotype 14
AHL
WT Galectin-1
HPA
GSL-I
LPA
Epa1-Np mutant E229A
MGL 4.416
mouse AFCNVH
Avarol
PSA
PSSC
GSL-I
EEA
LSL-150
Epa1-Np mutant E229Q
ACG
GNA
SRL
MGL
BSA
MAA(Seikagaku)
VLA-B (Glycotech)
Mono2R-CNL
CSA(EY Lab)
#8 Lewis B (T218) (Abcam)
Naive HPA
Threefold
LBL-152
UDA
VGA(EY Lab)
Gal-8
VVL
ECA
MNA
DEAE
PHA-T
PSL
PAL
PAA
NPA
MOA
Microvillin
CA19.9-12
UEA-I
ConA
ConA
BanMac
CTB
Mono2W-CNL
SNA
Galectin-1
SBA
ABA
hMAA(EY Lab)
hMAA(EY Lab)
Mono1-CNL
PTA-Gal
MES(detected with Gs-
DC-ASGPR-Fc
LTL
GS-II (EY Lab)
BPL
AOL (Matlab-BPL)
AAL

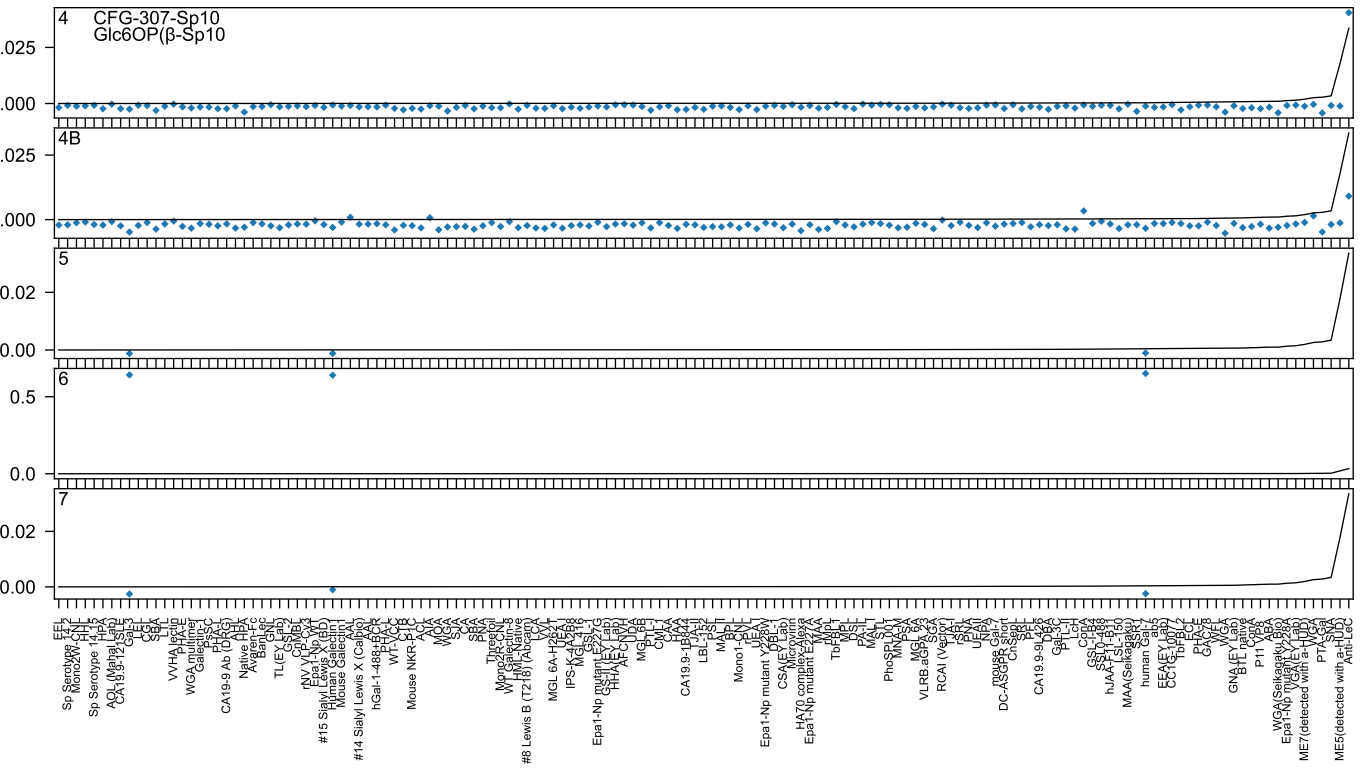

4
CFG-301-Sp0
Gal(β1-4)GlcNAc(β1-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.2
1
0
MGL-6A-H2627
Bis-9
CA19.9-121SLE
CA19.9-121SLE
hGal-1-488+BGR
MGL-416
DC-ASGPR-488
Sp Serotype 14-2
WGA multimer
WGA monomer
MGL-488
TbPBL
PsSC
SGA
WGA(Seikagaku,Bio)
XVI
#15 Sialyl Lewis X (BD)
TJA-II
MPL
PhoSP0001
ABO
ABO
#8 Lewis B (T218) (Abcam)
HNA
ME7(detected with β-HUD)
SSL0488
SSL0488
BT-HUD
LSL-155
ME5(detected with β-HUD)
WT-NGX
VGA
VGA(EY Lab)
PNA
PNA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
BPL
Mono2W(Lab)
AoL(Maine Biotech)
PTA
PTA
Eal
HPL
PTL-I
PTL-II
ERL
GSL-I
GSL-II
GlcA
GlcA
PA
HLA
P11 VP8
HLA
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
Epa1-Np mutant G226A
Mono2R-CBM
DSL
MAL-II
PSL
PHA-E
MAA
NEA
NEA
#14 Sialyl Lewis X (Calbio)
MAA(Seikagaku)
Epa1-Np mutant Y228A
SSA
GNA
MOA
MNA-M
MNA-M
Bam Lec
Sp Serotype 1-4-2
PHA-E
PHA-E
CSA(EY Lab)
SBA
CA19.9 Ab (DCS)
RN VL PCS
TAA
MGL-6A
Mouse NKR-P1C
PNA
TL(EY Lab)
GSL-IB4
MAL(EY Lab)
ELA(EY Lab)
CCL
PSA
UEA-I
VLRB.aGPA.23
Avegrin-Fc
DBL-1
hJAA-F11-B1
STL
BTL (native)
Epa1-Np WT
Galectin-1
CA19.9-1SLNA
ConA
Human Galectin-1
Tomato
ECL
Galectin-3
Galectin-3C
WT Galectin-8
Native PFA
VVHA lectin
CC1.G-1-10B7
human Gal-7
RCA(EY Lab)
Anti-LEC

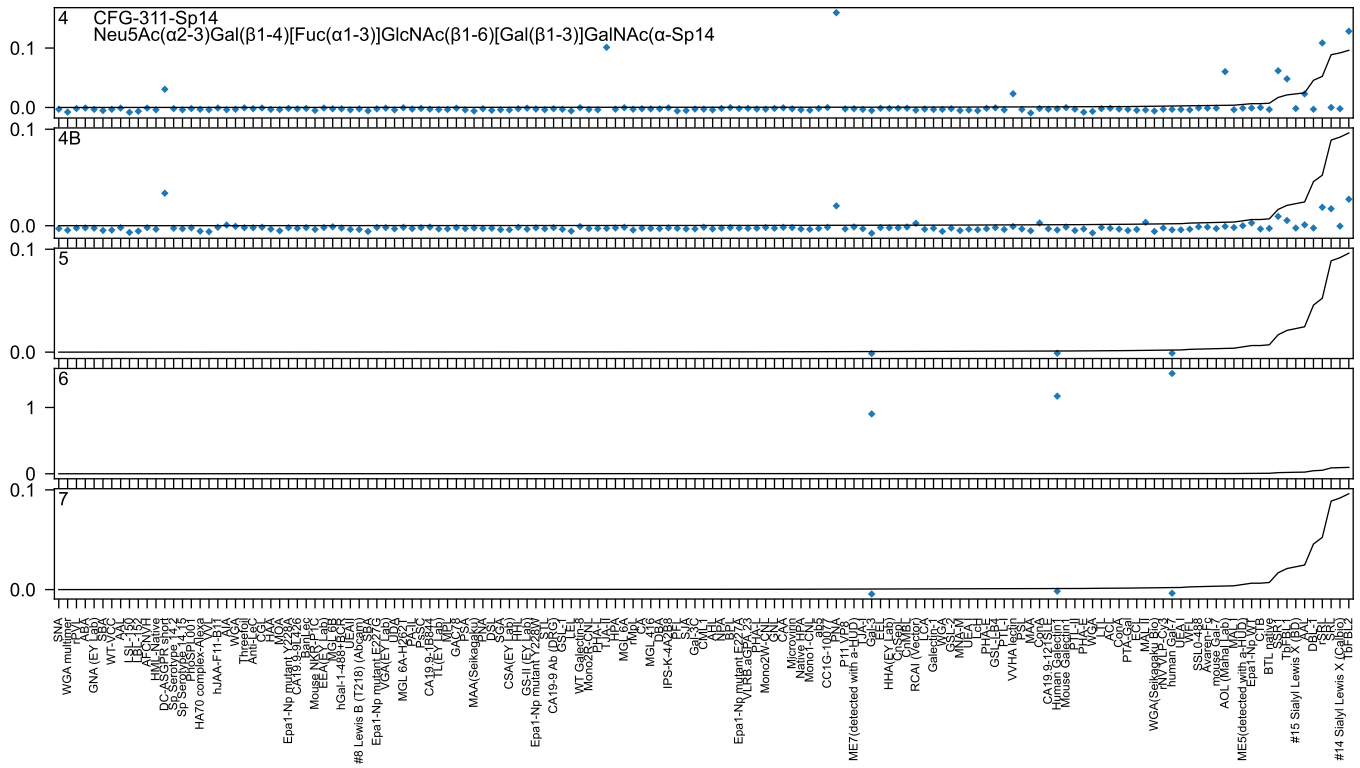

4
CFG-302-Sp0
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
1
0
SNA
GNA (EY Lab)
GS-II (EY Lab)
Mono2W-PNL
ABA
AOL (Mahal Lab)
ab5
IPS
Mcrxx88
VVA
Jacalin
MGL-6A
MGL-6B
Tbp
Napl
Native BPA
PAL
WGA(Seikagaku)
VVL
TL(EY Lab)
DBA-1
EBA
SBA
SJA
Epa1-Conv
Epa1-Nb mutant E227A
Epa1-Nb mutant E226A
Epa1-Nb mutant E228A
Epa1-Nb mutant Y228W
PhoSP
LBL
GNL
Sp Serotype 3
DC-ASGPR
MGL-B18
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
IMP Native
LBL-155
AAL
WT-WGA
VGA(EY Lab)
UEA-I
SNL
hJAA-F11
GNL
AOL
LEL
P11
PE
CA
GSL-2
GSL-I
EEL
GSL-I-B4
CSA(EY Lab)
HPA
HAA
Mouse NKR-P1C
DBA
NPA
UEA
RCAI (Vector)
PTL-I
PNA
CGA
Mouse Galectin-1
EcL
PSL
MAL-I
MAA(Seikagaku)
VGA
PHA-E
PHA-L
Threelgl
DSL
rNV VLP-Cy3
MGL 6A-HRP
CGL
CrmCT
BTL native
HA70 complex-Alexa
UEA-I
VLRB.aGPA23
MNA-M
hGal-1-488+BCS
Sp Sialoprotein
Mono67-CNL
CA19-9 AE-ORN9
CC1G-10077
WGA
#8 Lewis B (T218) (Abcam)
Monoclonal
Banlec
MGL
UEA
DBA
EEA(EY Lab)
WGA(Vector)
GAC78
ssLDP-8
PSA
HHA(EY Lab)
Galectin-1
ME7(detected with a-HUD)
ME5(detected with a-HUD)
Avarpti-EC
a-Gal-UC
Human Galectin1
WT Galectin-1
WGA
PV-1
CA19.9-gF426
CA19.9-fB434
human Gal-7
CA19.9-gF-18C
Anti-LeC

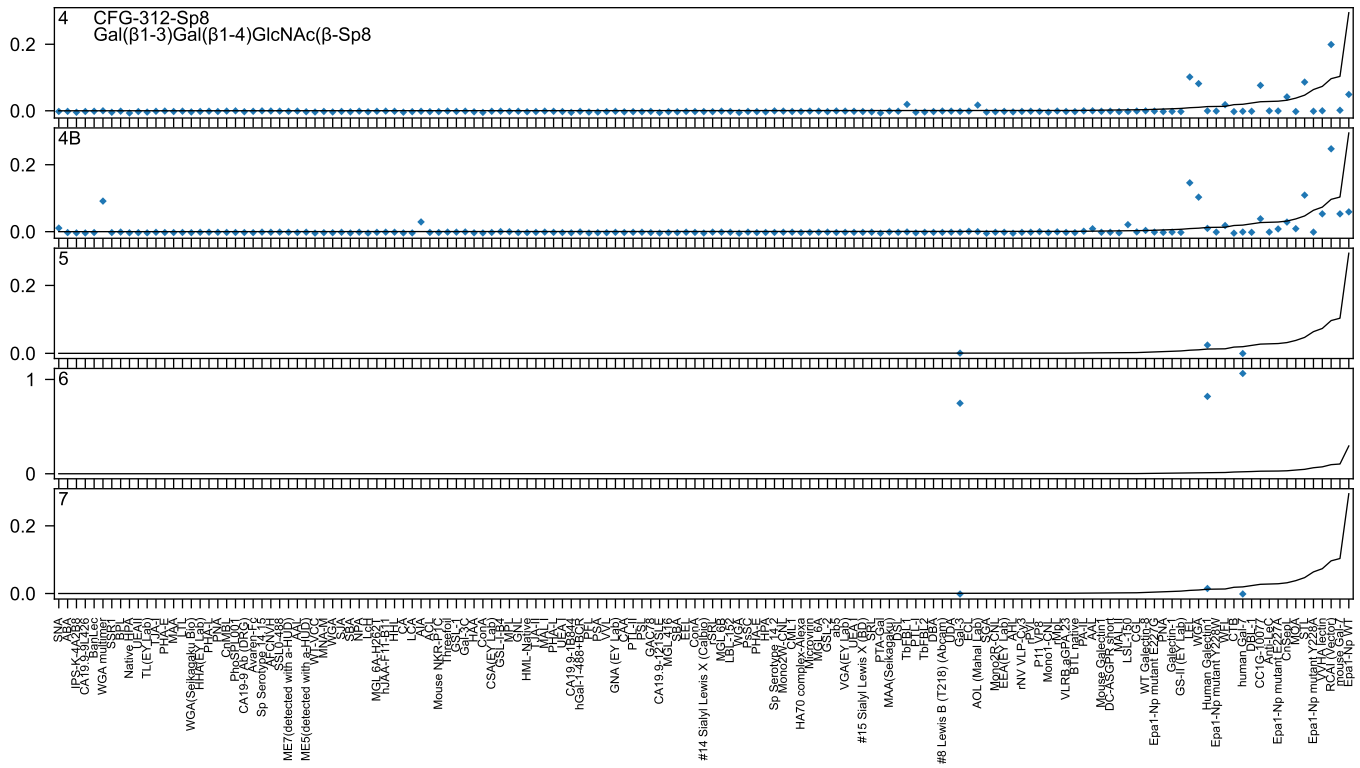

4
CFG-303-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
1
0
SNA
SNA
Mono2W-CNL
CNL
AOL (Mahal Lab)
abs
Microspin
IPS-K-42288
CA19.9-1B3B4
Lectin
WGA multimer
HA70 complex
WGA dimer
DBL-1
MOR-07
CC1G-10-07
TIMP1
SNA
ALL
WGA(Seikagaku)
Bch
PAL
VVL
WFL
UEA1
TJA-I
GS-II (EY Lab)
EEA (EY Lab)
HHA (EY Lab)
Epa1-Np WT
Epa1-Np mutant E229A
Epa1-Np mutant E229A
PropS-PC001
Avaegrin-1c
Sp Serotype 6 native
DC-ASGPR short
#14 Sialyl Lewis X (native)
#15 Sialyl Lewis X (BD)
VLRB.aGP.23
VLRB.aGP.33
ME7(detected with a HuD)
LSL-155
ME5(detected with a HuD)
MVA
MNA-CK
VGA(EY Lab)
SSA
SNA
PNA
PHA-L
GNA (EY Lab)
MGL(EY Lab)
MGL(EY Lab)
Mono2P-CNL
PTL (Vector)
PFL
LCA
TJA-II
CAA
NPA
LCA
CSA(EY Lab)
LFA
HPA
HAA
DBA
CpA
GSL-IB4
GSL-I
UA
HT
PSA
PSA
EVA
UEA
CpA
Mouse Galectin-1
PIA-Gal
PIA-C
PIA-T
MAL
MAL
PHA-E
CTB
GSL-2
GNL
GSL-3
Mono1-CSL
CA19.9-12D5
UEA1
CA19.9-B-D (DRG)
CA19.9-5A10
PNA
Fucs
Mouse NKR-P1-C
Epa1-Np mutant E229A
Epa1-Np mutant E229A
Threefoil
HWA-CRIVII
Anthrax
Bam-Les
Sp Serotype 6 BL2
RCAI (Vector)
GFP-Gal
WT Galectin-1
MGL 416
CnSpl
hGal-1-488-PTC-1
AAL
MGA
Agaricus
PTL-II
Gal-3C
#8 Lewis B (T218) (Cayman)
Gal-1
Gal-3
VVA
PHA-E(Vector)
PSV
human Galectin-1
Human Galectin-1
MAL
SSL-1
SSL-1/48
STL
mouse Galectin-7
MAA(Seikagaku)
Native HPA
Anti-LeC

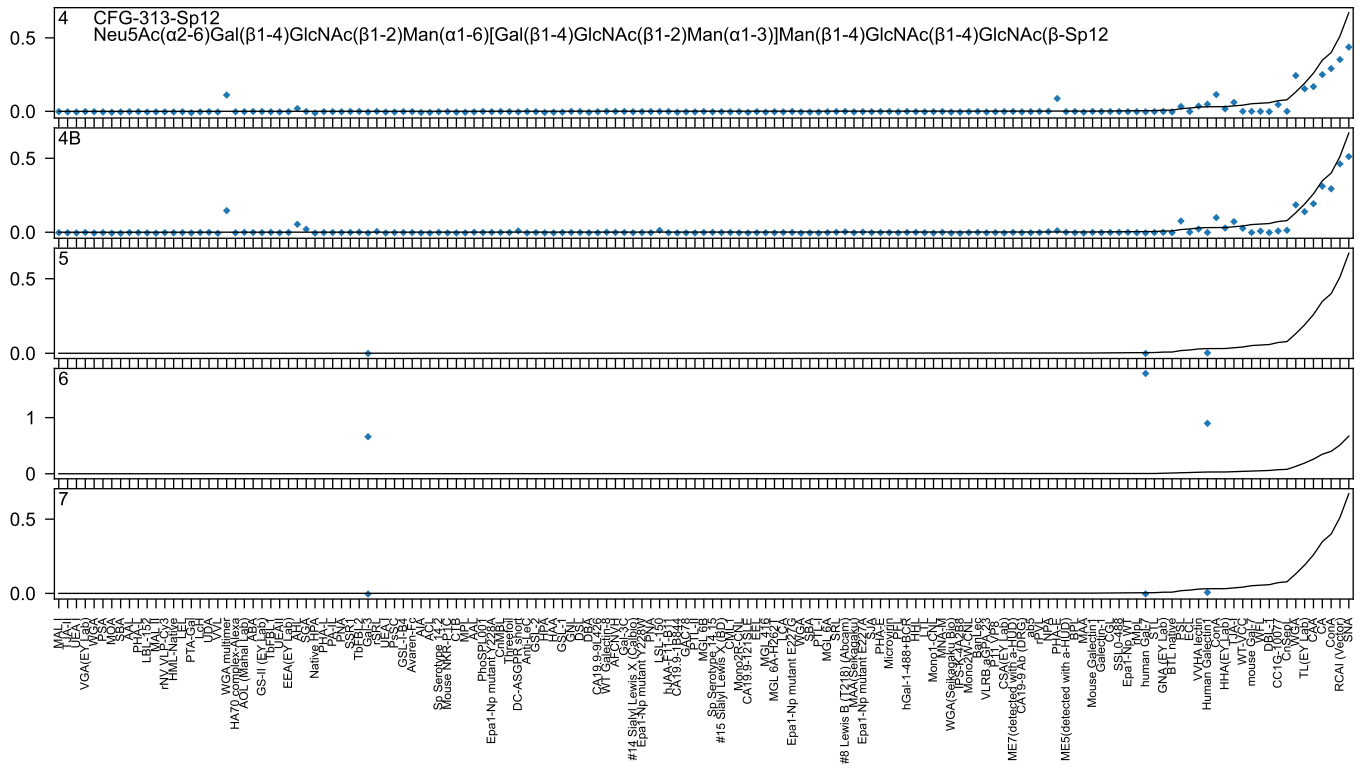

4
CFG-305-Sp0
Gal3,4OS2(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.2
0.5
PHA-L
PHA-E
GAC78
VVL
UEA-I
WT Galectin-1
MAA
WFA
PhoSL-100
SBA
LSL-100
RCA(I)Ricin
PNA
PHA-Gal
BPL
SGA
Cn-Sera
CC10-10077
Mono2W-10077
ABA
Galectin-1
GNA-Galectin-1
TPS-K-42-88
CA19-9-1-5D5
CA19-9-1-8844
mouse Gal-1
Gal-3
HHA(EY Lab)
PHA-L
HA70 complex-PNA
PNA
MGL
Human Gal-7
MAA-Gal-7
GS-IV(EY Lab)
ACA
CA
UEA-I
ONAE
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Abcam)
hGal-1-488-BCR
CA
AIA
DSA
Tor-B12
Mouse Gal-7
Treegol
Gal-3B
Epa1-Np mutant E227A
Human Galectin-1
WFL
AOL
Mouse Galectin-1
GSL-I-B4
BTL native
LCA
GSL-2
HML
Epa1-Np mutant Y228W
MPA
HPL
Epa1-Np mutant Y228A
EEL
HPA
CA19-9 Ab (GSC)
PUL-I
abs
Sp Serotype M15
MGL 8A1-2b21
VVHA (Kishi)
Epa1-Np WT
PVL
PNL
Mouse NKB-P1C
Epa1-Np mutant E227A
Sp Serotype 14.2
#8 Lewis B(T218) (Abcam)
CML1
VGA(EY Lab)
VLRB.aGPA-23
MGA
Mono1-PNL
HHL(EY Lab)
nVVL
PA-GC2
PSL
Barley
Microvirin
AOL (Mahal Lab)
Anti-LBP
ME5(detected with APCNOH)
Native HPA
SSL
MGSL
hJAA-F11-B11
EEA(EY Lab)
TJA-I
Avaren-F
VGA
WGA(Seikagaku BIO)
ME7(detected with DE-A18)
SGHR sino
SSLO-Ca188
P11
VPB
DSA
WGA multimer
SEL
WGA

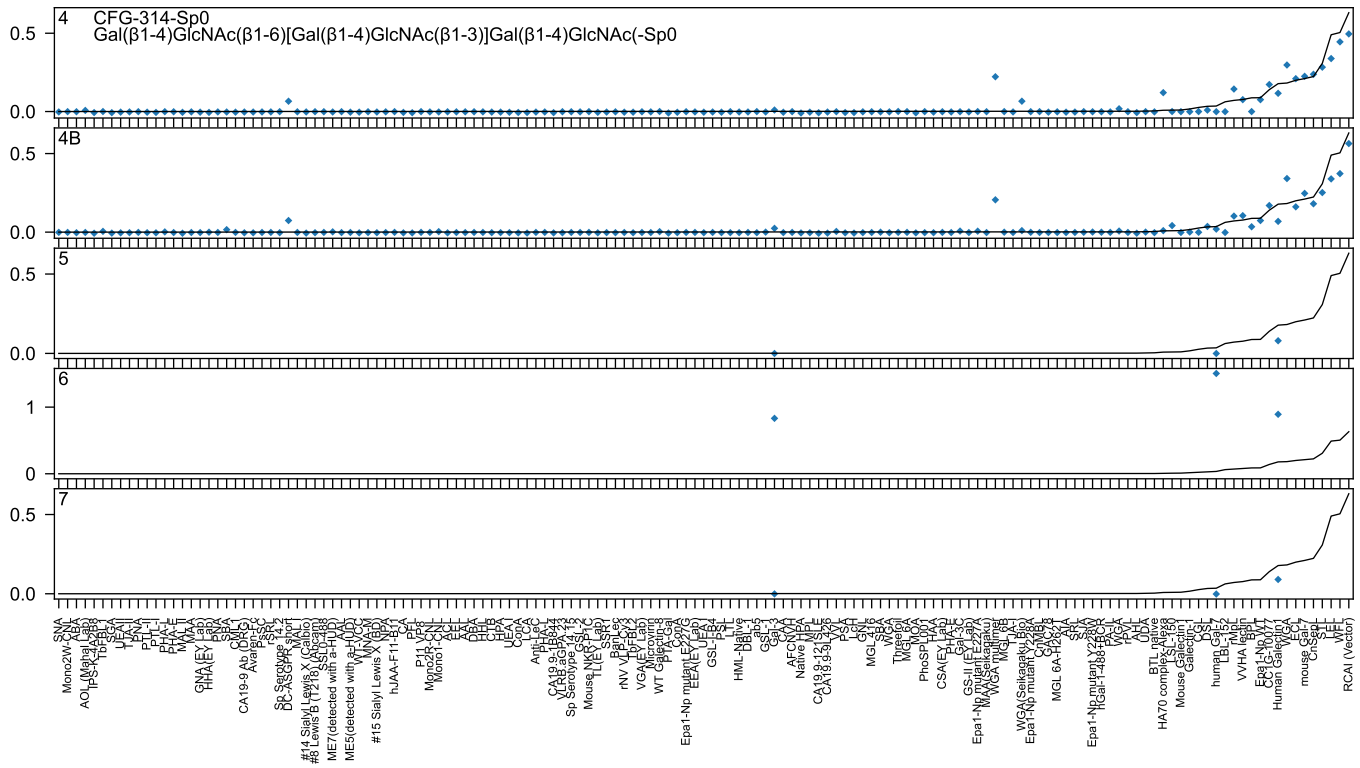

4
CFG-306-Sp0
Gal6OS(β1-4)GlcNAc6OS(β-Sp0
4B
5
6
7
0.5
0.0
P2A
CC1G-1027
TcPBL1
TcPBL2
hGal-1-488-BOR
MGL-PE12
MGL-PE12
WF
VEAII
TJ (E-Lab)
ME7(detected with a-Hgb)
SBA
MNA
PNA
DC-ASGPR
Biotin
PTL-I
PTL-II
MGL-6a
MGL-6b
#14 Sialyl Lewis X (Kaibio)
MAL
WGA (Vector)
VGA(E-Lab)
VGA(E-Lab)
UEA1
SSA
PNA
PNA
PL-1
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
Mono2W-xBR
Microvirin
CA19-9 (31)
CA19-9 (126)
#8 Lewis B (12-218) (Abcam)
#15 Sialyl Lewis X (Hgb)
ME5(detected with a-Hgb)
BSL
BSI
MAL
MAL
CAA
PHA-E
PHA-L
PJ1
VR8
Mono2R-xBR
AIA
AIA
LSL 250
Tnresolgl
PhoSPnOt
WGA
CnWA
MPA
AAL
Mouse Galectin-8
Human Galectin1
ECA
UEA1
Ara-Lex
GSL-2
GNL
WT Galectin-8
AAL
AAL
CA19-9 Ab (DRG)
LEL
LEL
GSL-I-B4
NEA
DSL
DSA
PNA
PHA-E
EEL
EEL
GSL-I-B4
Sp Serotype 14.2
Sp Serotype 19.2
MGL 6A-1B2G
CA19.9-1B2G
UDA
PSA
PSA
IPS-K-4A2B3
SNA
Sal-3
Sal-3
HML-Native
HML-Native
Mono-LAC78
abo
HA70 complex-Alexa
Ag Marsh-Alexa
VOLREP-Alexa
AECOVI
Mouse NKR-P1
HPA
TJA-I
TJA-II
hJAA-F11
LBL-162
LBL-162
EEA(EY Lab)
EEA(EY Lab)
Sp Serotype 14.15
WGA
LCA
MAA
MAA
rNV VLP-CGA
CSA(EY Lab)
mouse Galectin-1
Avarellin
SSL6
SSL6
WGA(Seikagaku Bio)
BYL nature
Galectin-1
Epa1-Np mutant Y228A
SNA
MAL
MAL
Epa1-Np mutant Y228A
DBL-1
MAA(Seikagaku)
CoSepH
Epa1-Np mutant N227G
Epa1-Np mutant N227G
WGA Texas
Epa1-Np mutant E227A
RCA1 (Vector)

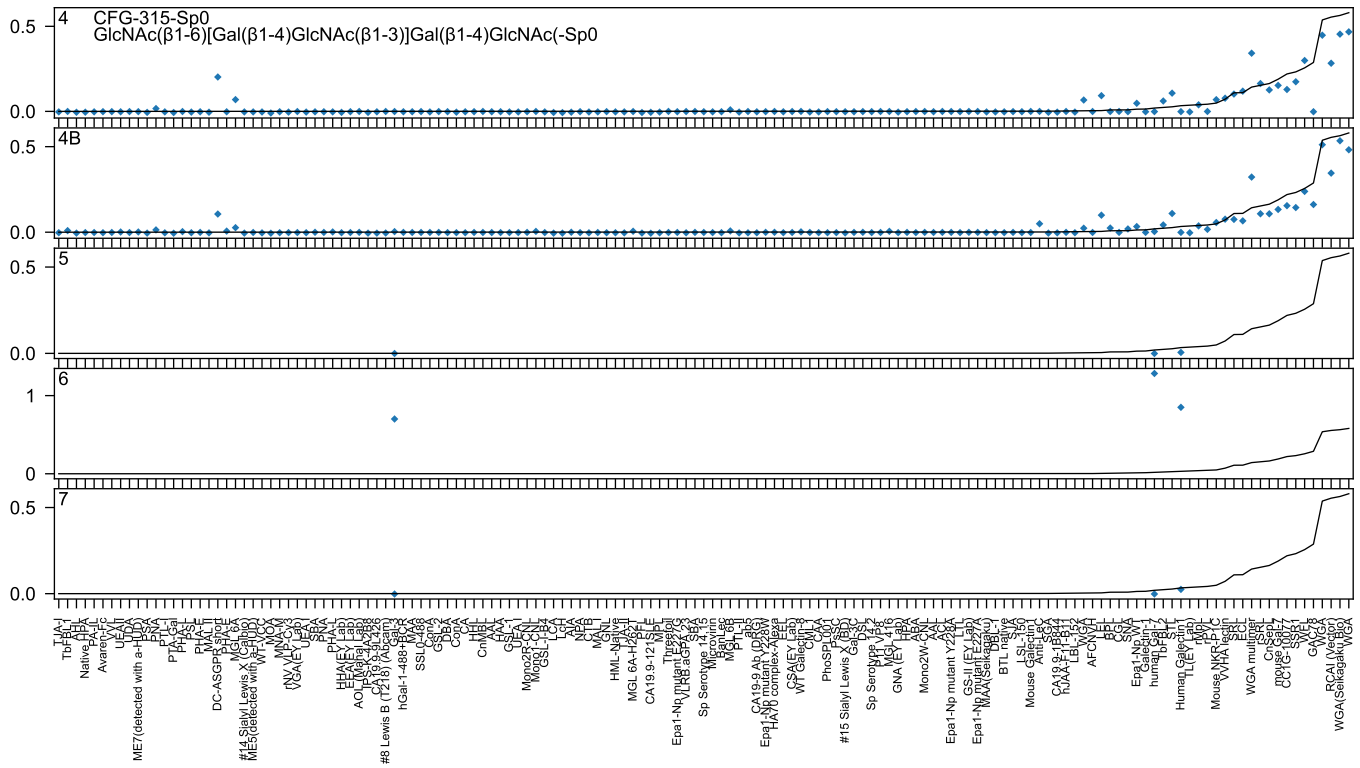

4
CFG-307-Sp10
Glc6OP(β-Sp10
.025
.000
4B
.025
.000
5
0.02
0.00
6
0.5
0.0
7
0.02
0.00
EEL
ECA
Sp Serotype 1
Mono2W-cNT
Sp Serotype 14-15
HPA
AOL (Matrix)
CA19.9-12
STL
Gal3
CGL
SNA
VVHA
ecLD
WGA multimer
Galectin-1
PHA-L
CA19.9 Ab (DAKO)
Native HPA
Avidin-Lec
Bast-Lec
TL(EY Lab)
GNL
GSII-B2
rNV VP1.0
Epa1-Np WT
#15 Sialyl Lewis X (Calbiochem)
Human Galectin-1
Mouse Galectin-1
#14 Sialyl Lewis X (Calbiochem)
hGal-1-488+6GA
PHA-L
WT-CTB
Mouse NKR-P1C
AIA
WGA
VVA
SJA
SEA
PNA
Thy1
Mono2Recon
W-Galectin-8
#8 Lewis B (T2-18) (Abcam)
LCA
MGL 6A-H2B1
IPS-K-47B8
MGL 4-16
Epa1-Np mutant E227G
GSL(EY Lab)
HHA
APCNT
MGL 6B
PHL-I
CVN
CA19.9-1
HAA
PAI
LBL-1SE
MAL I
Mono1-BN
JEL
Epa1-Np mutant Y228W
UEA-I
CSA(EY Lab)
Epa1-Np mutant Y228A
Microvirin
HA70 complex
Epa1-Np mutant E227A
MAA
TbPBP1
MIL
PAL
MAL I
PhoSPL001
MNA
BSA
MGL 6A
VLRB.aGFS
SGA
RCAI (Vector)
rSRL
UEA-I
NPA
mouse Sialoprotein
DC-ASGPR Short
ChSerB
PSL
CA19.9-9
PGA
PL
Gal-3C
LCA
CGA
GSL-I-B4
SSL0-488
hJAA-FSL-B10
MAA(Seikagaku)
human Sialoprotein
ab5
EEA(EY Lab)
CCA
TbPBP2
PHA-E
GNA
WGA
GNA(EY Lab)
B-Tri
P11
CGA
ABA
WGA(Seikagaku)
Epa1Np mutant
WGA(EY Lab)
MET(detected with a-MET)
PTA
Gal
MEs(detected with a-HUD)
Anti-LeC

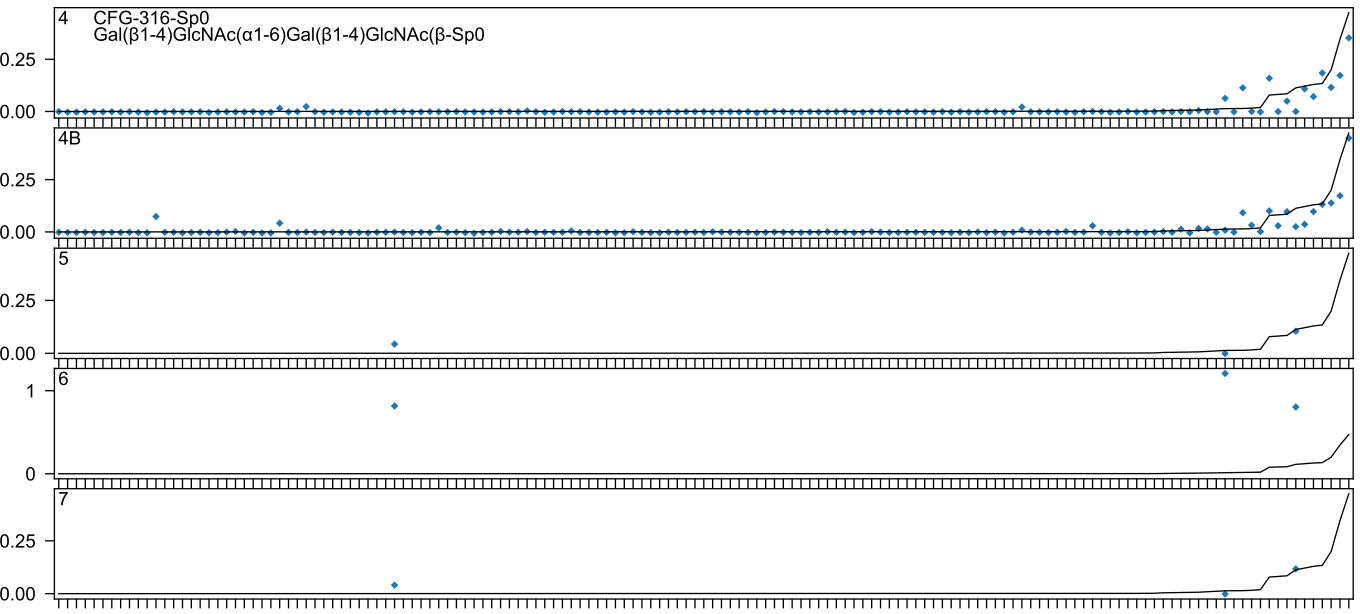

4
CFG-311-Sp14
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.1
0.0
1
0
SNA
SNA
WGA multivalent
PSA
PSA
GNA (EY Lab)
WT-SPA
SPA
AAL
LBL-180
LBL-180
APCNVH
HHA
DC-ASGPR native
Sc-Serotype_14.2
Sp Serotype_1.0.01
PhoSL1.0.01
HA70 complex-Alexa
hJAA-F11-B11
WGA
WGA
Thrombin
Amicetin
CEC
HGA
MAA
Epa1-Np mutant Y228A
CA19-9 Ab (Lab)
Mouse NKR-P1C
EEA
RCA (Lab)
hGal-1-488 (BCR)
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E227A
VGA(EY Lab)
MGL 6A-Biotin
PASL
CA19.9-FB834
TL(EY Lab)
GAC78
MAA(Seikagaku Bio)
BNA
SGA
CSA(EY Lab)
GS-II (EY Lab)
Epa1-Np mutant Y228W
CA19-9 Ab (DRG)
GSLE
WT Galectin-8
Mono2-PHAL
PHAL
TJA-I
MGL 6A
nuDA
MGL 416
IPS-K-4-2B8
BPL
Gal-3C
CMTL
NBA
Epa1-Np mutant E227
LRB a-GPA 23
Mono2W-CONL
CNA
CNA
Microvirin
Native CHA
Mono CHA
CC1G-1-B5
PNA
P11-VB8
ME7(detected with a-LUD)
LUD
Gal-5
HHA(EY Lab)
CNAW
RCAI (Vector)
Galectin-1
WGA
MNA-M
UEA-I
PHACE
GSL-I-B4
VVHA (Lab)
MAA
CA19.9-12SIA
Human Galectin1
Mouse Galectin1
PHACE
VGA
AOL
PTA-Gal
MELL
WGA(Seikagaku Bio)
human Gal-7
UEA-I
SSL0-488
Average-F
monoclonal
AOL (Maha Lab)
ME5(detected with a-LUD)
Epa1-Np WT
BTL native
TJA-II
#15 Sialyl Lewis X (BD)
DSA
DSA
#14 Sialyl Lewis X (Calbio)
TcBPL2

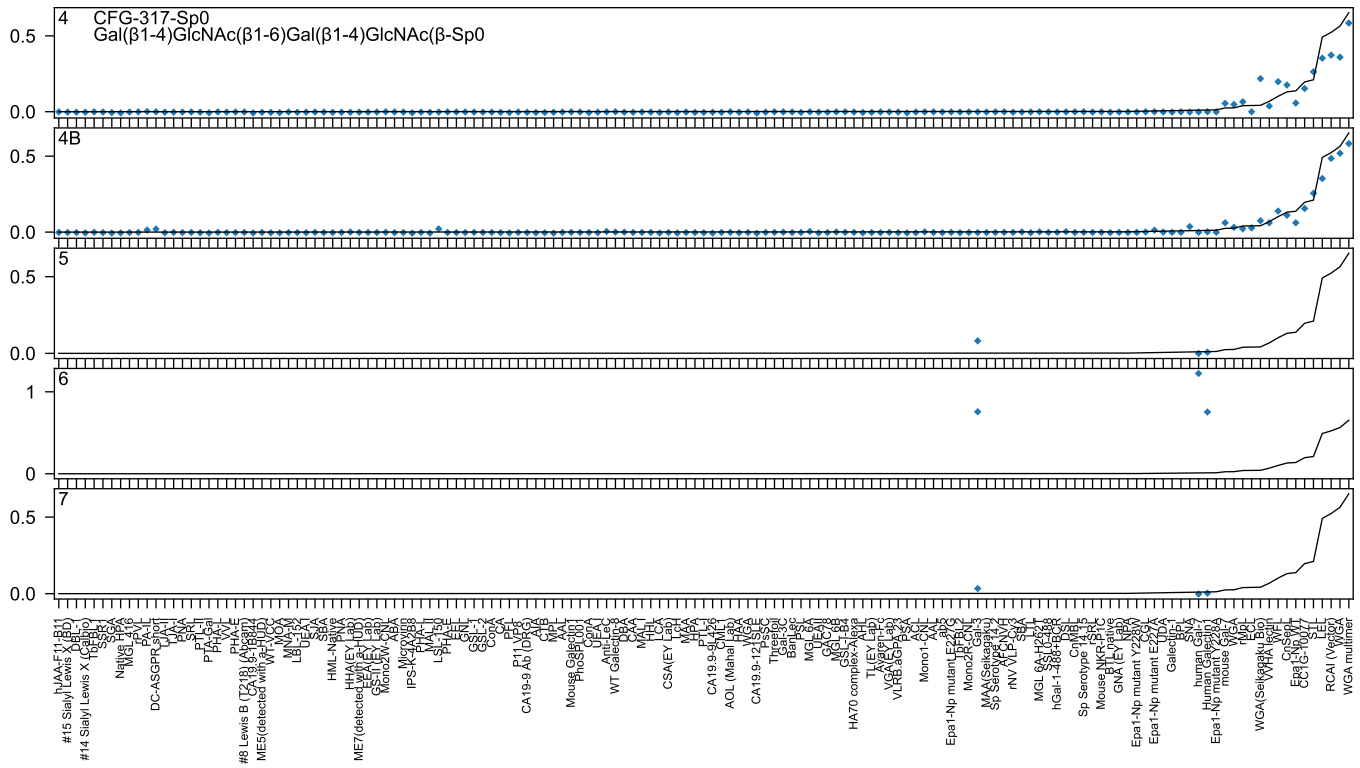

4
CFG-312-Sp8
Gal(β1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.2
0.0
1
0
SNA
SBA
PFS
K-562
CA19.9
BanLec
WGA multimer
SBA
BPL
Native
LEA
TL(EY Lab)
PHA-E
MAA
WGA(Seikagaku Bio)
HHA(EY Lab)
PNA
CSA
PhoSL
CA19-9 Ab (DRG)
Ave 1-15
Sp Serotype 14-15
ASCNA
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WT-VCA
MVGA
WGA
SJA
SNA
NPA
MGL 6A-H250
hJAX-F11-B11
PCA
LCA
AOL
Mouse NKR-P1C
Neu5Gc
Gal-1
GalNAc
ConA
CSA(EY Lab)
GSL I-B4
MGL
HML-Native
MAL-I
PHA-L
CA19.9-tBR4
hGal-1488+BGR
PSA
VVL
LAA
GNA (EY Lab)
PSL
GAC78
CA19.9-G2
MGL-S16
SBA
ConA
#14 Sialyl Lewis X (Calbio)
MGL 88
LB-WGA
PsSC
PHA
HPA
Sp Serotype 14
Sp Monoclonal
CMLT
HA70 complex-Alexa
Wheat germ
MGL 6A
GSL-I
ab2
VGA(EY Lab)
#15 Sialyl Lewis X (BD)
PTA-SBL
MAA(Seikagaku)
TbPBP
TbPNP-I
TbPNP-II
DBA
#8 Lewis B (T218) (Abcam)
Gal-3
AOL (Mahal Lab)
SCA
SBA
Mouse (EY Lab)
LEA
rNV VLP
rNV VLP
P31
Mono-1
Mono-2
VLRB.aCap
BTL
PAL
Mouse Galectin1
DC-ASGPR (BioLegend)
M-L
LSL-15
WT Galectin-1
Epa1-Np mutant E22K/G
Galectin-1
GS-II(EY Lab)
WGA
Human Galectin-1
Epa1-Np mutant Y22A/W
WFL
human Gal-1
DBL-1
CC1G
Epa1-Np mutant E22K/A
Epa1-Np mutant E22K/G
ONA
MGA
Epa1-Np mutant Y22A/A
RCA120 lectin
Mouse Gal-7
Epa1-Np WT

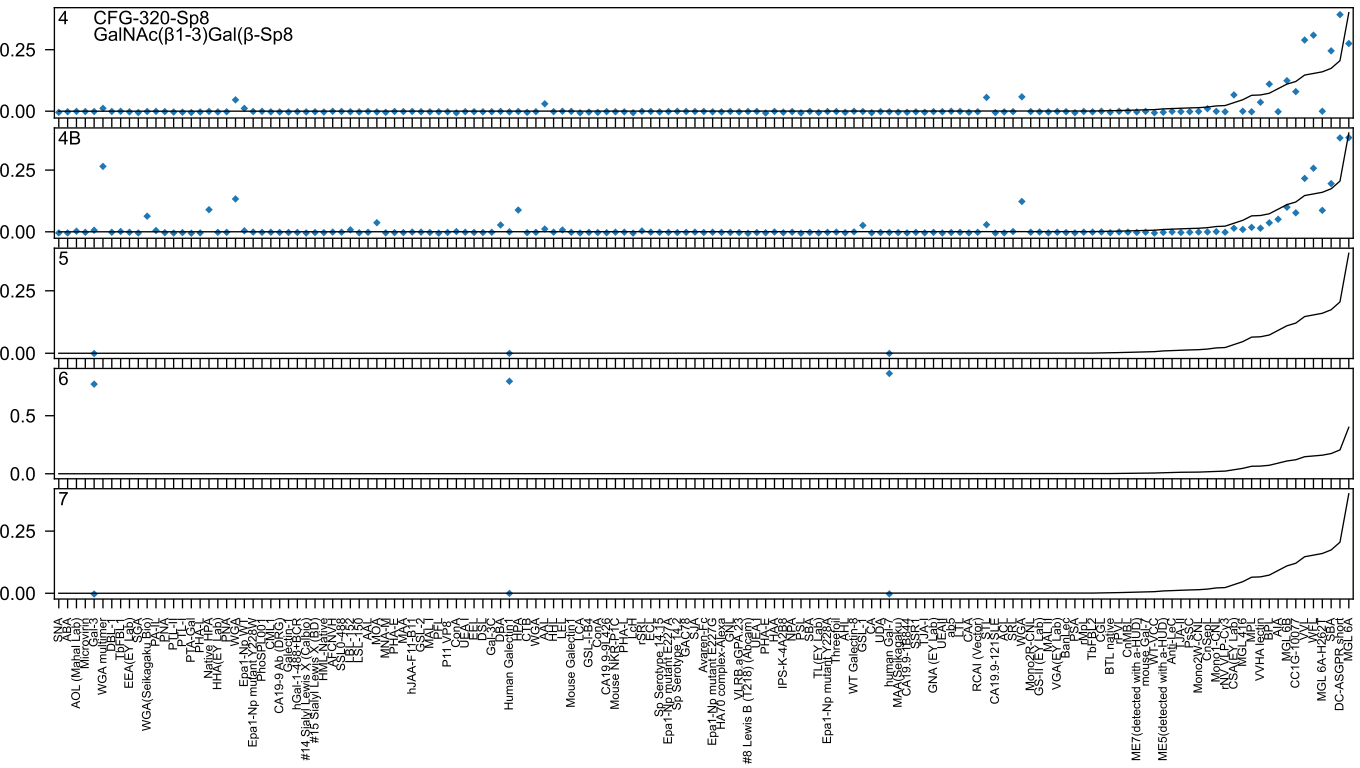

4
CFG-313-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
MAL-I
UEA
VGA(EY Lab)
PSA
NSA
SBA
PHA-L
LBL-1
LBL-15
rNV VP1 WC-3
HML-Native
PTA-Gal
UCH
VVL
WGA multimer
WGA monomer
HA70 (Mahal Lab)
AOL (Mahal Lab)
GS-II (EY Lab)
TcBL1
TcBL2
EEA(EY Lab)
SJA
SGA
Native HPA
HPA
PNA-T
PNA
TcBL2
Galectin-1
UEA1
GSL-I B4
Avaren-FC
ACA
ACL
Sp Serotype 4 12
Mouse NRR-A1
CTB
MAL
PAA
PhoSP-1001
Epa1-Np mutant E227G
CrxRBA
Tricelici
DC-ASGPR
Anti-LeC
GSL-I A4
HAA
GSL-II
DSL
DSA
CA19.9-9-1426
WT Galectin-8
Aleuria
#14 Sialyl Lewis X (Abcam)
Epa1-Np mutant E227A
PWA
CA19.9-1116
hJAA-F
CA19.9-1B44
PTL-II
MGL
Sp Serotype 1 GE
#15 Sialyl Lewis X (BD)
Mono28-CNL
CA19.9-121
SLE
MGL 6A-H2c2
MGL 478
Epa1-Np mutant E227G
VGA
PTL-I
MGL 5A-R
#8 Lewis B (TX118) (Abcam)
Epa1-Np mutant E227A
PhA-E
Microvirin
hGal-1-488+BCR
HGL
Mono1-CNL
WGA(Seikagaku)
MNA-M
PS-K-43-288
Mono2-CNL
VLRB.aGY-23
CSA(EY Lab)
ME7(detected with a-HPD)
CA19-9 Ab (DHD)
abs
RCA
PHA-E
ME5(detected with a-HPD)
MAA
Mouse Galectin-1
SSLO Cg8
Epa1-Np WT
human Gal-7
STL
GNA(EY Lab)
BTL native
ESL
VVHA lectin
Human Galectin-1
HHA(EY Lab)
WT-VCC
mouse Gal-7
DBL-1
CC1G-1007
WGA
TL(EY Lab)
CA
RCAI (Vector)
SNA

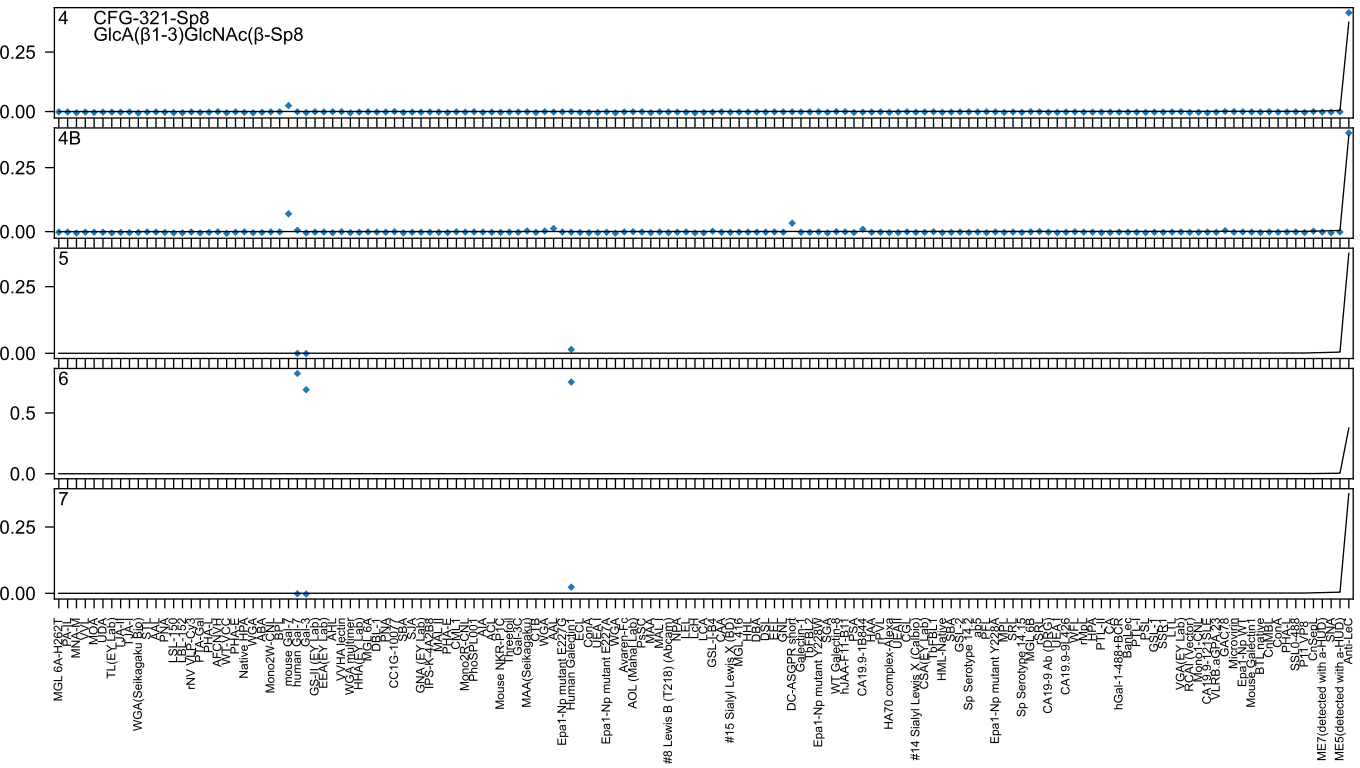

4
CFG-314-Sp0
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)]Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
Mono2W-SNA
AsA
AOL(Mutal)-CBB
AOL(Mutal)-FITC
TJA-I
TJA-II
UEA-I
LCA
PNA
PTL-I
PTL-II
PHA-L
PHA-E
MAA
GNA(EY Lab)
HHA(EY Lab)
BPA
SBA
VFA
CA19-9 Ab (ORG)
Ave Pos-C
SJA
Sp Serotype 1
DC-ASGPR short
#14 Sialyl Lewis X (Mac)
#8 Lewis B (T218) (Accam)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WT VVGG
WT VVCG
#15 Sialyl Lewis X (Mac)
hJAA-F11-EA
PSA
PSE
P11
Mono2R-CNI
Mono1-CNI
EEL
ECA
DSA
HPA
HPL
UEA-I
UEA-II
CGA
ArtH-LAC
CA19-9 aGlc
CA19-9 LB844
Sp Serotype 12
Sp Serotype 13
GSL-2
Mouse NK(EY Lab)
SSA
SSeA
nNV VP1 P2
BS-I-B4
VGA(EY Lab)
WT Microvirin
WT Cyanovirin
Epa1-Np mutant E229A
ELA(EY Lab)
GSL-UEA
PSL
HML-native
DBL-1
GSL-1
Gal-3
AFCNV
Native MIPA
CA19-9-121SLE
CA19.9-LV35
VVA
PSA
GNL
MGL-S18
WGA
Tkaepel
Mouse Dectin-2
PhoSPL
HAA
CSA(EY Lab)
Gal-3C
GSII (EY Lab)
Epa1-Np mutant Y229A
MAA(Seikagaku)
WGA-WGC
WGA-rBS
WGA(Seikagaku) BA-1
Epa1-Np mutant Y229A
CAA
MGL 6A-H2021
SNA
Epa1-Np mutant Y229A
PNA
Hgal-1-484-FBC9
PAS-1
PSA
PNA
ODA
BTL native
HA70 complex
Mouse Galectin1
Galectin1
CGL
Gal-7
human Gal-7
LBL-152
VVHA (Mutant)
BPL
Epa1-Np
CFG-10077
Human Galectin1
ECL
mouse Gal-7
CNA
STL
WFL
RCAI (Vector)

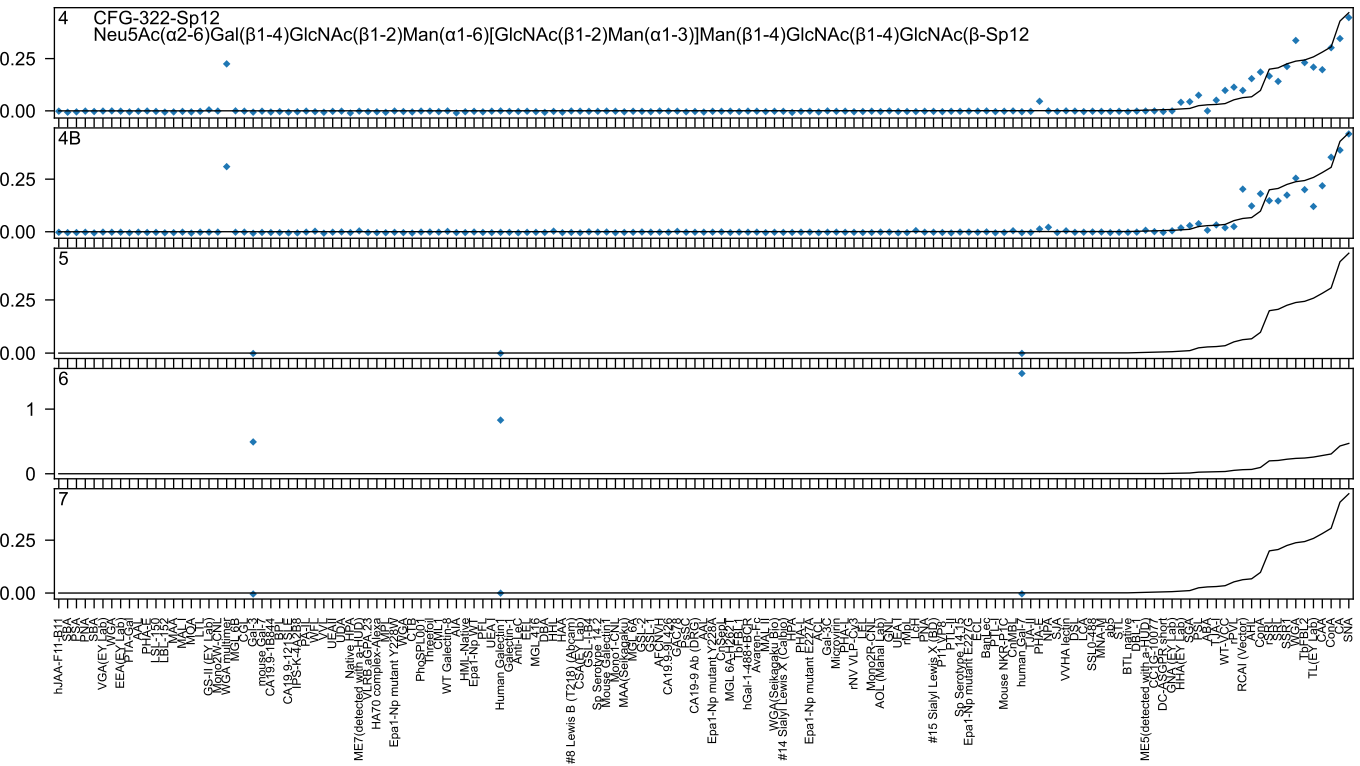

4
CFG-315-Sp0
GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)]Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
#8 Lewis B (1218) (Abcam)
hGal-1-488+Sp-8
#15 Sialyl Lewis X (Biolegend)
MES(detected with anti-Lewis X)
#8 Lewis B (1218) (Abcam)
#15 Sialyl Lewis X (Biolegend)
Human Galectin-7
WGA(Seikagaku)

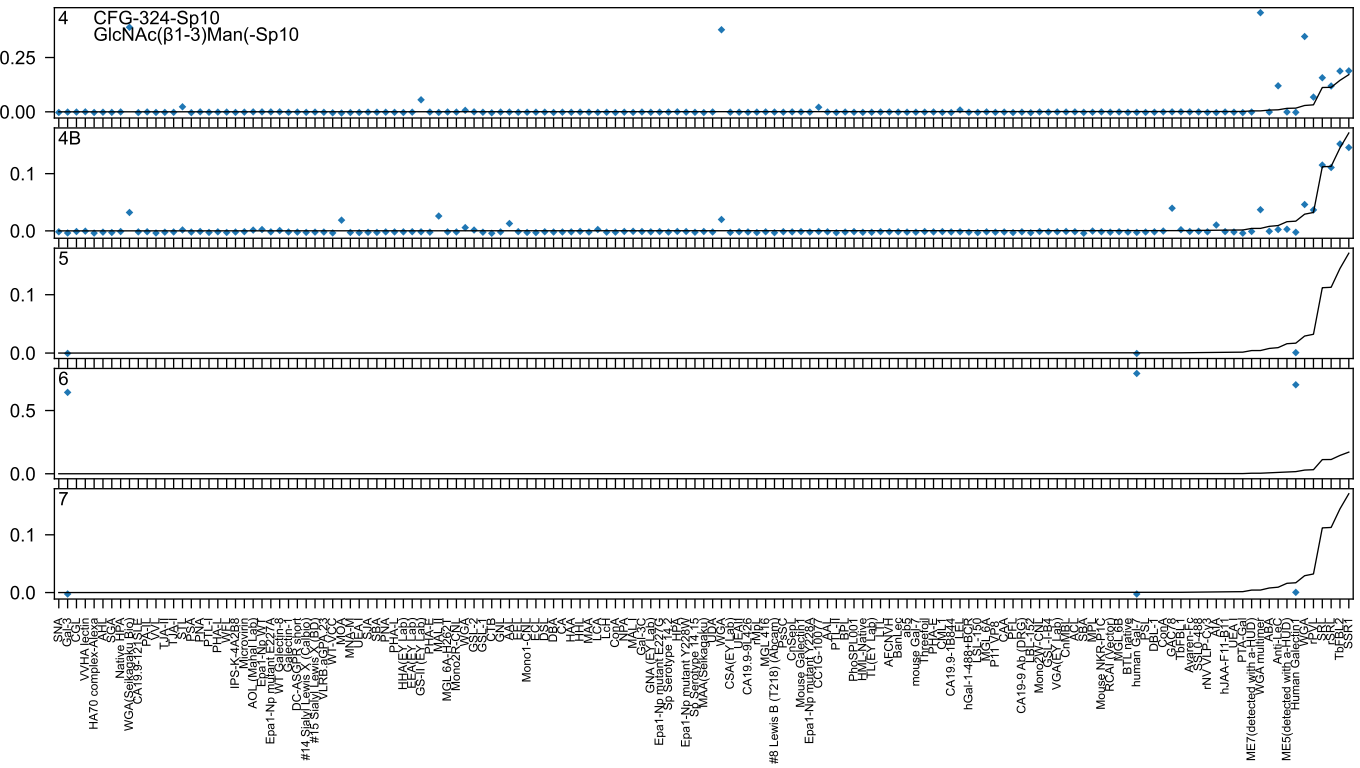

4
CFG-316-Sp0
Gal(β1-4)GlcNAc(α1-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
1
0
#8 Lewis B (T218) (Ab-cam)
#14 Sialyl Lewis A (BD)
#15 Sialyl Lewis X (BD)
MAA(Seikagaku)
AOL (Mahal Lab)
ME5(detected with a-HUD)
ME7(detected with a-HUD)
human Gal-7
Human Galectin1
RCAI (Vector)

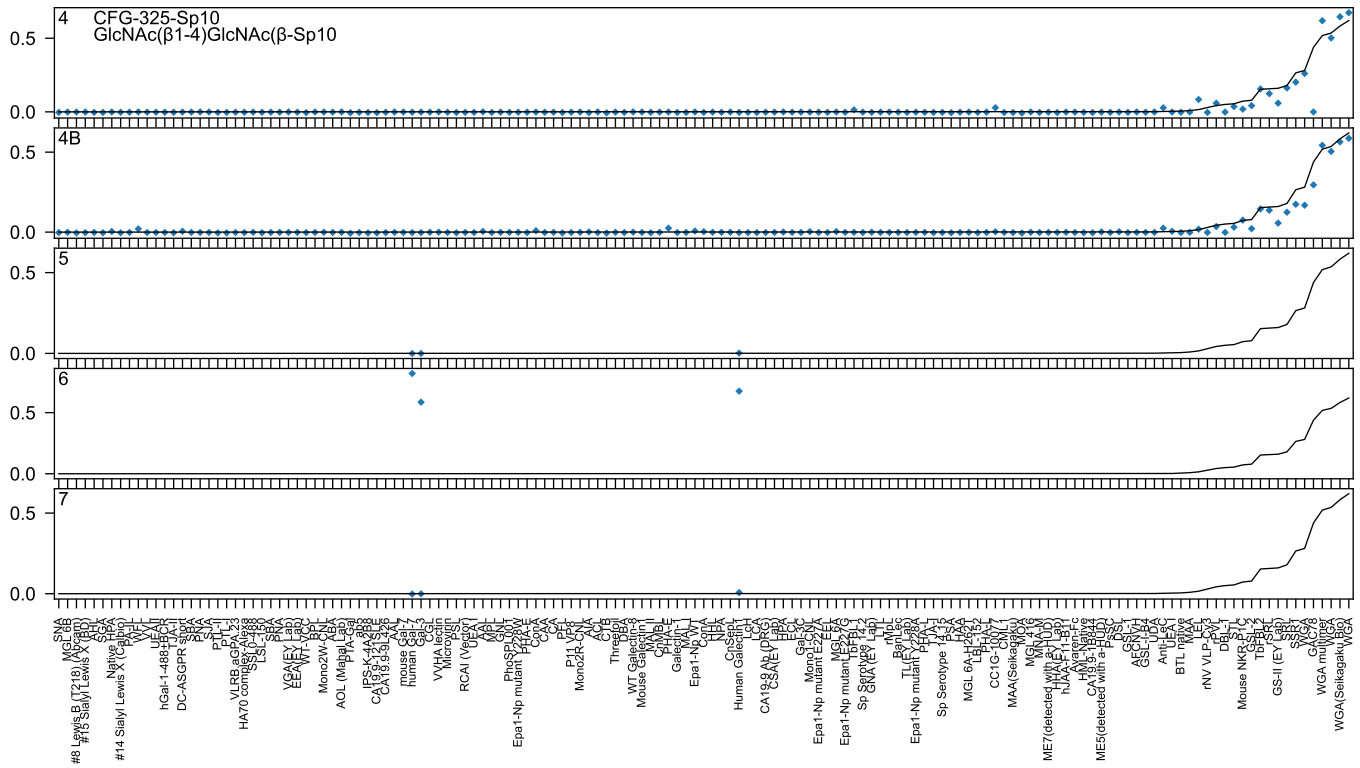

4
CFG-317-Sp0
Gal(β1-4)GlcNAc(β1-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
#15 Sialyl Lewis X (BD)
hMAF-F11-B11
Lewis X (BD)
DBL1
#14 Sialyl Lewis X (BD)
Lewis Y (BD)
SSR1
Native HPA
MGL-A16
PA-L
DC-ASGPR
PA-H
#8 Lewis B (T218) (Abcam)
#9 Lewis A (Abcam)
ME5(detected with a-HUD)
WT-XCC
MNA-M
LBT-E7
USA
SSA
HML-N
PNA
HHA(EY Lab)
ME7(detected with a-HUD)
GSA(EY Lab)
GSL-I(EY Lab)
Mono2W-CNL
ABA
Micro-A
IPS-K-4A288
MAL-II
LSL-150
PHA-E
EEL
STN
GSL-2
CorA
PSL
P11-VPG
CA19-9 Ab (DRG)
AIA
MPL
AOL
Mouse Galectin-1
PhoSL001
UEA-I
Anti-Lec
WT Galectin-1
DBA
MAL
HPA
HPL
CSA(EY Lab)
MCH
NPA
PTL-I
CA19.9-sialyl
CMLT
AOL (Mahal Lab)
LBA
CA19.9-12
WGA
PSSC
Tricelobin
Galectin-8
Barley lec
FSA
MGL-A
UEA-I
GOC-08
GSL-I-B4
HA70 complex-Alexa
AGE
TL(EY Lab)
Tomato
VGA(EY Lab)
VLRB.aGP
PSA
Mono1-AGL
AAL
Epa1-Np mutant E227A
abo
Mono2K-CNL
MAA(Seikagaku)
Sp Serotype 14-35
rNV VLP-SA
LTA
MGL-A(H128A)
hGal-1-488+RCA
Sp Serotype 14-35
CnMB
Mouse NKR-B1C
GNA (Lectinity)
NBA
Epa1-Np mutant Y226W
Epa1-Np mutant E227A
Galectin-1
BPL
human Gal-7
Epa1-Np mutant Q228A
mouse Gal-7
MPA
WGA(Seikagaku)
EBL
KVAHA lectin
WFL
Epa1-Np WT
CCTG-1G11
LEL
RCAI (Vector)
WGA
WGA multimer


4
CFG-320-Sp8
GalNAc(β1-3)Gal(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
SNA
SBA
AOL (Mahal Lab)
MicrGalI3
WGA mutant
TJP
TJP(BL)
EEA(EY Lab)
WGA(Seikagaku Bio)
PNA
PTL-I
PTA-Ga
PHA-L
Nattin
HHA(EY Lab)
WGA
Epa1-Np WT
Epa1-Np mutant
BinsSP001
CA19-9 Ab
CMLC
Galectin-3
#14 Slaly Lewis X (BD)
#15 Slaly Lewis X (BD)
HWA-CNVV
SSL-100
SSL-150
SSL-488
LSL-150
AOL
MNA-M
PNA
MAA
hJAA-F11
GALT
P11
VFA
CorA
UEA
DSL
GorBX
Human Galectin1
CTB
WGA
CHL
Mouse Galectin1
GSL I-B4
CorA
CA19-9-Lactate
Mouse NK-1
PHA-L
rSBL
ECL
Sp Serotype 14
Epa1-Np mutant
Sp Serotype 14
GNA
SJA
Avenin-LG
Epa1-Np mutant
HA70 complex-Alexa
#8 Lewis B (T218) (Abcam)
VLRB.aGP.C35
PHA-E
PHA-L
IPS-K-4
NBA
SSA
TL(EY Lab)
Epa1-Np mutant
Threonin
ATL
WT Galectin1
GSL I-B4
UCA
human Galectin7
MAA
CA19-9-Sialyl-Lactate
SSR1
GNA (EY Lab)
UEA
PHL
CorA
RCAI (Vector)
STL
CA19.9-12
SCE
SSL
WGA
Mono2R-CNC
GS-II (EY Lab)
VGA(EY Lab)
BanLec
TbMD
MPL
CGE
BTL native
CoMB
ME7(detected with a-Gal)
ME5(detected with a-Gal)
WT-XGG
Ara-LGG
Ara-LGG
LJAU
Mono2W-CNC
ConSerpI
MoVVTP-Cy3
CSA
WGL Lab
MPL
VVHA
Epa1
EBP
AIA
MGL
CC1G-10
VVL
VVF
MGL 6A-H2B
DC-ASGPR
SIGN
MGL 6A

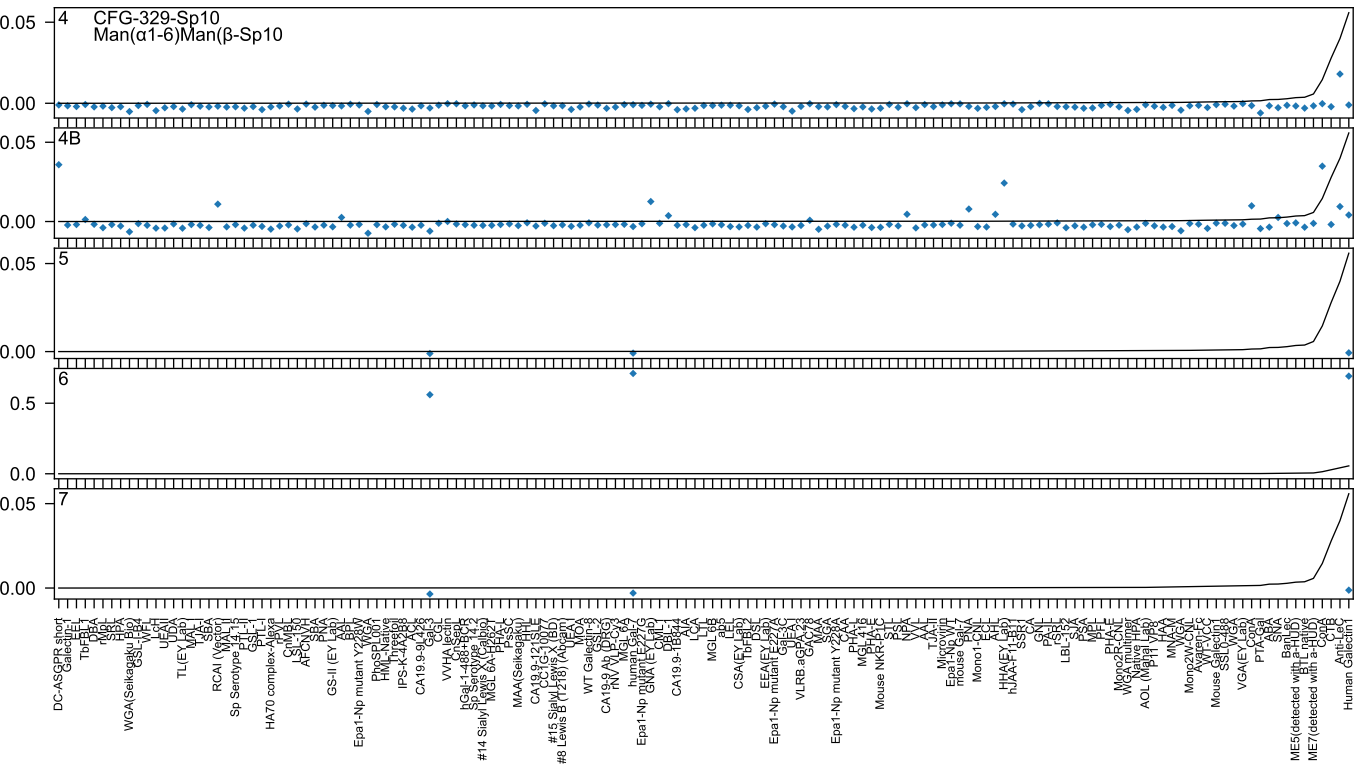

4
CFG-321-Sp8
GlcA(β1-3)GlcNAc(β-Sp8
4B
5
6
7
0.25
0.00
0.5
0.0
MGL 6A-Hex21
Hex21
MNA-M
MOA
UDA
TL(EY Lab)
LAC
WGA(Seikagaku)
BC
STL
PNA
LSL-189
rNV VP-Q3
PA-Gal
AFCNVH
WFA
PL-ACE
Native-hPA
VGA
Mono2W-Gal
mouse Gal-7
human Gal-7
GSL-I(EY Lab)
EEA(EY Lab)
ABL
VVHA lectin
WFA(Dyminex)
HHA(EY Lab)
MGL 6A-1
DBA
CC1G-1488
SBA
SJA
GNA (EY Lab)
PNS-K-LAC88
MAL II
CNL
Mono2W-Lac
PhoSL-Lac
AIA
Mouse NKR-P1C
Tcgelgl
Tcgelgl
MAA(Seikagaku)
VCB
AAL
Epa1-Np mutant E222G
Human Galectin-1
ECL
GFA
Epa1-Np mutant E222A
Avarol-Fc
AOL (Maha Lab)
EAA
MXA
#8 Lewis B (T218) (Abcam)
NPA
LCH
GSL-I-B4
CAA
#15 Sialyl Lewis X (910)
MGL (910)
HPL
DSA
GSL
DC-ASGPR short
Galectin-1
Epa1-Np mutant Y228W
WT Galectin-8
hJAA-F11-B11
CA19.9-16B44
PAA
HA70 complex-Alexa
OCA
#14 Sialyl Lewis X (Calbio)
CSA (Tom Lab)
HML-Native
GSL-2
Sp Serotype 14-2
PL-2
Epa1-Np mutant Y228A
SRA
Sp Serotype 14-68
MGL 68
CA19-9 Ab (DEA)
CA19.9-9L42B
rMP
PTL-I
hGal-1488+bCER
Bauhlec
PSL
GSL-1
SSL-1
VGA(EY Lab)
RCA
Mgm1-CNU
CA19.9-9L42C
VLRB.aGAC78
WFL
Mouse Galectin1
Epa1-Np WT
BTL
CNLBE
PPA
PPA
SSL-188
Con-Sep
ME7(detected with a-hUD)
ME5(detected with a-hUD)
Anti-LeC

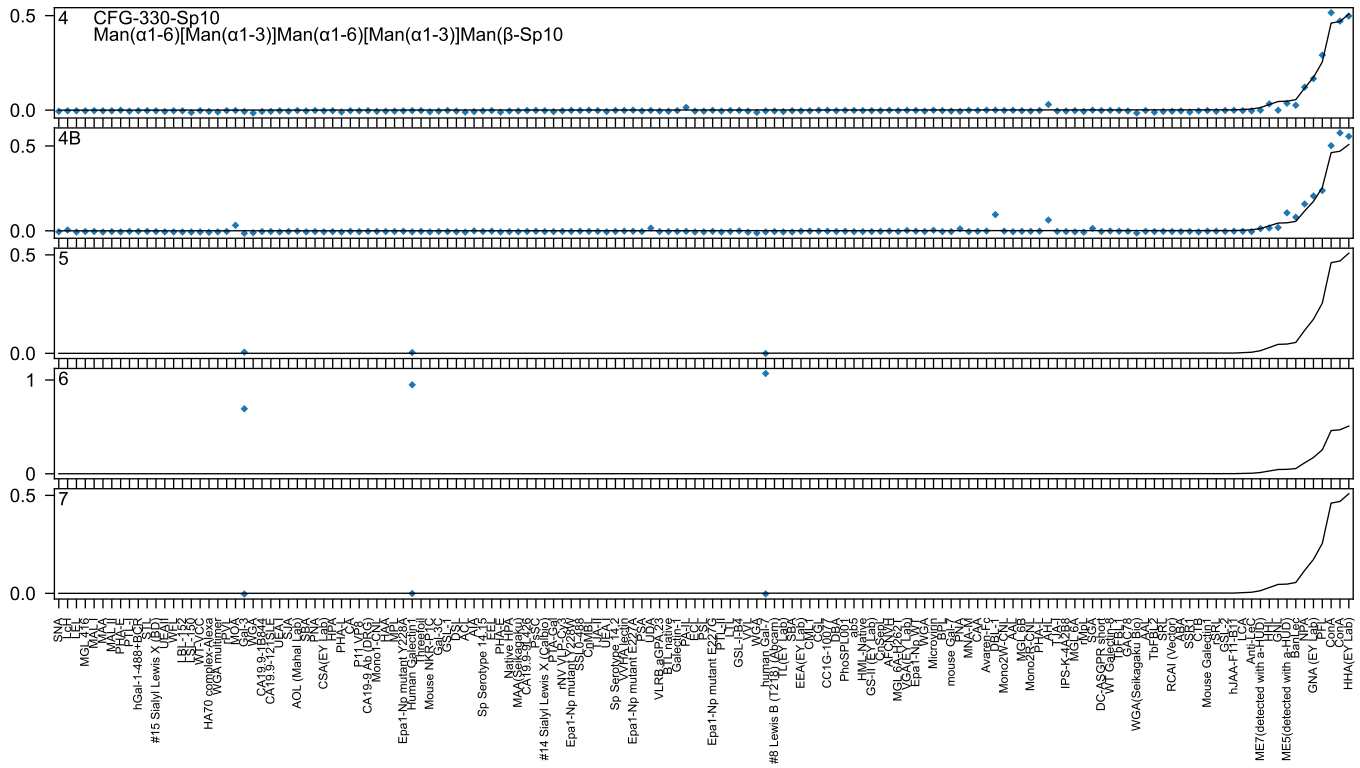

4
CFG-322-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.25
0.00
1
0
hJAA-F11-B11
SBA
PSA
SSA
SBA
VGA(EY Lab)
UEA
EEA(EY Lab)
PTA
Gal
PHA-E
LBL-120
MAA
MOA
GS-II (EY Lab)
Mono2W-cNL
WGA
Malmrg
Con
Gal-7
mouse Gal-7
CA19.9-18B44
CA19-9-121
PSA-E
IPS-K-4
PA-38
WF
UEA-I
UDA
Native UDA
ME7(detected with a-HUD)
VLRB.aGPA.23
HA70 complex-Vibr
Epa1-Np mutant Y226V
PhoSP-OTB
Ongeolol
CWL1
WT Galectin-1
AIA
HMI-Native
Epa1-Np WT
PFL
Human Galectin-1
Galectin-1
Antif
EEL
MGL-126
PHL
HPA
#8 Lewis B (T218) (Abcam)
CSA(EY Lab)
Sp Serotype 14-2
Mouse Galectin-1
Mono7
MAA(Seikagaku)
MGL-62
GSL-I
ATL-9-426
CA19-9-426
GAC-18
CA19-9 Ab (DRG)
Epa1-Np mutant Y226A
MGL 6A
CnSerp
hGal-1-488-BCR
Aven
WAL II
WGA(Seikagaku Bio)
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant E227A
ACL
Galectin
Mucin
PLA-1
rNV VLP
LEL
Mono2R-cNL
AoL (Marine Bio)
GNL
UEA-I
MOA
PCH
#15 Sialyl Lewis X (BD)
pr PTL
PTL-II
Sp Serotype 14-15
Epa1-Np mutant E227G
Bap Lec
Mouse NKR-P1C
CnMal
human CD4-II
PHA-E
SJA
VVHA (ecol)
LOA
SSLOA
MMA-N
abo
BTL (naive)
ME5(detected with a-HUD)
CCL6-10077
DC-GNSP(EY Lab)
HHA(EY Lab)
PSL
TJA-I
TJA-II
WT-VCC
RCAI (Vector)
ATL
CSBA
SSBT
TVA
WGA
TL(EY Lab)
CAA
CoCA
SNA

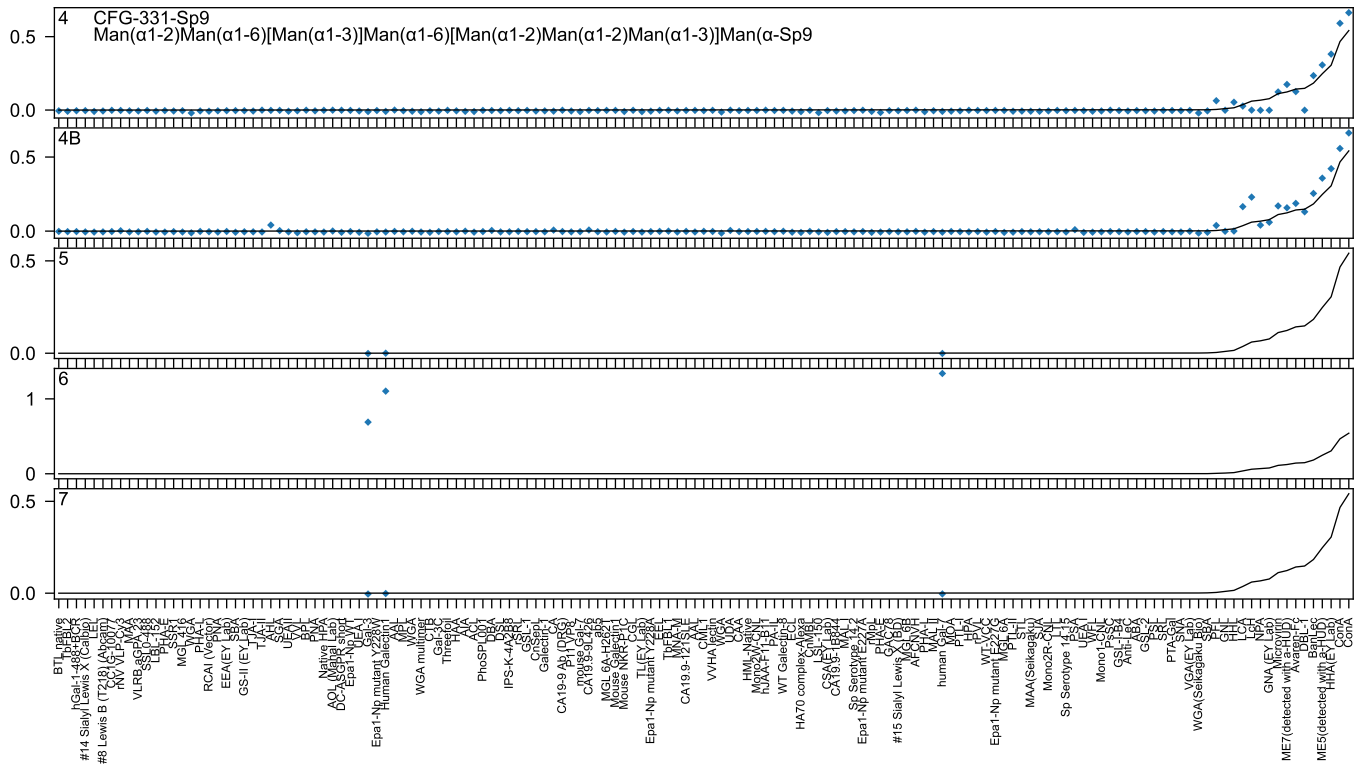

4
CFG-324-Sp10
GlcNAc(β1-3)Man(-Sp10
0.25
0.00
4B
0.1
0.0
5
0.1
0.0
6
0.5
0.0
7
0.1
0.0
SNA
SAA
GSL
CGL
VVHA
HA70 complex
Ricin
ACL
ACA
Native HPA
HPA
WGA(Seikagaku Biq)
CA19-9(Ab-Cam)
PAL
PAA
TJA-I
TJA-II
PSA
PNA
ECA
PTA-I
PTA-II
IPS-K-4/2B8
Microvirin
AOL(Mut1 RL40)
Epa1-Np mutant E227A
Epa1-Np mutant RL40
Galectin-1
WT Galectin-3
DC-mSIGN short
DC-mSIGN long
#14 Slay(Lewis X)(BD)
#18 Slay(Lewis X)(BD)
VLRB
WT CCL2
MOA
MNA
UEA
SSA
PNA
PHA-L
HHA(EY Lab)
EEA(EY Lab)
GS-III(EY Lab)
PLA
PLA-B
MAL II
MGL 6A
Mono2R-CONS
WC-2
GSL-I
GNB
CNB
AAL
Mono1-CONS
ECL
DBA
HAA
HHL
LCA
CCA
LCH
CVN
NPA
MAL-C
GNA(EY Lab)
Epa1-Np mutant Y227A
So Serotype 14/15
So Serotype 14/15
Epa1-Np mutant Y227A
So Serotype 14/15
MAAA(Seikagaku)
VGA
VGA
CSA(EY Lab)
CA19-9(Ab-Cam)
CA19-9(Ab-Cam)
MGL 416
#8 Lewis B (T218) (Abcam)
CnSepC
Mouse Galectin-7
Epa1-Np mutant Y227A
DCCTG-10077
PTA-I
PTA-II
BPL
PhoSPL(Dot)
LMW Native
TL(EY Lab)
AECNVH
Banlec
mouse Gal-7
TPA-CBL
TPA-CBL
CA19-9 (BD)
CA19-9 (Ab-Cam)
hGal-1-488 (BD)
MGL-6A
PTT
CAA
PEL
CA19-9 Ab (DF-152)
TBP-152
Mono2R-CBL
VGA(EY Lab)
CNA
MPL
SBA
SBA
Mouse NKR-P1C
RCA I(Vector)
RCA I(Vector)
BTL native
human Gal-1
DBL-1
GAL9
GAL9
TbFBL-1
Arthrobotrys
SSL2-488
rNV VLP-488
OAA
hJAA-F11-B11
PTA-I
PTA-II
ME7(detected with a-HUD)
WGA mutant
ABA
Anti-HUD
ME5(detected with a-HUD)
Human Galectin-1
VVA
VGA
SSL
SSL2
TbFBL-2
SSR1

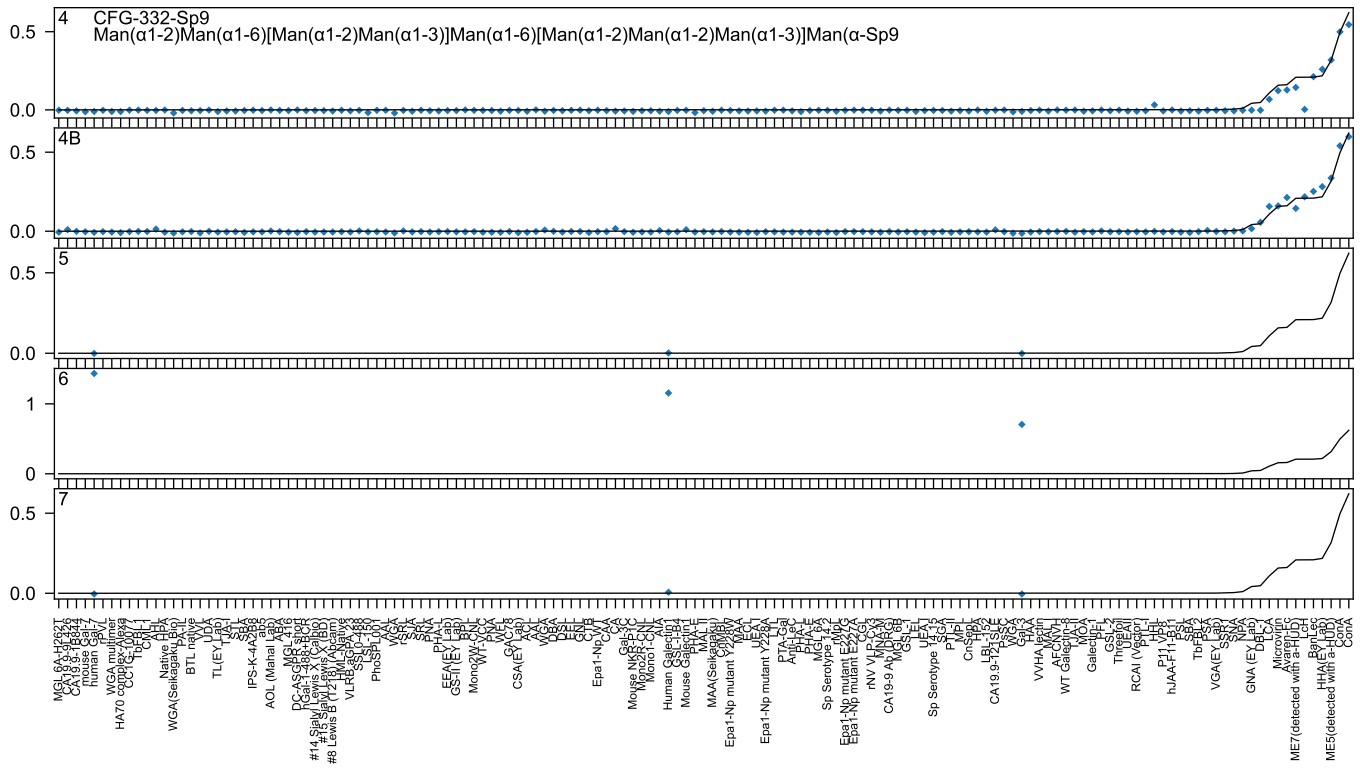

4
CFG-325-Sp10
GlcNAc(β1-4)GlcNAc(β-Sp10
4B
5
6
7
0.5
0.0
SNA
PNA
#8 Lewis B (7718) (Abram)
#19 Sialyl Lewis X (RD)
SBA
Native
#14 Sialyl Lewis X (Calbio)
WGA
VVL
UEA-I
hGal-1-488+EDTA
DC-ASGPR
JAC-I
SBA
PNA
PTL-I
VLRB.aGPA.L23
HA70 complex
SSL-188
SBA
SBA
VGA(EY Lab)
EEA
NT-1 (Lab)
BPL
Mono2W
ABA
AOL (Maba Lab)
PTA
IFGA-4A258
CA19.9.9.1.426
mouse Gal-7
human Gal-7
Gal-1
Gal-3
VVL
HA lectin
Microvirin
PSL
RCAI (Vector)
UDA
ACA
GNL
PhoSPD001
Epa1-Np mutant
PTA-E
CGA
CA
CA
VFL
P11
VFL
Mono2R
CNL
AAL
CTB
Thrombin
PBA
WT Galectin-3
Mouse Galectin-3
MOA-I
CHA-E
Galectin-1
Epa1-Np WT
CGA
NPA
Galectin-7
Human Galectin-7
LCH
CA19.9 Ab (PRG)
CSA(EY Lab)
ECL
Galectin-9
Mono2R
Epa1-Np mutant E227A
MGL-EA
Epa1-Np mutant E227G
Sp Serotype 14-2
GNA (EY Lab)
nMpL
Bryo Lab
TL-I (EY Lab)
Epa1-Np mutant Y228A
PHA-L
Sp Serotype 14-32
HAA
MGL 6A
LTL-262
PHA-E
CC1G
CNL(1
MAA(Seikagaku)
MGA 416
MNA-O
ME7(detected with a-PUD)
HHA(EY Lab)
hAAA-Fc
HMC-Native
CAV-1-Native
ME5(detected with a-PUD)
PSC
GSL-I
GSL-IV-4
UDA
Amb
DEA-1
BTL native
LEL
LEE
rNV VLP-P2
DBL-1
Mouse NKR-P1C
GSL-2
Tsr
PSR
GS-II (EY Lab)
SSB1
GAC76
WGA multimer
WGA(Seikagaku)
BPL
WGA

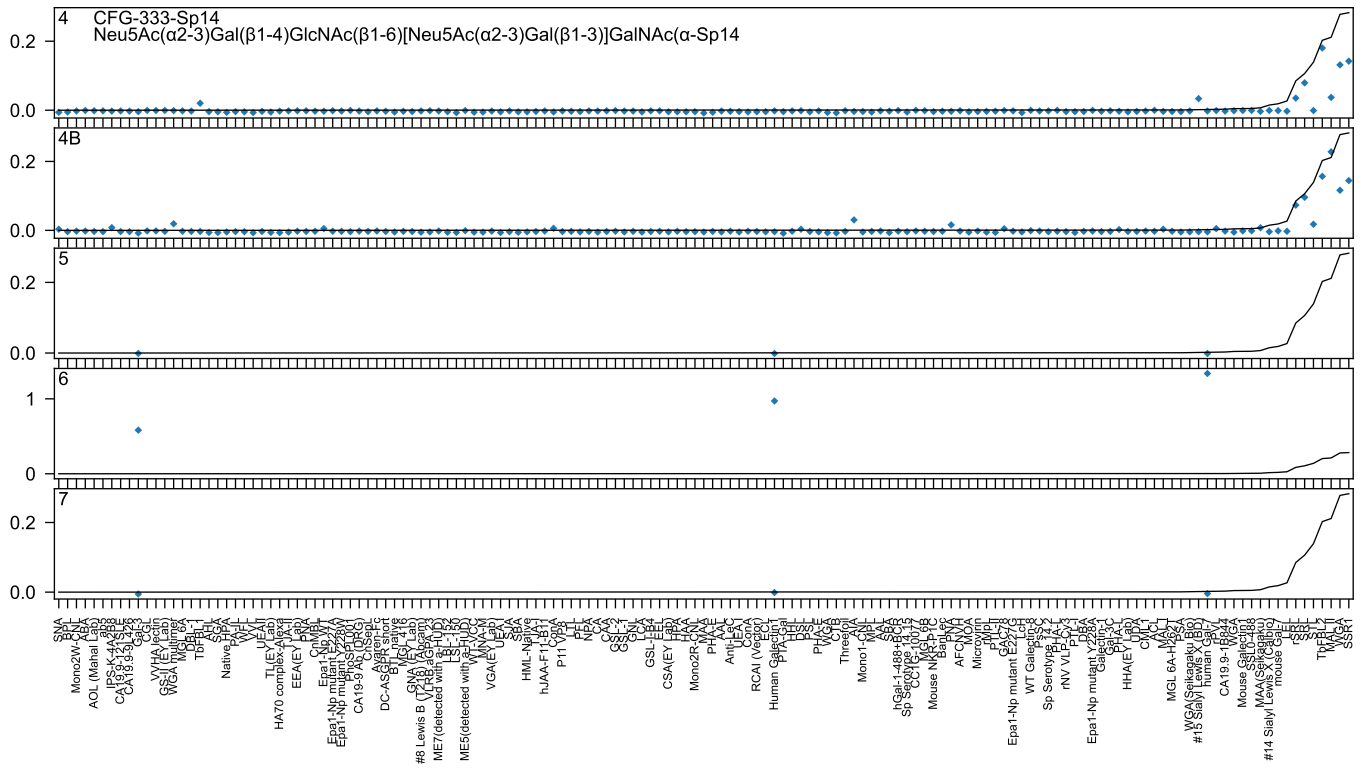
4
CFG-325-Sp12
GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
MGL 6A-H292T
Bandeiraea
VVHA-Lectin
MGL 6B
TbFBL1
NPL
ABL
SCA
PsSc
TL(EY Lab)
VLRB-aGP-1
TJA-I
PSA
RCAI (Vector)
PTA-Gal
PHA-E
CA19.9-1(BB-3
Galectin-1
#8 Lewis B (T218)
LSL-150
WFA(Vector)
WVA
MNA
#14 Sialyl Lewis X (Calbio)
human Gal-1
SJA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
EEA(EY Lab)
BPL
Microvirin
MOA
rNV VLP-Cy3
Galectin-3
GNL
PhoSPL 1/61
MAA(Seikagaku)
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
CAA
APA
AVA
CSA(EY Lab)
Human Galectin-1
WT Galectin-8
LCA
LFA
PFL
CNA
NPA
EAA
UEA-I
UEA-II
IPS-K-44-2/B3
Sp Serotype 14.2
GSL-I-B4
ABA
HML-Native
HA70 complex-Native
Epa1-Np TMutant-CCRN
TMutant-CCRN
hGal-1-Galectin-1
mouse Gal-7
AAL
Agaricus
Thrigelin
Sp Serotype 14.15
ME7(detected with a-RUD)
CA19.9-12(SEE
TJA-II
Epa1-Np mutant E227A
Epa1-Np
DC-ASGPR ligand
MGL 1/6
UEA-II
Native CIPA
CA19.9-3B(Lab
LEL
CA19.9 Ab (DRG)
PTL-I
PHA-E
#15 Sialyl Lewis X (Bio)
Mono2Ve
HHL
P31
Mono PAL
GSL-I-B4
hJAA-F11-B11
MVL
VGA(EY Lab)
CC1G-10077
Mouse Galectin-1 native
APCRVH
Anti-Lac
SSLD-488
SNA
AOL (Mahal Lab)
ME5(detected with a-RUD)
PVL
Mouse NKD-P1C
GS-II (EY Lab)
TbFBL2
SSL
WGA mutant
VGA
GNA
WGA(Seikagaku)
WGA

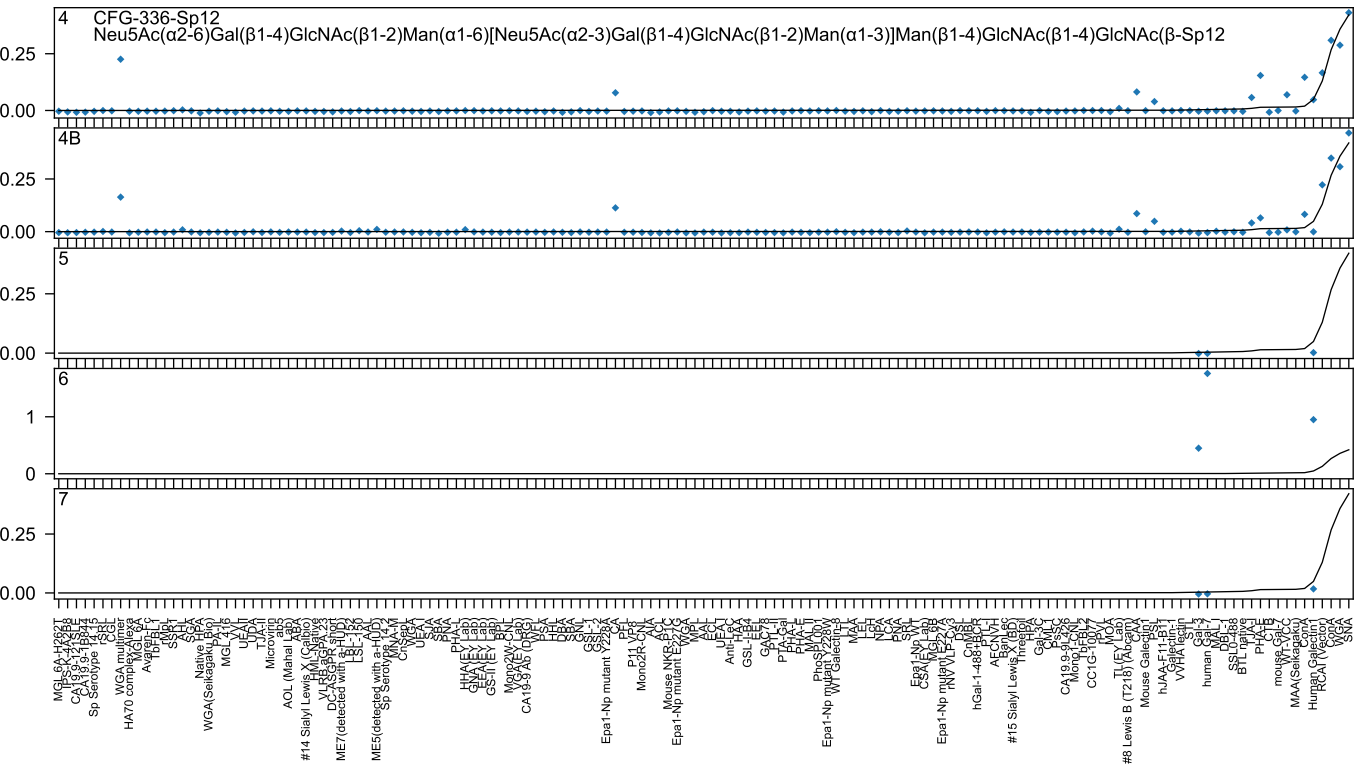

4
CFG-329-Sp10
Man(α1-6)Man(β-Sp10
4B
5
6
7
0.05
0.00
0.5
0.0
DC-ASGPR_short
Galectin-1
EEL
Tor2
DBA
nigA
BPA
WGA(Seikagaku Bio)
GSL-I-B4
WFL
UEA-I
UDA
TL(EY Lab)
VAD
VEA
RCAI (Vector)
MAL-1
Sp Serotype 1
PTL-I
GNL-I
HA70 complex-Alexa
CrCM
APCN(79)
SBA
SNA
GS-II (EY Lab)
ABA
Epa1-Np mutant Y228W
PhoSL(Vector)
HML-Native
IPS-k(Takeda)
CA19.9-Alexa
CA19.9-Gal-3
VVHA (Seikagaku)
CGL
hGal-1-488+ BCF3
#14 Sialyl Lewis X (Calbio)
MGL 6A
BPA21
PsaSC
MAA(Seikagaku)
CA19.9 (21SLE)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12/18) (Abcam)
WT Galectin-3
CA19.9 (Ab DSG)
rNV-1
MGL 6A
Epa1-Np mutant Y228A
GNA (EY Lab)
DBL-I
CA19.9-1B44
LCA
CA
MGL LB
abs
CSA(EY Lab)
TorB2
EEA(EY Lab)
Epa1-Np mutant E227A
UEA-I
VLRB aGFP
Epa1-Np mutant Y228A
MAA
CAA
PNA
MGL 418
Mouse NKR-P1A-Fc
SJT
NPA
VVL
TJA-II
Microvin
Epa1-Np wt
mouse Gal-7
Mono1-CNA
ECL
HHA(EY Lab)
hJAA-F11-B11
SSA
CGL
PSL
SBL
LBL-37
PSA
PEA
BPE
PHA-E
Mono2-PHA-E
WGA multimer
Naive HPA
AOL (Mouse) p11
VP8
MVA-N
Mono2W-VGA
Avaren-Fc
Mouse Galectin-7
SSA (K-188)
VGA(EY Lab)
CotA
P17
ABA
SNA
Bal-1
ME5(detected with β+HUD)
Bal-1 (HUD)
ME7(detected with β+HUD)
CotA
Anti-LeC
Human Galectin1

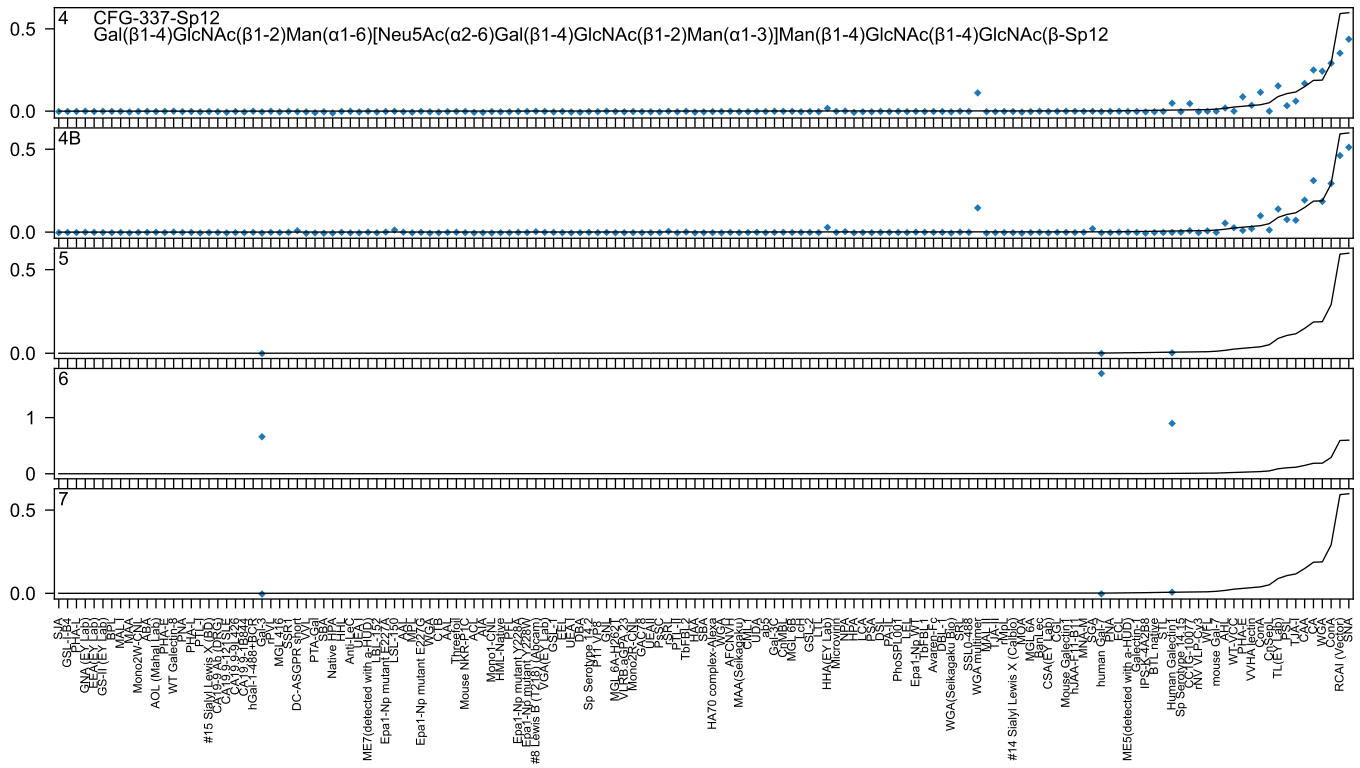

4
CFG-330-Sp10
Man(α1-6)[Man(α1-3)]Man(α1-6)[Man(α1-3)]Man(β-Sp10
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
LEL
LEL
MGL(EY Lab)
MGL(EY Lab)
WGA
WGA
MAL
MAL
PNA-F
PNA-F
hGal-1-488-FLC
hGal-1-488-FLC
STL
STL
#15 Sialyl Lewis X (EY Lab)
#15 Sialyl Lewis X (EY Lab)
VVL
VVL
LBL-180
LBL-180
WT-Acc2
WT-Acc2
HA70 complete
HA70 complete
WGA multimer
WGA multimer
MOA
MOA
Gal-3
Gal-3
CA19.9-18844
CA19.9-18844
CA19.9-12
CA19.9-12
USA
USA
SJA
SJA
AOL (Mahal Lab)
AOL (Mahal Lab)
PNA
PNA
CSA(EY Lab)
CSA(EY Lab)
LBA
LBA
PHA-L
PHA-L
P11 v28
P11 v28
CA19.9 Ab (DRG)
CA19.9 Ab (DRG)
Mono1
Mono1
HGA
HGA
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Human Galectin1
Human Galectin1
Mouse NK-Recptor
Mouse NK-Recptor
Gal-3C
Gal-3C
GSL-I
GSL-I
DSL
DSL
AVA
AVA
Sp Serotype 14-15
Sp Serotype 14-15
PI-PLC
PI-PLC
Native HPA
Native HPA
MAA(Seikagaku)
MAA(Seikagaku)
CA19.9-9-29-298
CA19.9-9-29-298
#14 Sialyl Lewis X (EY Lab)
#14 Sialyl Lewis X (EY Lab)
PVA-Gal
PVA-Gal
Epa1-Np mutant V229W
Epa1-Np mutant V229W
SSL-Gal
SSL-Gal
CoWH
CoWH
UEA-I
UEA-I
Sp Serotype 1
Sp Serotype 1
VVHA-Jacalin
VVHA-Jacalin
Epa1-Np mutant E227A
Epa1-Np mutant E227A
UDA
UDA
VLRB.aCtive
VLRB.aCtive
Galectin-1
Galectin-1
ECL
ECL
Epa1-Np mutant E229A
Epa1-Np mutant E229A
PTL-II
PTL-II
GSL-I-B4
GSL-I-B4
VVL
VVL
Vicia villosa
Vicia villosa
human Gal-7
human Gal-7
#8 Lewis B (T2/B) (EY Lab)
#8 Lewis B (T2/B) (EY Lab)
SBA
SBA
EEA(EY Lab)
EEA(EY Lab)
CGG
CGG
CC1G-1
CC1G-1
DBA
DBA
PhoSPLOH
PhoSPLOH
HML-Native
HML-Native
GS-II (EY Lab)
GS-II (EY Lab)
ACONA
ACONA
MGL(EY Lab)
MGL(EY Lab)
Epa1-Np W01
Epa1-Np W01
Microvigin
Microvigin
BC2L
BC2L
mouse Galectin-3
mouse Galectin-3
BPA
BPA
MNA-M
MNA-M
Avarol-F
Avarol-F
Mono2W-CONI
Mono2W-CONI
MGL-A
MGL-A
Mono2S-CONI
Mono2S-CONI
PHA-E
PHA-E
LTA
LTA
IPS-KLH
IPS-KLH
MGL-B
MGL-B
Mvp
Mvp
DC-ASGPR short
DC-ASGPR short
WT Galectin-1
WT Galectin-1
GAC
GAC
GAC78
GAC78
WGA(Seikagaku) BIO
WGA(Seikagaku) BIO
TbF-BL2
TbF-BL2
RCAI (Vector)
RCAI (Vector)
SABA
SABA
CTB
CTB
Mouse Galectin-1
Mouse Galectin-1
SAB
SAB
GSL-I-A4
GSL-I-A4
hJAA-F-FITC
hJAA-F-FITC
Anti-LeC
Anti-LeC
ME7(detected with a-HD)
ME7(detected with a-HD)
HD1
HD1
GD1
GD1
ME5(detected with a-HD)
ME5(detected with a-HD)
Ban-lec
Ban-lec
NPA
NPA
PFL
PFL
GNA (EY Lab)
GNA (EY Lab)
ConA
ConA
ConA
ConA
HHA(EY Lab)
HHA(EY Lab)

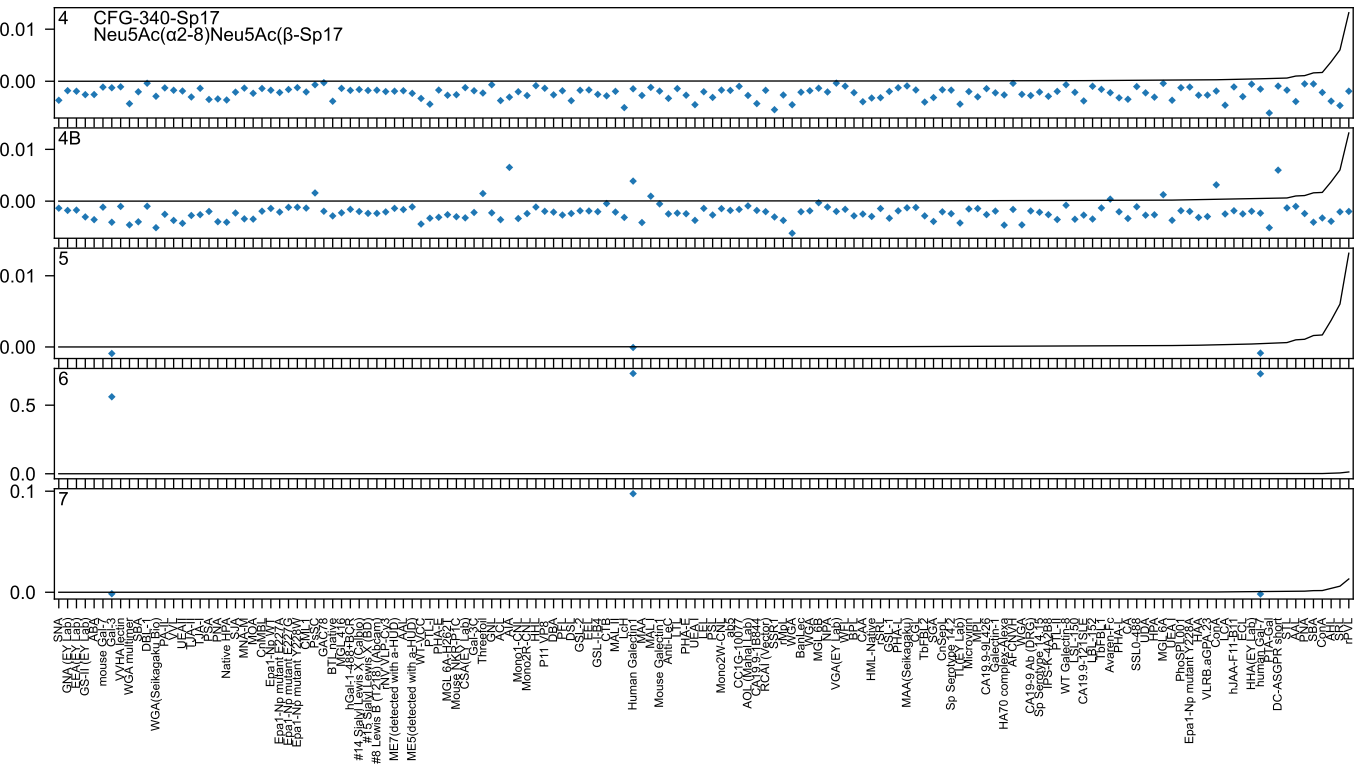

4
CFG-331-Sp9
Man(α1-2)Man(α1-6)[Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-2)Man(α1-3)]Man(α-Sp9
4B
5
6
7
0.5
0.0
1
0
BTL(native)
hGal-1-488+BCR
#14 Sialyl Lewis X (Calbe)
#8 Lewis B (T218) (Abnova)
rKV VLP-OVA
VLRB.aGFP
SSBC-488
LTA-Z
PTA-Z
SSBT
MGL
WGA
PHA-L
RCAI (Vector)
PNA
EEA(EY Lab)
SBA
GS-II (EY Lab)
TJA-I
TJA-II
ABL
UEA-I
BDL
PNA
PNA
AOL (Native Lab)
DC-ASGPR sup
Epa1 mutant
UEA-I
Epa1-Np mutant y228A
Human Galectin1
KIM
WGA
WGA multimer
CTB
Gal-3C
Tim-3
HPA
AIA
PhoSPL001
DSA
IPS-K-4A288
GSL-1
Galectin1
Galectin1
CA
CA19-9 Ab (TOSO)
CA19.9-Gal-7
mouse Gal-7
CA19.9-sialyl
MGL 6A-H2621
Mouse NRP-B
Mouse NRP-B/C
TL(EY Lab)
Epa1-Np mutant Y228A
TIM-3
TRAIL-R1
MNEM
CA19.9-12
AAL
CMLT
VVHA-Nicon
WGA
CVA
CVA
HMA-Native
MAA-Native
hMAA-F11-B11
PA-IL
WT Galectin1
DEC1
HA70 complex-Alexa
CSA
LSL-155
CA19.9-E-1842
CA19.9-E-1842
MAL-I
Sp Serotype 1
Epa1-Np mutant E227A
PNA
#15 Sialyl Lewis X (BBB)
CA-125
AFCNH
MAL II
human Gal-7
PHA-L
PHA-L
PHA
PHA
WT-VCC
Epa1-Np mutant VCC
VCC 6A
PT-I
PT-II
MAA(Seikagaku)
Mono2R-SNA
Sp Serotype 1
PSA
UEA-I
UEA
Mono1-LONI
GSL-I-B4
Anti-LeC
GSL-I-A4
GSL-I-B4
PTA-Gal
PSL
VGA(EY Lab)
SNA
WGA(Seikagaku Bio)
SBA
SBA
GNL
LCA
LCA
NPL
GNA (EY Lab)
Microtubule
ME7(detected with Avarol-F)
Avarol-F
BBL-F
Bap
ME5(detected with Avarol-F)
HHA(EY Lab)
ConA
ConA

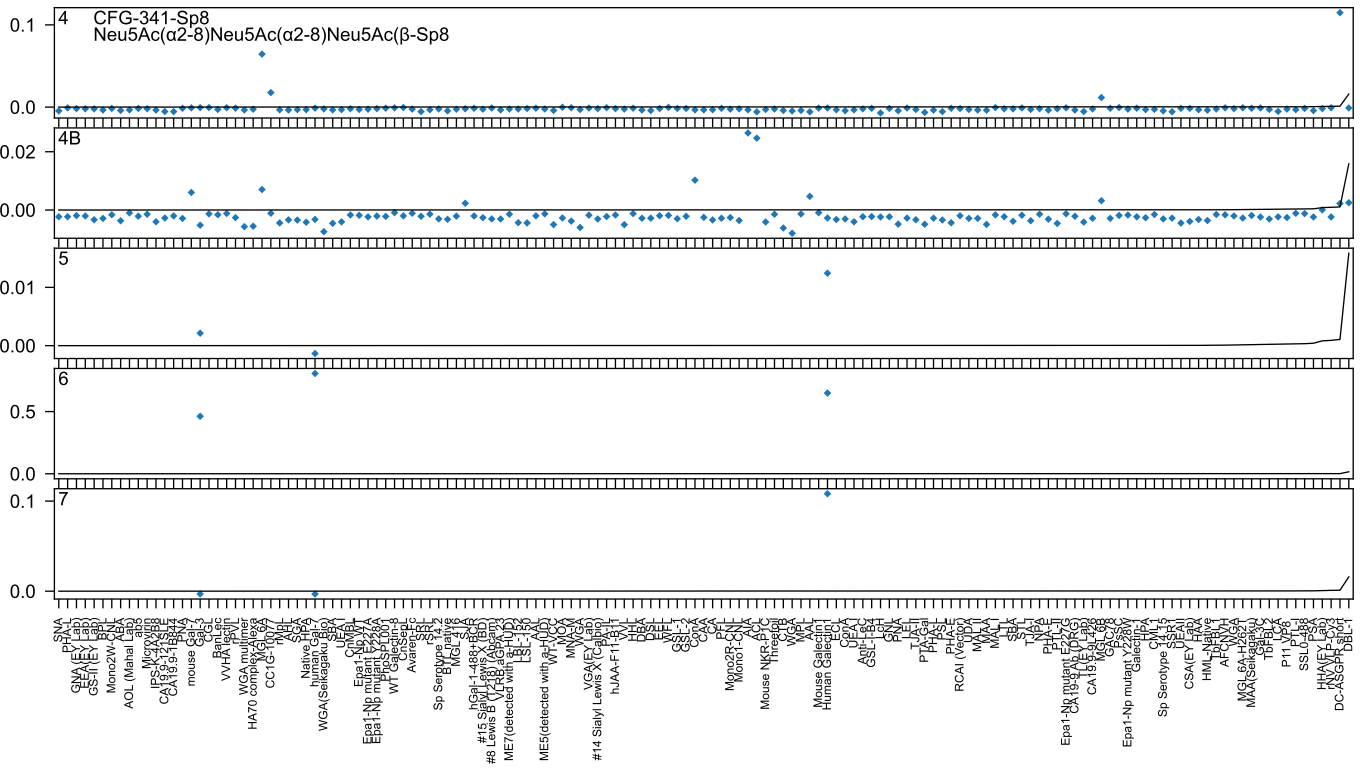

4
CFG-332-Sp9
Man(α1-2)Man(α1-6)[Man(α1-2)Man(α1-3)]Man(α1-6)[Man(α1-2)Man(α1-2)Man(α1-3)]Man(α-Sp9
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H 2267
CA19.9-T 2126
CA19.9-T 18844
human Gal-7
PVL
WGA multiple
HA70 complex-Alexa
CC1-Tg-DDR(1)
Tn-DDR(1)
CMLL1
Native CIPA
WGA(Seikagaku, Biq)
BTL native
UOA
TL(EY Lab)
LCA
IPS-K-4A-488
AOL (Mahal Lab)
MGL 416
DC-SIGN-488
#14 Sialyl Lewis X(Calbio)
#8 Lewis B(V2-818)(Ab Lab)
HMG native
VLRB-SEC-488
PhoSL-100
AAL
WGA
SSA
SNA
PNA
PHA-L
EEA(EY Lab)
GSII(EY Lab)
Mono2W-BIL
WT-VCC
MIA
GAC78
CSA(EY Lab)
ABL
VGA
VGBA
EEL
GNL
Epa1-Np VB
CAA
Gal-3C
Mouse NK-DC-PNC
Mono1-CNL
Human Galectin
GSL-I-B4
BPA-E
MAL II
MAA(Seikagaku)
Epa1-Np mutant Y228A
EC1
Epa1-Np mutant Y228A
PTA-LCL
ABL-E
MGL PA
PHA-E
MGL 6A
Sp Serotype 14
Epa1-Np mutant E227G
Epa1-Np mutant E227G
CGG
rNV Vn-CA3
CA19-9 Ab(DRG)
MGL 6B
UEA I
Sp Serotype 14-13
Sp Serotype 14-23
PSA
MPL
CnSpA
LBL-152
CA19.9-T 2SSE
WGA
HAA
VVHA Vcm
AFCNH
WT Galectin-1
MOA
Galectin-8F
GSL-I-A4
Trimeleain
UEAII
RCAI (Vector)
PTL
P11
hJAA-F11-B11
ESA
TbPBP2
FSA
VGA(EY Lab)
SSA1
NPA
GNA (EY Lab)
DSL
LCA
Microvirin
ACA
ME7(detected with a-HUD)
Lcn
BanLec
HHA(EY Lab)
ME5(detected with a-HUD)
ConA
ConA

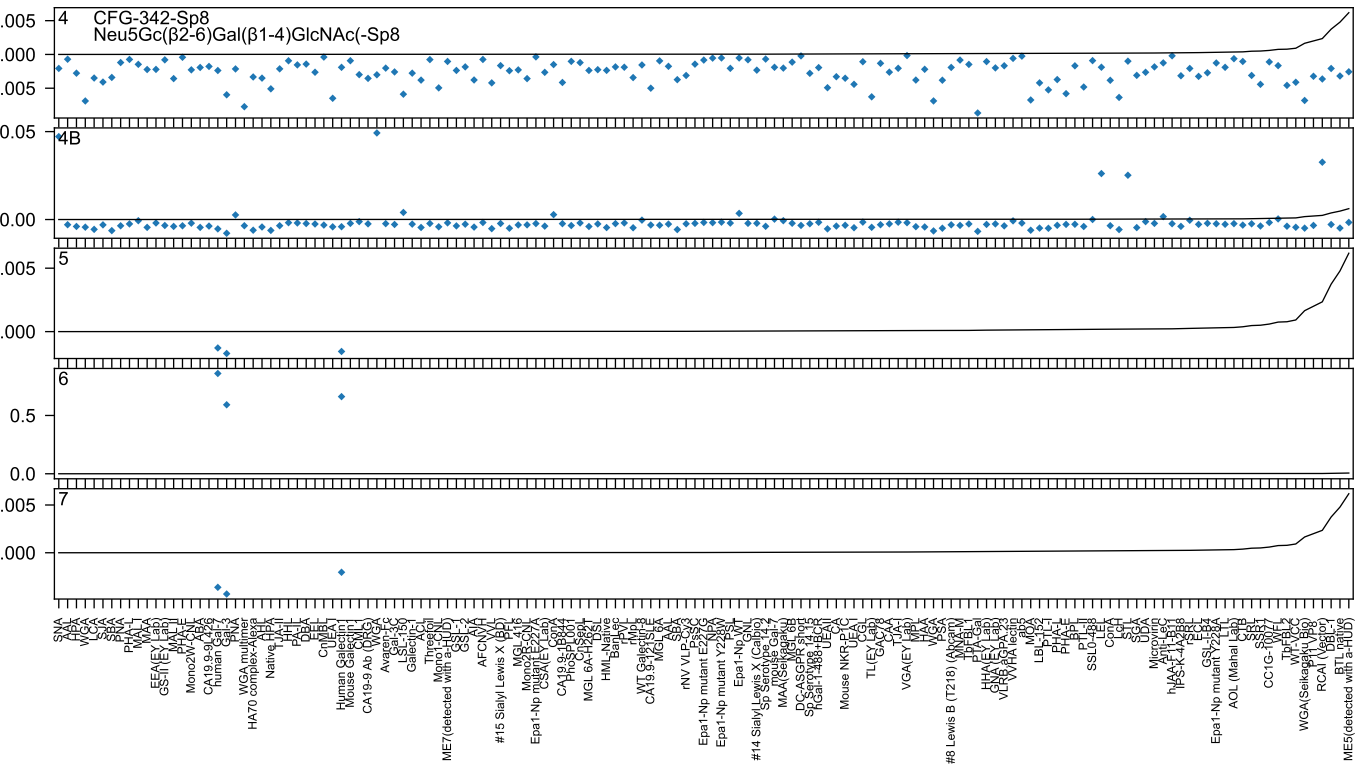

4
CFG-333-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.2
0
1
SNA
SNL
Mono2W-CNL
AOL (Mahal Lab)
IPS-K-4A
CA19.9 21SCE
CA19.9-1418
CGL
VVA(HA-vector)
GSL-I(EY Lab)
WGA (Bulmer)
MAL-1
TBP-1
SSA
Native-PNA
VVL
WFL
UEA-II
THL(EY Lab)
HA70 complex
PNA-II
EEA(EY Lab)
PAA
CnMBP
Epa1-Np mutant E227T
Epa1-Np mutant Y228W
Epa1-Np mutant S229W
CA19-9 Ab (DRG)
Orcinol
DC-ASGPR short
ASGPR short
Man-BSA
Man-BSA-18
GNA (EY Lab)
VFRB aGlcNAc
ME7(detected with a-HUD)
LSL-155
ME5(detected with a-HUD)
MVA-N
VGA(EY Lab)
LEA
SJA
SSA
HML-Native
hJAA-F11-B11
CGA
P11-VB3
PTL
NCA
CAA
GSL-I
GNL
GSL-EB4
CSA(EY Lab)
HPA
Mono2R-CNL
PHA-E
AAL
Amj-LEC
ConA
RCAI (Vector)
Human Galectin1
PNA-II
LTL
PSL
PHA-L
VFA
CTB
Threonin
Mono1-CNL
MAL
SBA
SGA
hGal-1488-49-03
Sp Serotype 3
CCTG-10077
Mouse NK-P-1C
Bauhinia
AFCNYH
MOA
Microcystin
PWM
GAC-8
Epa1-Np mutant E227G
WT Galectin-8
Sp Serotype 2
Sp Serotype 1
BPA-L
rNV VLP-V3
Epa1-Np mutant Y228W
DBA
Galectin-1
GAL-C
HHA(EY Lab)
CVN
CMA
ACL
MGL 6A-H2B2
WGA(Seikagaku)
#19 Sialyl Lewis X (BD)
human Galectin7
CA19.9-18844
PSA
Mouse Galectin-3
SSLD-488
MAA(Seikagaku)
#14 Sialyl Lewis X (Calbiochem)
mouse Galectin7
rSEL
SJL
SGL
TxFBL2
MGA
SSR1

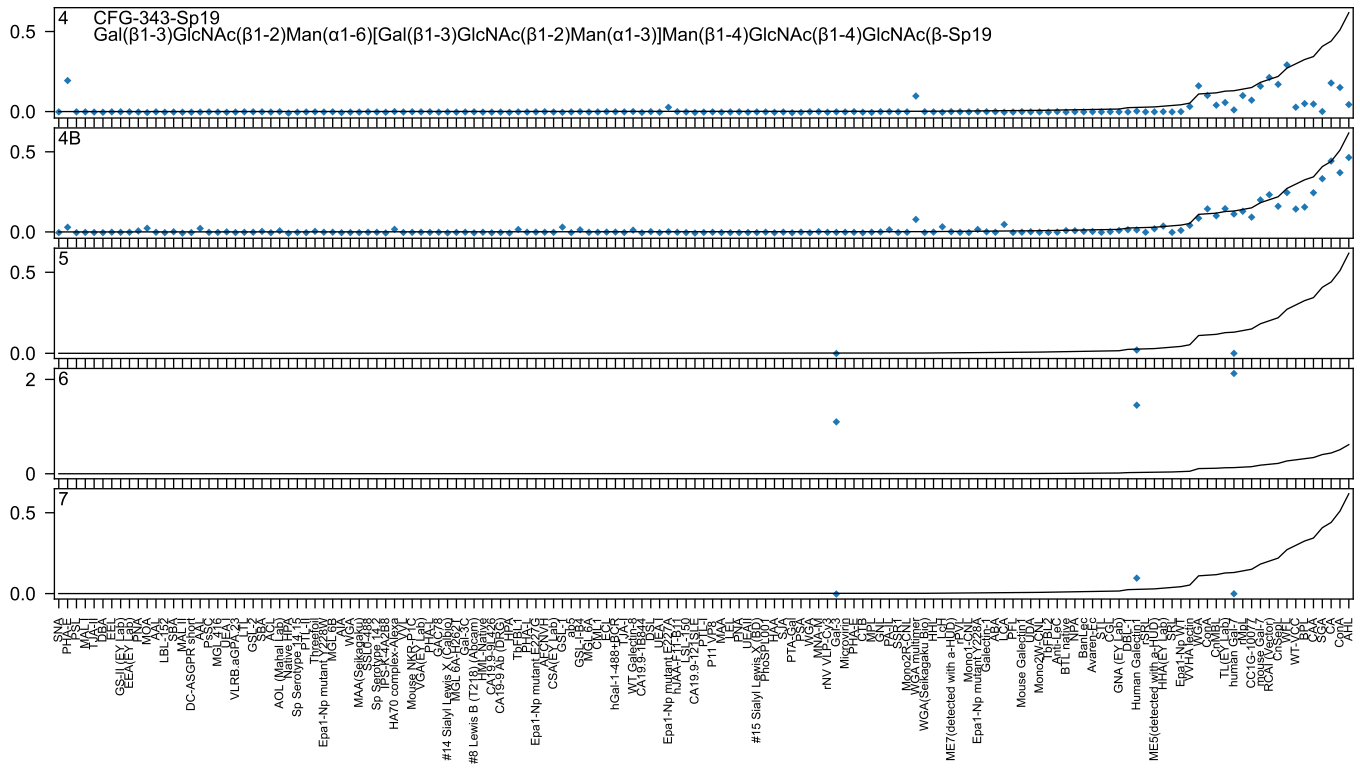

4
CFG-336-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.25
0.00
1
0
WGA multimer
HA70 complex
Native HPA
WGA(Seikagaku)
AOL (Mahal Lab)
#14 Sialyl Lewis X (Calbiochem)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
Sp Serotype 14-2
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
Epa1-Np mutant
#15 Sialyl Lewis X (BD)
#8 Lewis B (T218) (Abcam)
human Gal-3
mouse Gal-7
MAA(Seikagaku)
Human Galectin-1
RCA(Vector)

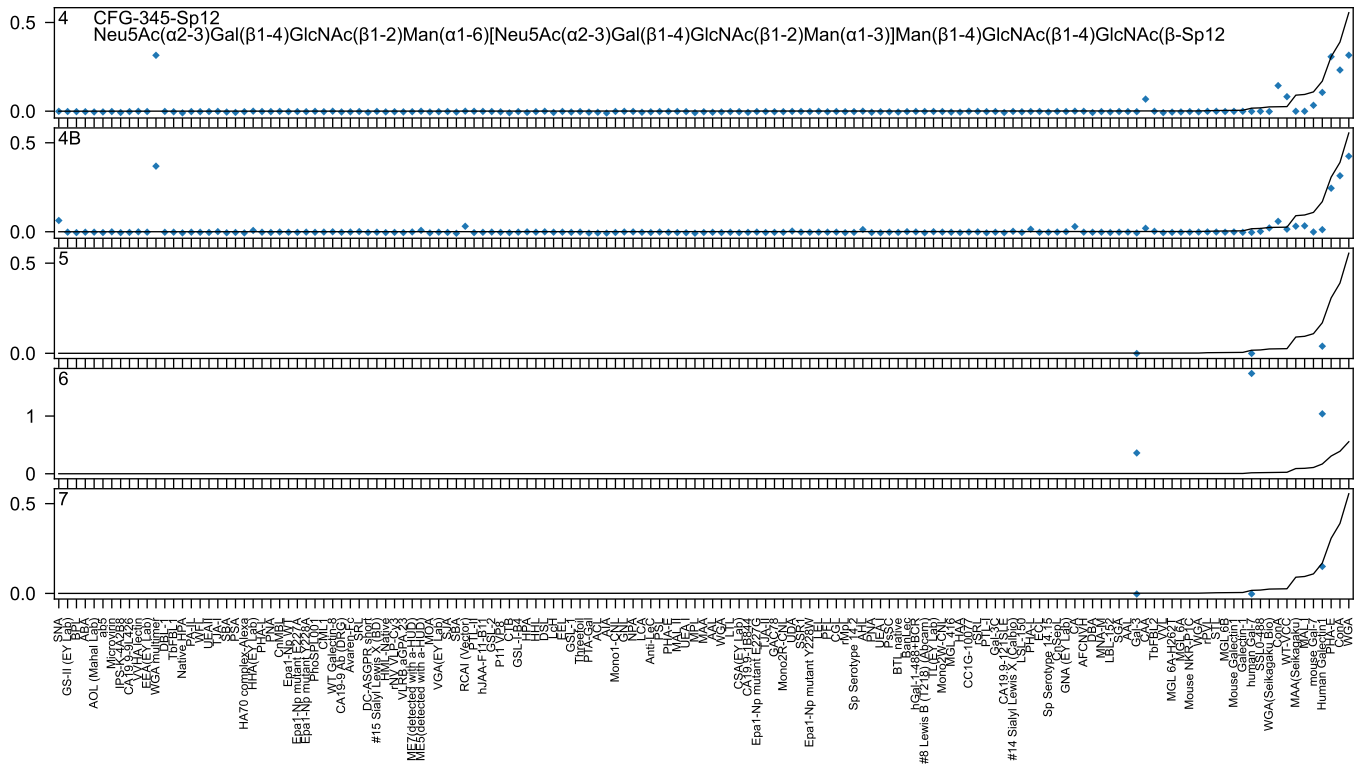

4
CFG-337-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SJA
SSA
PHAL
GNA(EY Lab)
GSL-I(EY Lab)
GSL-II(EY Lab)
MAL1
Mono2W-VNA
ABA
AOL (Marbl Lab)
WT Galectin-8
PHAL
#15 Sialyl Lewis X (BD)
CA19-9 Ab (DRG)
CA19-9 Ab (Ab 325
CA19-9 (Ab 1116-NS-19-9)
hGal-1-488 (Sp12)
Gal-3
PSL
MGL
DC-ASGPR sol
SSR1
PTA-Gal
Native SBA
HPA
Anti-UEA1
UEA1
ME7(detected with a-HUD)
Epa1-Np mutant E227A
LSL-Ab
MPL
Epa1-Np mutant E227Q
WGA
CTB
Mouse NKR-P1C
Threose
AIA
Mpr1-Native
PEL
Epa1-Np mutant Y228W
Epa1-Np mutant Y228F
#8 Lewis B (7/18) (Abcam)
VGA(Cosmo)
GSL-I
UEA1
DBA
Sp Serotype 19F
VAR
MGL6A-HRP
GOI
VRA-aGPA73
Mono2-GlcNAc
UEA1
PSA
PSR
PGL-1
TIA
HAA
SBA
HA70 complex-WGA
WGA
MAA(Seikagaku)
MAA(Seikagaku)
CMTL
aGP
aGP
Galectin-8
MGL 8B
GSL-I
HHA(EY Lab)
Microcystin
NPA
LCA
PSA
PAL
PhoSPLDD1
Epa1-Np WT
AvarageFc
DBL-1
WGA(Seikagaku) SBA
SSL-488
WGA(mutant)
MAL II
Mpl
#14 Sialyl Lewis X (Calbio)
MGL 6A
CSA(EY Lab)
CGL
Mouse Galectin-11
hAAA
MNA-M
human Gal-2
ENA
ME5(detected with a-HUD)
Sialyl Tn
IPS-Ab
BTL native
Human Galectin-1
Sp Serotype 10-15
RV VLP-Ov3
mouse Gal-7
WT-PHA-E
VVHA lectin
CrSeph
TL(EY Lab)
TJA-I
CAA
wGA
RCA I (Vector)
SNA

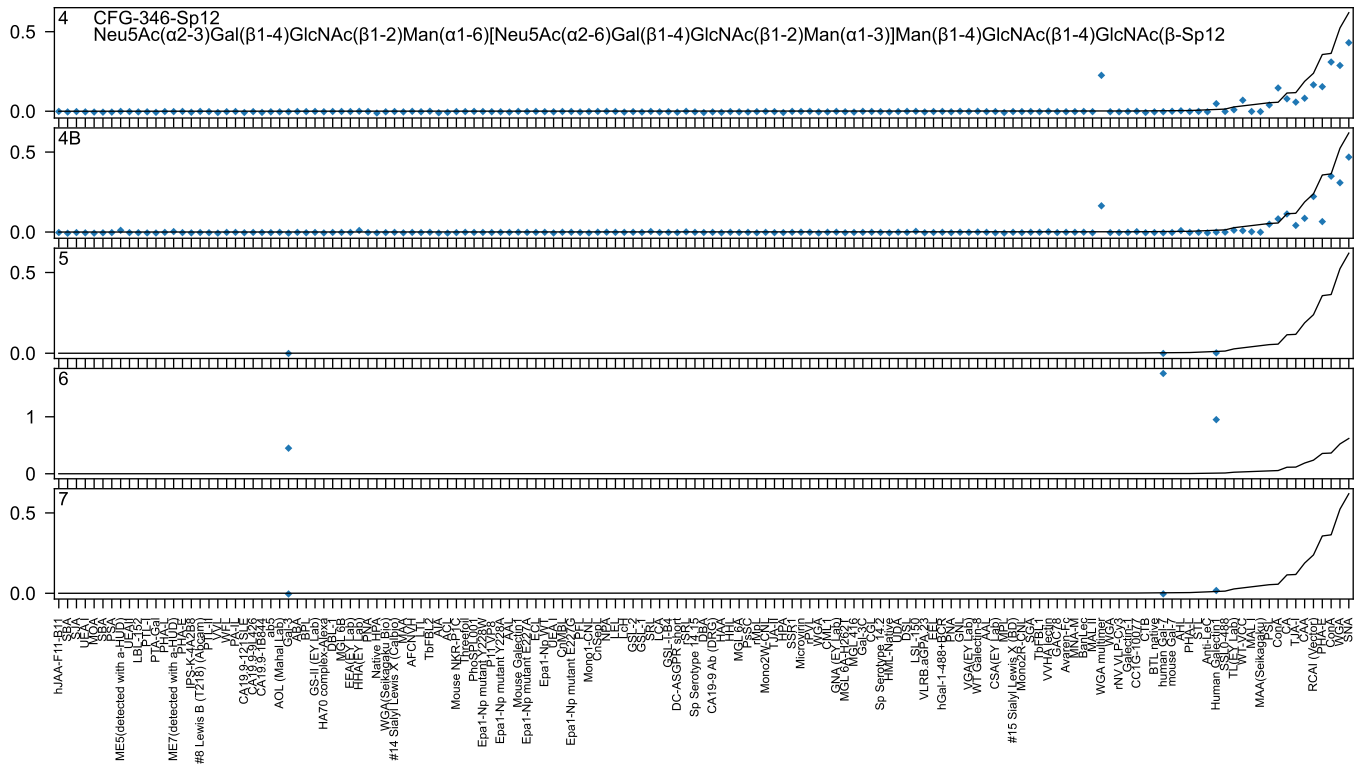

4
CFG-340-Sp17
Neu5Ac(α2-8)Neu5Ac(β-Sp17
4B
5
6
7
0.01
0.00
0.5
0.0
0.1
SNA
GNA (EY Lab)
EEA (EY Lab)
GS-II (EY Lab)
ABA
mouse Gal-7
VVHA mannose
WGA multimer
DSA
Bal-1
WGA(Seikagaku)
LCA
LYT
UEA-I
UDA
TJA-I
PSA
PNA
Native PNA
ECA
MNA-M
MNA-N
CrMA
Epa1-Np 771
Epa1-Np mutant E221G
Epa1-Np mutant Y224V
Epa1-Np mutant Y224W
PSL
Galectin 9
BTL
Gal-1 (Sigma)
hGal-1 X (Calbiochem)
#14 Sialyl Lewis X (Calbiochem)
#14 Sialyl Lewis X (BD)
#8 Lewis B (Calbiochem)
ANV(VP-OX3)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WFL
PTL-I
PHA-E
PHA-L
MGL 6A-F
Mouse NKR-PTC
CSA(EY Lab)
Thrombo
CSL
AIA
Mono1-CNL
Mono2R-CNL
VRA
P11
DBA
PSL
GSL-2
GSL-I B4
MOTB
MAL
LCH
Human Galectin-1
MAL I
Mouse Galectin-C
ACG
PWA
LTA
UEA-I
PSL
Mono2W-CNL
CC1G-1 0.02
AOL (Matsu Lab)
CNA (Matsu Lab)
RCA I (Vector)
SSA(EY Lab)
WGA
Barley
MGL 6B
VGA(EY Lab)
WFL
CAA
HML-Native
GSL-I
MAA(Seikagaku)
CGL
TbG
SGA
CnSep1
Sp Sep(Vector)
LYT (EY Lab)
Microvirin
CA19.9-9.426
Glycotech
HA70 complex
AFC(NYH)
CA19.9 Ab (DRG)
Sp Sep(Vector) 1A3
PHA-I
WT Galectin-1
CA19.9-1.1
LTA
LDBLT
LDBLT-I
Avenin-C
CA
SSLO-1
HPA
MOA
EEA
PhoSL
Epa1-Np mutant Y224A
VLRB.aGP.23
LCA
hJAA-F11-BC1
HHA(EY Lab)
human Gal-1
DC-ASGPR short
AAL
SBA
CoNA
SJA
PVL

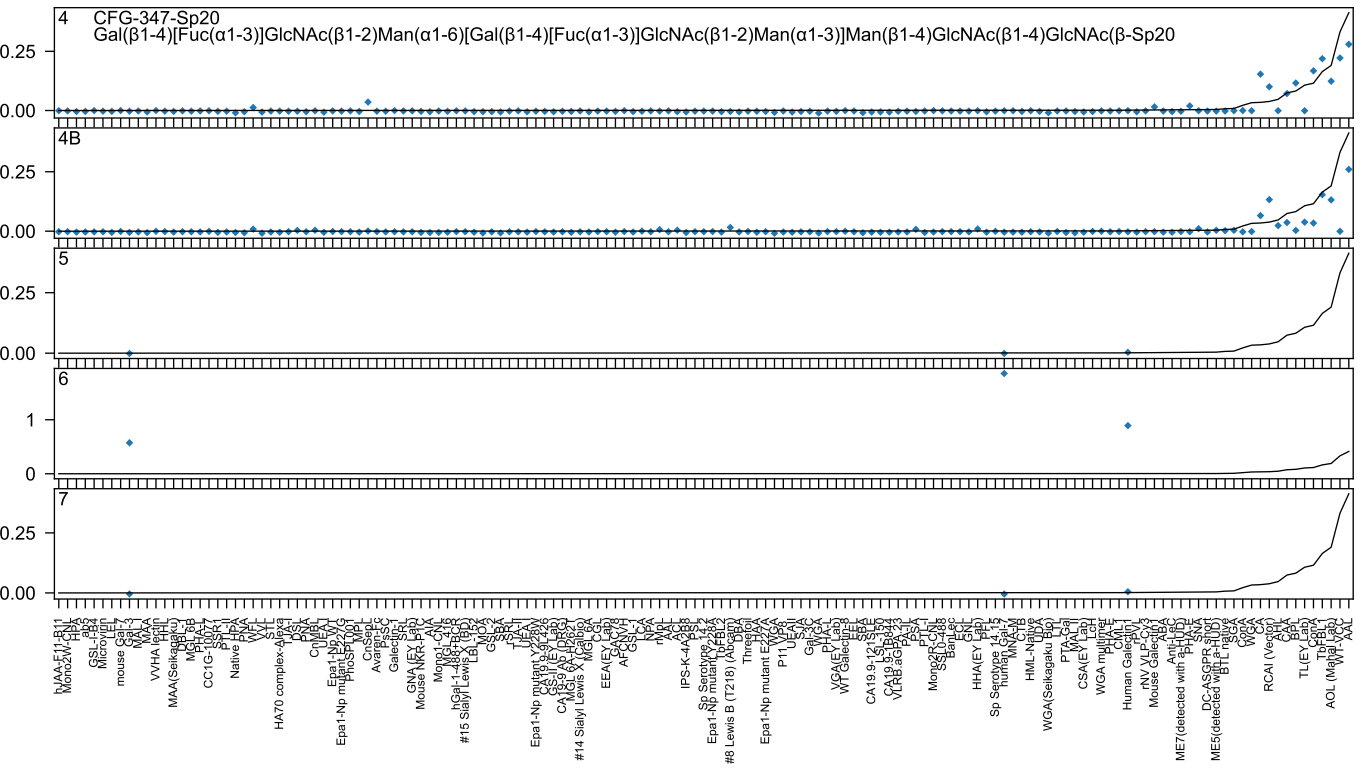

4
CFG-341-Sp8
Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(β-Sp8
0.1
0.0
4B
0.02
0.00
5
0.01
0.00
6
0.5
0.0
7
0.1
0.0
SNA
PNA
GNA (EY Lab)
GSII (EY Lab)
BPL
Mono2W-A
ABA
AOL (Mahal Lab)
Lab
Microvigin
IPO
CA19.9-12-Sp8
CA19.9-18-Sp44
Lab
mouse Gal-2
Gal-3
BanLec
VVHA
psOL
WGA multimer
HA70 complex
MGL6A
CCTG-10077
TGF
ABL
ABL
Native SFA
human Gal-7
WGA(Seikagaku)
BSA
OVA
LEA
CVN
Epa1-Np WT
Epa1-Np mutant E222A
Epa1-Np mutant E222G
PpoSP-001
WT Galectin-8
Avarex-Fc
SBL
rsBL
Sp Serotype 14.2
Dermatan
MGL 418
hGal-1-488-rsCVB
#15 Sialyl Lewis X (BD)
#8 Lewis B (Calbiochem)
ME7(detected with a-HuD)
LSL-150
ME5(detected with a-HuD)
WT-KCC
MWOA
WGA
VGA(EY Lab)
#14 Sialyl Lewis X (Calbiochem)
hJAA-F11-Fc
VVL
DBA
DSL
WFE
GSL-1
ConA
CAA
PFL
Mono2R-CN
Mono1-CN
AIA
Mouse NKR-P1C
Threonin
TF
WGA
WFA
WFL
Mouse Galectin1
Human Galectin1
EUL
CGA
Agl-Fc
GSL-I-B4
SNL
PHA
T-Ag
PNA
PTA
PHA-E
PHA-L
RCAI (Vector)
UDA
MAA
MAL
SBA
TJA-I
TJA-II
PWM
PHL
Epa1-Np mutant E222G
CA19.9-Sp44
TGF (EY Lab)
CA19.9-Sp8
MGL-Sp8
GAL-Sp8
Epa1-Np mutant Y228V
Galectin-1
CML1
Sp Serotype 3SS1
CSA(EY Lab)
VEAL
HPA
HMLN
HWLN
AFCNN
MGL6A-H262A
MAA(Seikagaku)
TDFBL
P11
UEA
PTL-I
SSLO-Sp8
HHA
HHA(EY Lab)
DC-ASGPR-SK01
DBL-1

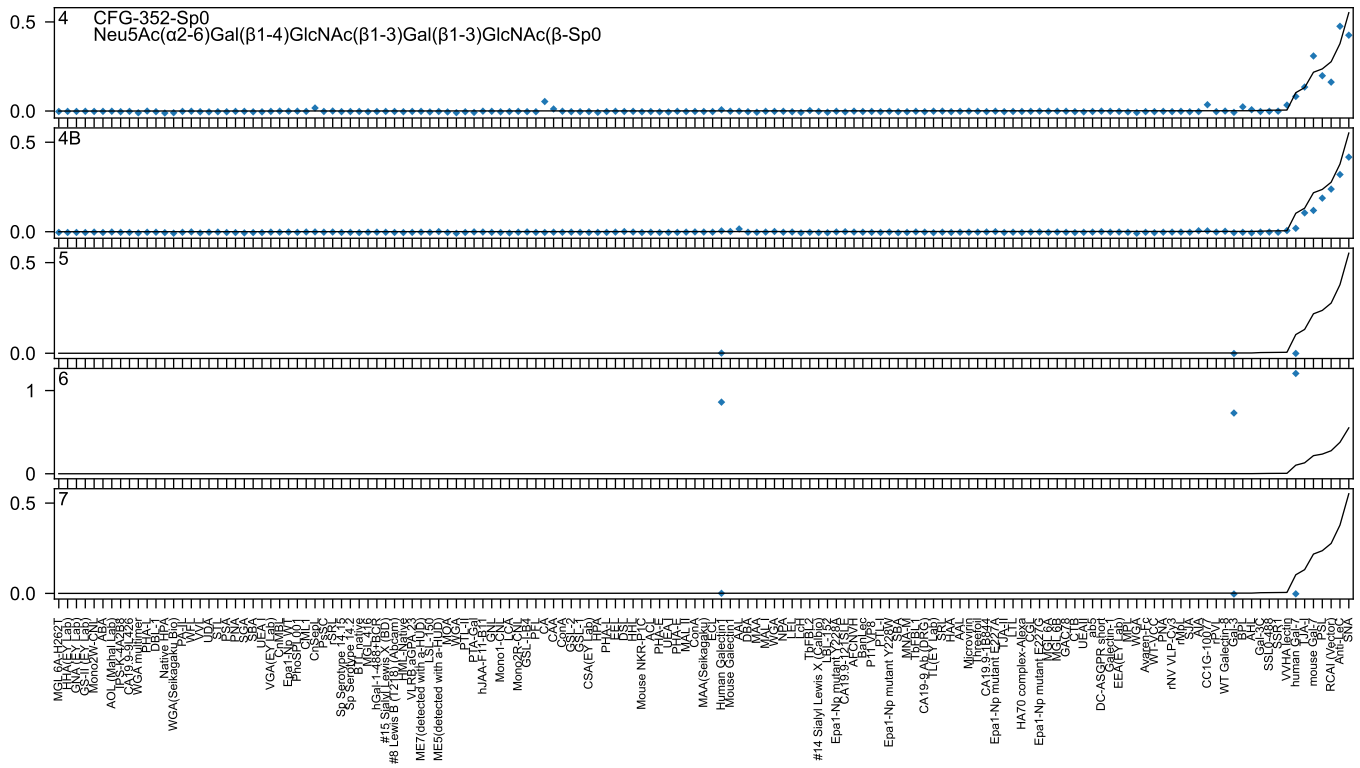

4
CFG-342-Sp8
Neu5Gc(β2-6)Gal(β1-4)GlcNAc(-Sp8
4B
5
6
7
SNA
LTA
UEA
VGA
SJA
SNA
PNA
PHA-L
WFA
EEA(EY Lab)
GSII(EY Lab)
MAL II
Mono2W-CONF
CA19.9-9Ab (DKFZ)
human Gal-7
GalA
WGA multimer
HA70 complex-Alexa
Native DPA
LTA
HHL
PNA
DBA
EEL
ONA
UEA-1
Human Galectin1
Mouse Galectin1
KOM1
CA19-9 Ab (DKFZ)
Avagen-FC
Sal-100
Galectin-1
Threelol
Mono1-CONF
GSII-1
GS-IV
AFCNYH
#15 Sialyl Lewis X (BD)
PFE
MGL-CONF
Mono2B-CONF
Epa1-Np mutant(EY Lab)
CSA
CSA-B
CA19.9-1Ab
Biosynthesis
MGL 6A-HOSL
DSL
HML
Native
Bap-PV
MP
WT Galectin-3
CA19.9-1SLE
MGL-6A
SBA
rNV VLP-S3
Epa1-Np mutant E229G
Epa1-Np mutant Y228W
Epa1-Np WT
GNL
#14 Sialyl Lewis X (Calbiochem)
SP Serotype 1/42
MAA(Maackia Amurensis)
Mouse Gal-7
WGA(EY Lab)
DC-ASGPR ligand
SP Serotype 8
hGal-1488
UEA
Mouse NKR-P1C
VGL
TL(EY Lab)
CAA
VGA(EY Lab)
MPL
WFA
WGA
PSA
#8 Lewis B (T218) (Abnova)
KNA-M
PHA-E
DP-Bet
HHA(EY Lab)
VVA(EY Lab)
VVA lectin
MGA
LBL-1
PHA-L
PHA-E
BP
PT-LL
SSL0
LEL
CorA
CorA
STL
SJA
GSA
Microvirin
hAA-F11-B11
PS-K-4A288
EEL
Epa1-Np mutant
GSV2284
LTA
AOL (Marial Lab)
SBA
SSA
CC1G-F0077
Tp-MF
WFA
WGA(Seikagaku)
RCA (Vector)
BTL native
ME5(detected with a-HUD)
ME7(detected with a-HUD)
.005
.000
.005
0.05
0.00
.005
.000
0.5
0.0
.005
.000

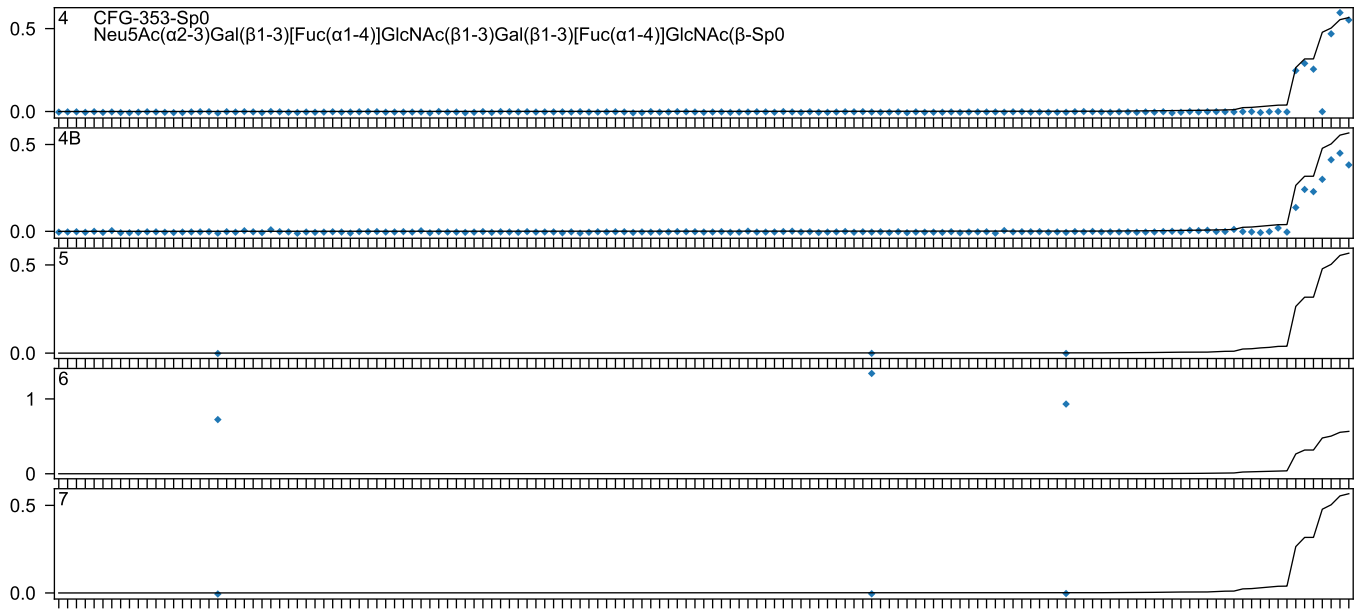

4
CFG-343-Sp19
Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp19
4B
5
6
7
0.5
0.0
2
0
SNA
PNA
PSL
MAL I
DBA
UEA I
GS-II (EY Lab)
EEA(EY Lab)
PHA-L
MOA
LBL-2G5
SBA
MAL II
DC-ASGPR short
ASA
PAA
MGL-416
VLRB.aGPE-23
GSL I-B4
SBA
ACL
AOL (Mahal Lab)
Native HPA
Sp Serotype 14 1-3
Tomato(I)
Epa1-Np mutant EKX/G
UEA I
VVA
MAAA(Seikagaku)
SSL6-488
Sp Serotype 14 488
IPS-17 A488
HA70 complex-Alexa
Mouse NKR-P1C
VGA(EY Lab)
PHA-E
#14 Sialyl Lewis X
GAC78
MOE 6A-F26B9
#8 Lewis B (T218)
Gal-8C
HMC Native
CA19.9 Ab (D3-6)
TPA
Epa1-Np mutant EKX/G
CSA(EY Lab)
Galectin-1
GSL I-B4
MGL
CMTM1
hGal-1-488+EGS
UEA I
CA19.9
CA19.9 Ab
DSL
Epa1-Np mutant EZ57A
hJAA-F11-B10
CA19.9-121
SSL2
P11
VIA
MAA
PNA
#15 Sialyl Lewis X
UEA I
PhoSL (EY Lab)
HAA
PTA
Gal
WGA
MNA-M
nNV VLP
Galectin-3
Mouse CD
PNA
CTB
MIR
PAL
SCN
Mono2R
WGA multimer
WGA(Seikagaku)
HPA
ME7(detected with a-HUO)
PNA
Epa1-Np mutant EKX/G
Galectin-1
PCA
PNA
BPL
Mouse Galectin-9
UDA
Mono2W
PSL
Anti-LeC
BTL
RIPA
Ban Lec
Avarex
STL
Con A
GNA (EY Lab)
DBL
Human Galectin-1
SBA
ME5(detected with a-HUO)
HHA(EY Lab)
Epa1-Np WT
VVHA
WGA
Con A
CoNA
TL(EY Lab)
human galectin-7
GNL
CC1G-100177
RCA(Vector)
Chitinase
WT-XCC
PNA
SGA
Con A
AHL

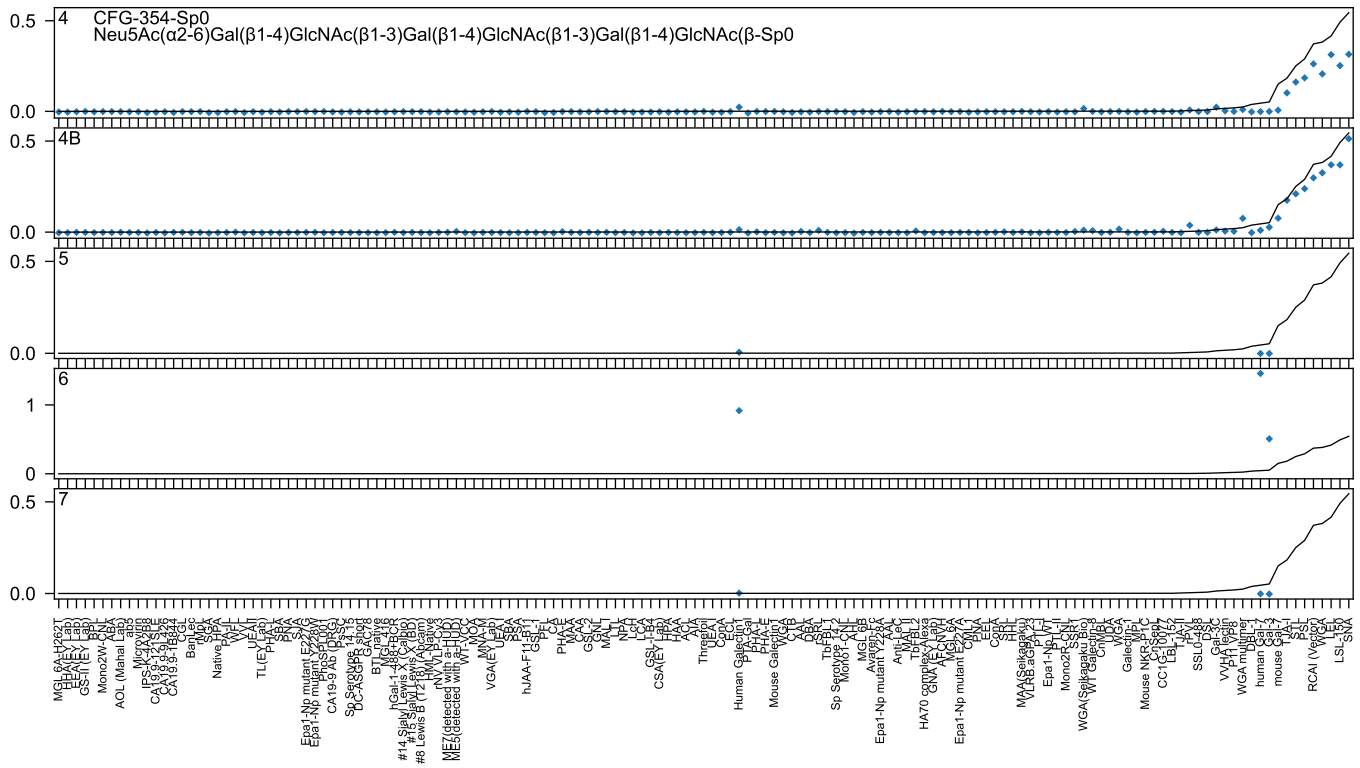

4
CFG-345-Sp12
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
BPL
BPL
GS-II (EY Lab)
AOL (Mahal Lab)
abs
Microvil
IPS-1-4A2B8
CA19-9-4A2B6
Lewis Y (Calbio)
FEA(EY Lab)
WGA mutant
Native
TbFBP
PAA
UEA-I
UEA-II
LTA
PSA
SBA
HA70 complex-Alexa
HHA(EY Lab)
PHA-E
PHA-L
PNA
Orf1
Epa1-Np WT
Epa1-Np mutant E222A
Epa1-Np mutant E222Q
PhoSP(Orf1)
WT Galectin-8
CA19-9 Ab (DRG)
Avarol
SRC
DC-ASGPR (BIO)
#15 Sialyl Lewis X (Calbio)
PMM Native
vcRS aGC-X3
MEZ(detected with a-HUD)
MES(detected with a-HUD)
MOA
VGA(EY Lab)
SBA
RCAI (Vector)
hJAA-F-f1-B11
P1-Sp6
CTB
GSL-I-B4
DSL
LCA
GSL-I
PTA
Threelol
PTA
ACL
AIA
Mono1-Gal
GNL
NPA
Anti-LeC
PLA-E
MAL-I
UEA-I
VVL
MAA
WGA
CSA(EY Lab)
CA19-9 (BIO)
Epa1-Np mutant E222Q
GAC78
Mono2-Gal
GDA
Epa1-Np mutant Y228W
PEL
CGL
MPA
Sp Serotype 14
AHL
LEA
LEA
PsSC
BTL
Native
hGal-1-488-BCR
#8 Lewis B (Y21-B1 (EY Lab))
Mono2-Glc
MGL-CRD
CC1G-1-CRD
HAA
PTL-I
GNA
CA19-9 (Calbio)
#14 Sialyl Lewis X (Calbio)
LTA
PHA-E
PHA-L
Sp Serotype 14
ECL
CrPSeP
GNA (EY Lab)
AFCNP
MNA-M
MNA-M
LBL-I-B4
AAL
CalA
CalX
TbFBP
MGL 6A-H2B2T
MGL 6A
Mouse NKCD56
VGA
PSL
PSL
MGL-1B
Mouse Galectin1
Mouse Galectin7
human Galectin7
WGA(Seikagaku Biol)
WT-CrPSeP
MAA(Seikagaku)
mouse Galectin-1
Human Galectin1
CrPSeP
WGA

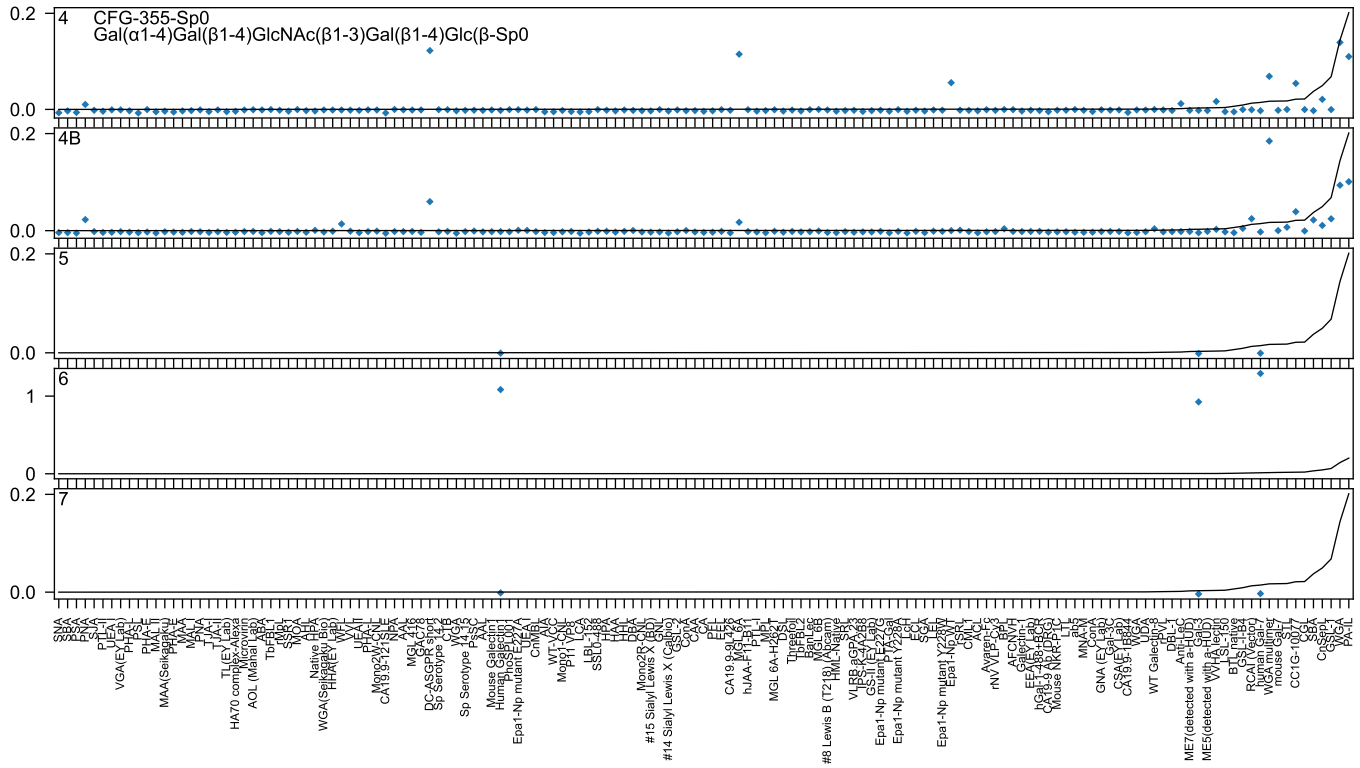

4
CFG-346-Sp12
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
BJA
SJA
UEA
VFCA
SBA
PNA
ME5(detected with a-LUD)
LBT-B1
PTL-I
PTL-II
ME7(detected with a-LUD)
PHA-E
PHA-L
#8 Lewis B (T2/18) (Alpam)
IPS-K-4A2B8
VVL
PAL
PAT
CA19.9 - 21
CA19.9 - 15
CA19.9 - 18
AOL (Mahal
Gal-3
ABA
GS-II (EY Lab)
HA70 complex
Galectin-1
MGL-8B
EEA(EY Lab)
HHA(EY Lab)
Native
#14 Sialyl Lewis X (Alpha)
AFCN
TbFBL
AIA
Mouse NKR-P1C
Epa1-Np mutant
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Mouse Galectin-7
Epa1-Np mutant E227A
Epa1-Np mutant D229G
Epa1-Np mutant D229G
PSL
Mono1-Gal
OnSeq
NEA
Lo9
GSL-7
SSL
DC-ASGPR
Sp Serotype 14-15
CA19-9 Ab (DRG)
HOA
MGL-1A
PsSC
Mono2W-LON
TJA-I
SSR1
Micro-VVII
WGA
GNA (EY Lab)
MGL-6A
Gal-3C
Sp Serotype 22
Sp Serotype 19
HML-Native
DSA
LSL-159
VLRB.aGP
EEL
hGal-1-488
BGR
GNL
VGA(EY Lab)
Galectin-3
AAL
CSA(EY Lab)
#15 Sialyl Lewis A (BD)
Mono2-Gal
SGA
TxBL1
VVH
GAC78
Avi-Lec
WGA-W
BanLec
WGA multimer
rNV VLP
CGA
Galectin-1
CCTG-10
OTB
BTL native
human Gal-7
mouse Gal-7
AAH
PNA
STL
Anti-Lec
Human Galectin-1
SSR1-488
TL-W
Lec
MAL1
MAA(Seikagaku)
PSL
CorA
TJA-I
CAA
RCA I (Vector)
PEA-E
WGA
SNA

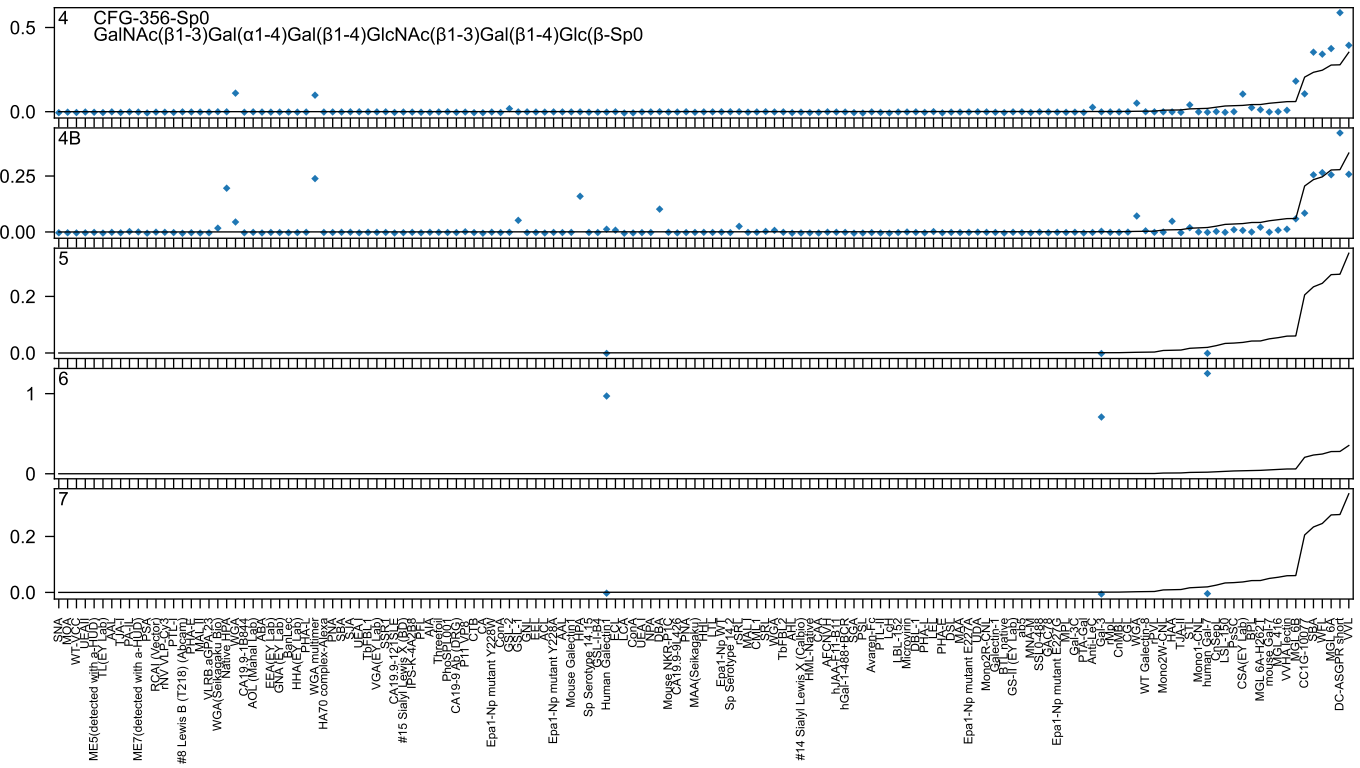

4 CFG-347-Sp20
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.25
0.00
1
0
hAA-F11-B11
Mono2W-Lab
HPA
PHA
GSL-B3
Microvilin
mouse Gal-7
Gal-3
MAA
MAA
VVHA
HPH
MAA(Seikagaku)
MGL-B6
PHA-L
CC1G
SSA1
PHA-E
Native LPA
PNA
VVL
WFL
STL
HA70 complex-Alpha
PGA
PGA
OnMB
Epa1-Np
Epa1-Np mutant E272G
PhoSP
WPL
CnSepC
Avenin
PsSC
Galectin-1
GNA (EY Lab)
Mouse NKR-P1
AIA
Mono1-CNL
MOA
hGal-1-488-Pro-R
#15 Sialyl Lewis A (TB2)
LCA
MOA
GSL-I-B4
SSA
TSA
TSR
UEA-I
Epa1-Np mutant V228W
CGL-I (EY Lab)
CAA (EY Lab)
CAA (EY Lab)
MGL
#14 Sialyl Lewis X (Calbio)
MGL
CGL
EEA(EY Lab)
EEA(EY Lab)
APOMVH
GSL-I-A4
NPA
NPA
rAIA
AAL
IPS-K-4-A68
PSL
Sp Serotype 12
Epa1-Np mutant E272A
TcFBL2
#8 Lewis B (T218) (Abcam)
DBA
Threonin
Epa1-Np mutant E272A
WGA
P11
UEA-I
SJA
GalNAc
PNA
VGA(EY Lab)
VGA(EY Lab)
WT Galectin-8
SBA
SBA
CA19.9-121-SLE
CA19.9-121-SLE
CA19.9-1B-844
VLRB aGP-A-3
PSA
PTA
Mono2R-CNL
SSL2-488
Bandeiraea
GNL
HHA(EY Lab)
PPL
Sp Serotype 14
Human Gal-7
MNA-M
MNA-M
HML-Native
WGA(Seikagaku)
LEA
LTA
PTA
TAA
CSA(EY Lab)
WGA mutant
CHAT
CHAT
Human Galectin-1
nNV VLP-CV3
Mouse Galectin-1
Anti-Fab
ME7(detected with Fab)
PHA-L
SNA
DC-ASGPR (LO)
ME5(detected with Fab)
BTL native
GSA
GSA
WGA
RCA
RCAI (Vector)
AAL
BPL
TL(EY Lab)
TbFBL1
AOL (Marker)
AAL

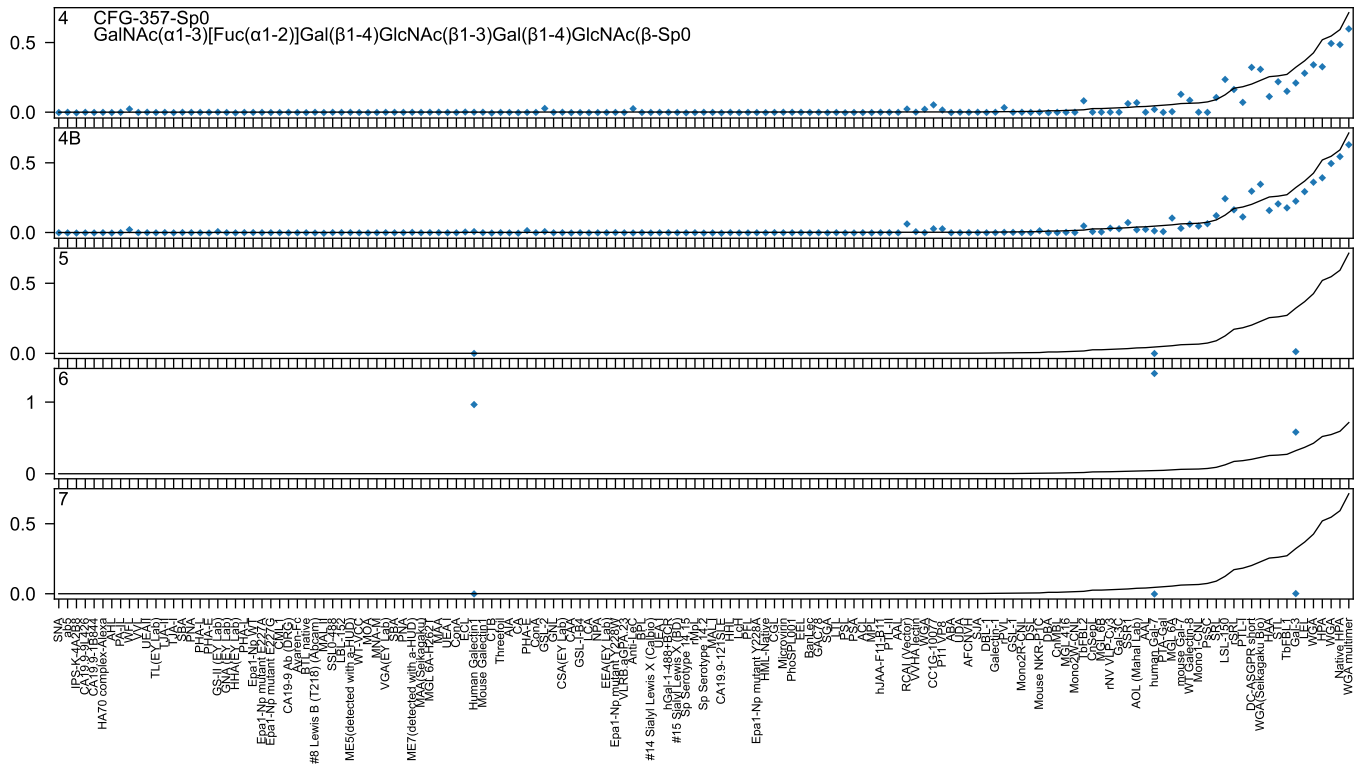

4
CFG-352-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MGL6A(Vector)
CFG-352-Sp0
GNA(EY Lab)
Mono2W-CRD
ABA
AOL(Matrix Lab)
Neu5Ac-4-288
Neu5Ac-9-426
WGA mutant
BPA
Native
WGA(Seikagaku, Bio)
WFL
VVL
VOA
SJA
PNA
SBA
UEA
VGA(EY Lab)
Epa1-Np WT
PhoS(CNU)
CfSepo
FSBP
Sp Serotype 14,15
Sp Serotype 14,18
BVP(native)
MGL4-18
hGal-1-4-18
#15 SialyLewis X (TBD)
#8 Lewis B (T2 BM Agam)
VLRB.aGPA.23
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WGA
PTA-Gal
hJAA-F11-B11
Mono1-CRD
Mono2R-LCA
GSL-I-B4
PCA
CAA
GSL-I-2
GSL-I-3
CSA(EY Lab)
LPA
PTA-I
DSL
Mouse NKR-P1C
ACL
PTA-T
MAL
ConA
MAAA(Seikagaku)
Human Galectin1
Mouse Galectin1
DBA
PNA
WGA
LEL
TxBP2
#14 SialyI Lewis X (Calbio)
Epa1-Np mutant Y228A
CA19.9-1-2-5(EY Lab)
Arthrobacter
Bandeiraea
PTL-II
Epa1-Np mutant Y228W
MNA-M
TxBP1
CA19.9-1-2-7(EY Lab)
SBA
SRA
AAL
Microvirin
CA19.9-1-8-44
Epa1-Np mutant E227A
CA19.9-1-8-44
Epa1-Np mutant E227G
HA70 complex-A/Brisbane/59/07
Epa1-Np mutant E227G
MGL-68
GNA-B
UEA-II
DC-ASGPR short
Galectin-1
EEA(EY Lab)
MPL
WGA
Avaegrin-1
WT-VCC
rNV VLP-CV3
NMA
SNA
CC1G-1107
WT Galectin-8
Galectin-8
BPP
ATL
Gal-1-4-188
SSL2-188
VVHA
SSR1
human Epa1
mouse Gal-1
PSL
RCA I (Vector)
Ahnfelt
SNA

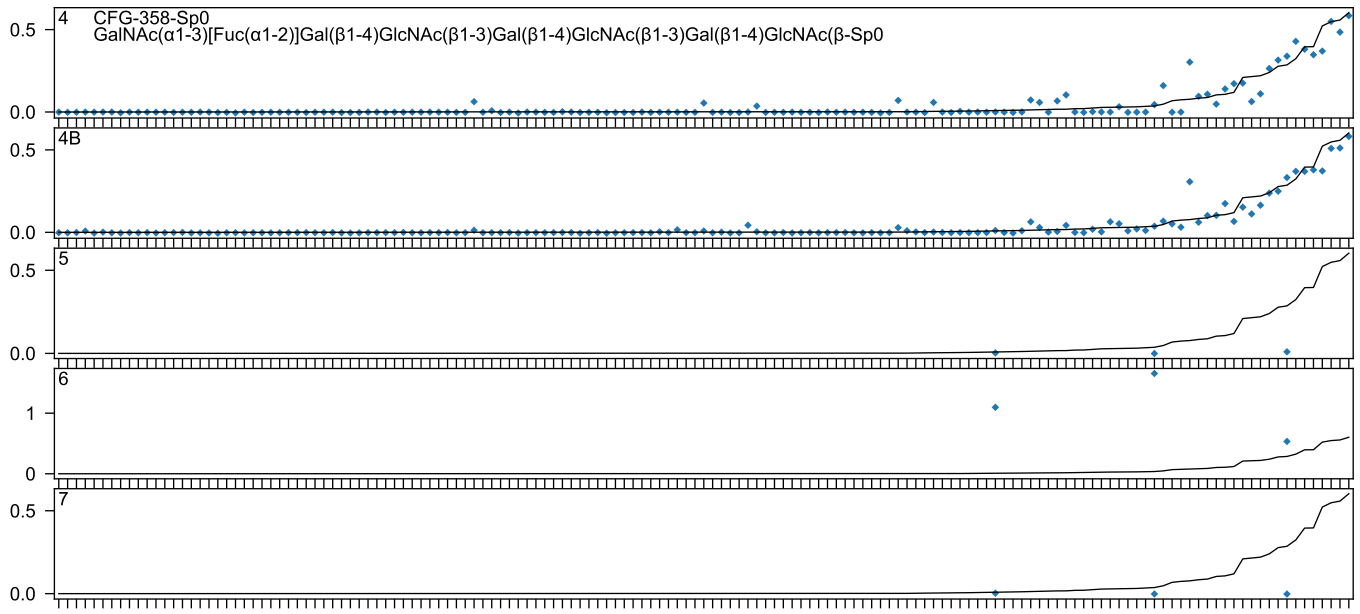

4
CFG-353-Sp0
Neu5Ac(α2-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MAA(Seikagaku)
hIL
CAA
PTA(EY Lab)
VGA(EY Lab)
MPL
SBA
CSA
WT Lac
hGal- H(EY Lab)
MPA
AAL
ENA
GNA
Gal-3
CnBP
mouse Gal-7
mouse Gal-1
HA70 complex-Alexa
PhoSPL001
CnSGL
PNA
CTB
GS-II (EY Lab)
Galectin-7
Galectin-3C
EEA(EY Lab)
VLRB.aGPA
Sp Serotype 14-13
GNA78
GSL-I
GSL-II
INV VLP
LSL-155
Sp Serotype CV3
Sp Serotype STT
WFL
RCA(Vector)
#15 Sialyl Lewis X (BD)
IPS-K-4A288
ERA
Mono1-Alexa
WHA lectin
PHA-E
PHA-L
Epa1-Np mutant Y228A
SBA
DBA
VGA
Mouse NKR-P1
LTA
MAL1
#8 Lewis B (T218) (Alexa)
Epa1-Np mutant P227G
PTA
PSL
PTL-II
HML-Native
AF-CNV3
Epa1-Np mutant Y228W
Mono2-Alexa
Epa1-Np mutant L229A
ACL
PHA-E
AIA
MGL-I
Native-HPA
Galectin-1
WT Galectin-3
GNL
BST
hJAA-F11
MGL 6A-H226A
PSA
MAL-II
human Gal-7
MOA
MVA
MVA-M
P11
VEA
PAA
LEL
ENA
NPA
TPA
WGA(Seikagaku)
WGA(EY Lab)
CCL-1077
Mouse Galectin-1
BPL
Microspin
Epa1-Np WT
Human Galectin-1
WGA
BTL mutant
Gorse
MGL
TJA-I
TJA-II
MPL
SSL0
SNA
PFL
HHA(EY Lab)
Anti-Tn
#14 Sialyl Lewis X (Calbio)
ME7(detected with a-HLD)
CMCL
Acanthoscelin
DC-ASGPR short
WGA mutant
DBL1
ME5(detected with a-HLD)
CA19-9 Ab (DRG)
AOL (Mab Tech)
CA19.9-9-1.428
CA19.9-121.SCF
CA19.9-1B844

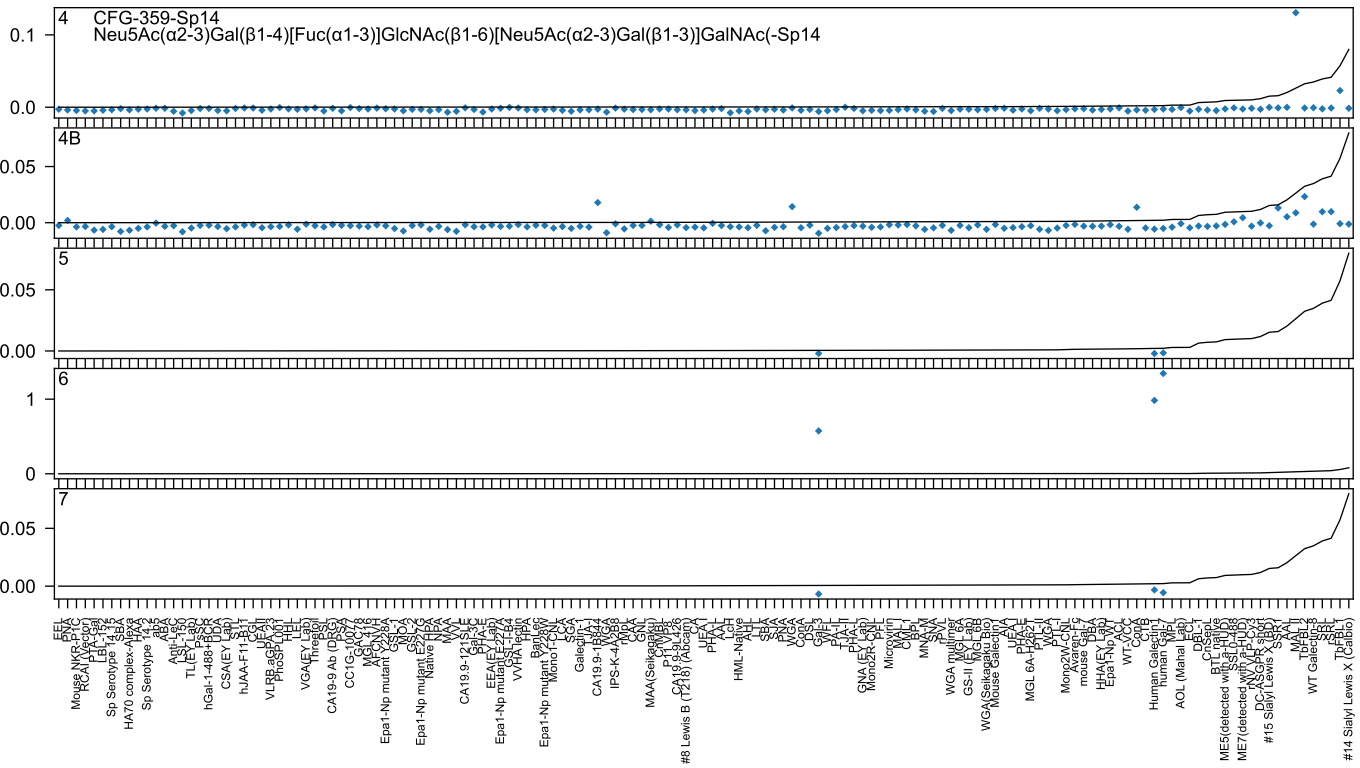

4
CFG-354-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MGL6A(EY Lab)
GS-II(EY Lab)
EEA(EY Lab)
BPL(EY Lab)
Mono2W-CNL
AOL (Mahal Lab)
abo
Microvil
IPSK-14A268
CA19.9 G1-326
CA19.9-18834
Bap1 dec
MAL
Native PPA
TKH2
VVL
UEA
TL(EY Lab)
PHA-L
PHA-E
PNA
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
CA19.9 Ab (DRG)
CA19.9 Ab (Pro)
Sp Serotype
DC-ASGPR
BTL
GAL78
MGL 418
#14 Sialyl Lewis X (BD)
#13 Sialyl Lewis X (BD)
#8 Lewis B (72 BM)
MEZ(detected with a-HUD)
ME5(detected with a-HUD)
NVJ(Native)
PCH-3
WT-MOX
VGA(EY Lab)
MVA-M
LEL
SBA
hJAA-F11-81
GSL-I
Ca
PWM
WAE
SCA
GNL
MAL1
NPA
LCA
GSL-I-B4
CSA(EY Lab)
HPA
HAA
AIA
Thrombin
CgnA
Human Galectin
PAC-Gal
PHA-E
Mouse Galectin
VCA
CTB
OAA
PSL
Sp Serotype
MoM3T-CNL
MGL GB
Avr(2)-Fc
Epa1-Np mutant Y228F
AAL
AVA
Epa1-Np
TdPBL2
HA70 complex(EY Lab)
GNA
ACG
Epa1-Np mutant E227A
CVN
OAA
EEL
SBA
PHL
MAA(Seikagaku)
VVRB a/GAL(2)
Epa1-Np
Mono2
SSA
WGA(Seikagaku Bio)
WT Galectin
CNL
VCA
Galectin-1
Mouse NKR-P1C
CC1G
CC1G-Sp
LEL
SSL0-488
PSL
Galectin-3
VVH
HA (Legolin)
WGA mutant
human Gal-3
mouse Gal-7
Ta
SJL
RCAI (Vector)
WGA
LSL-150
SNA

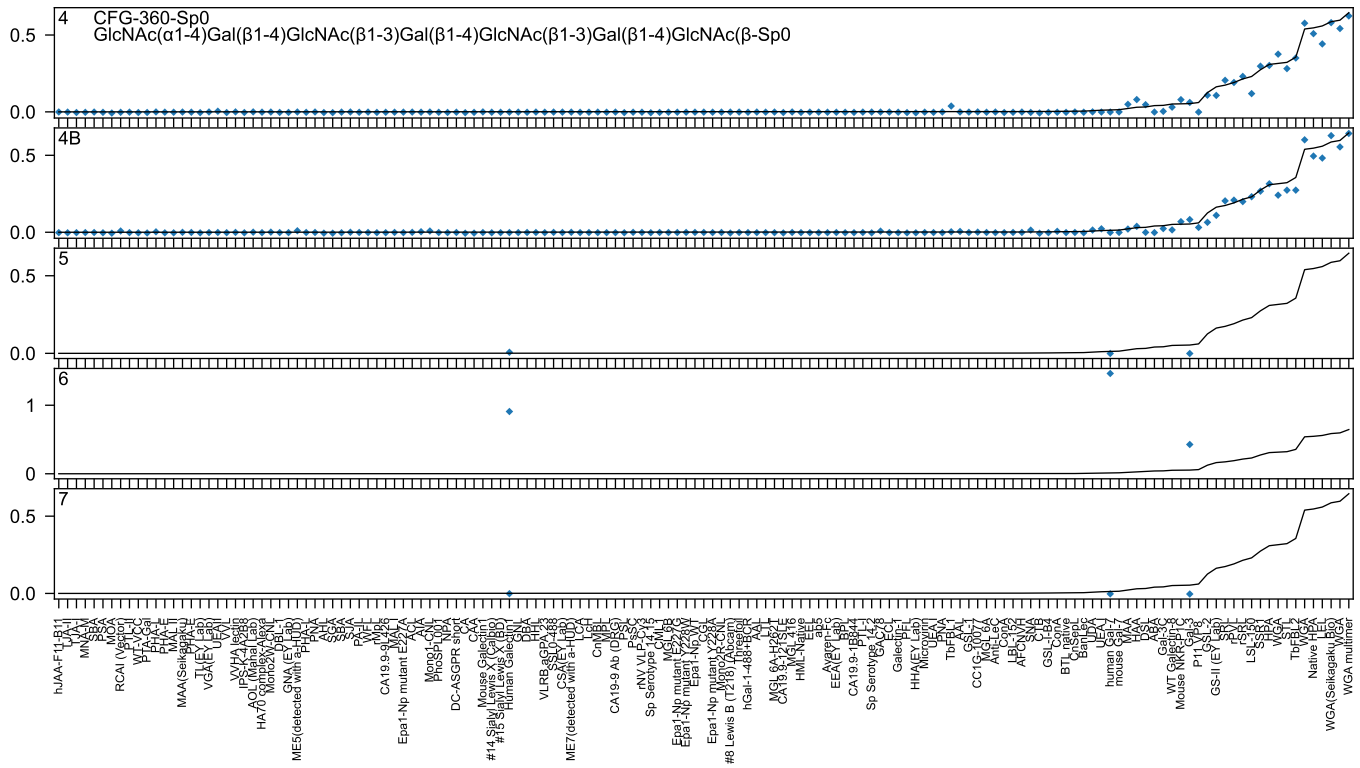

4
CFG-355-Sp0
Gal(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.2
0.0
1
0
SNA
SBA
PSA
SJA
PTL-I
PTL-II
VGA(EY Lab)
PHA-L
PAL
RHA-E
MAA(Seikagaku Lab)
MAL-I
MAL-II
PNA
JFAL
JAC-I
TL (EY Lab)
HA70 complex (Lab)
Microvirin
AOL (Marfat Lab)
ABA
TbFBL-1
SSA81
MOA
CIPA
PHA(E)
PHA(L)
WF
UEA-II
PFAL
Mono2R-PFAL
CA19.9-121
SLE
ACA
MGL 418
MGL 420
DC-ASGPR
Sp Serotype 3
Sp Serotype 14
CFG
Sp Serotype 14-32
VVGA
AAL
Mouse Galectin-1
Human Galectin-1
PhoSL001
Epa1-Np mutant
UEA-I
CnMBL
ACG
WT-XCC
Mp91 YPR
LCA
LBL-I
sSLD-488
HPA
HHL
LTA
Mono2R-DBA
#15 Sialyl Lewis X (Bio)
#14 Sialyl Lewis X (Calbiochem)
GSL-2
CGA
PCA
PEA
EEL
CA19.9 sialyl Lewis A
VGA(Lab)
hJAA-F11-B11
MPL
MGL 6A-H262
Thrombomodulin
BmFBL2
BmFBL6
MGL 6B
#8 Lewis B (T218)
MGL Neamu
SSA
VLRB aGPC
IBS K-A2268
GSLII (EY Lab)
Epa1-Np mutant Y229A
Epa1-Np mutant Y229H
ECL
SJA
Epa1-Np mutant K220N
Epa1 Np
CSAR
CMLV
AIL
Avaren-Fc
nNV VLP-B9
AFCNVH
CA19.9 (Lab)
EEA-488-BC
OAA-488-BC
CA19.9-488-BC
Mouse NK-RP1
BJ
MNA-N
BJ
GNA (EY Lab)
Gal-3C
CSA(EY Lab)
CA19.9-18844
VGA
WT Galectin-8
DBL-1
Anti-LBC
Anti-LBC
ME7(detected with a
ME5(detected with a
Gal-3
Gal-3
BTSL-160
BTSL-14194
GSL-I
RCA(Vector)
WGA multimer
mouse Galectin-1
CC1G-10017
SSA
CnSep1
GNA
PAIL

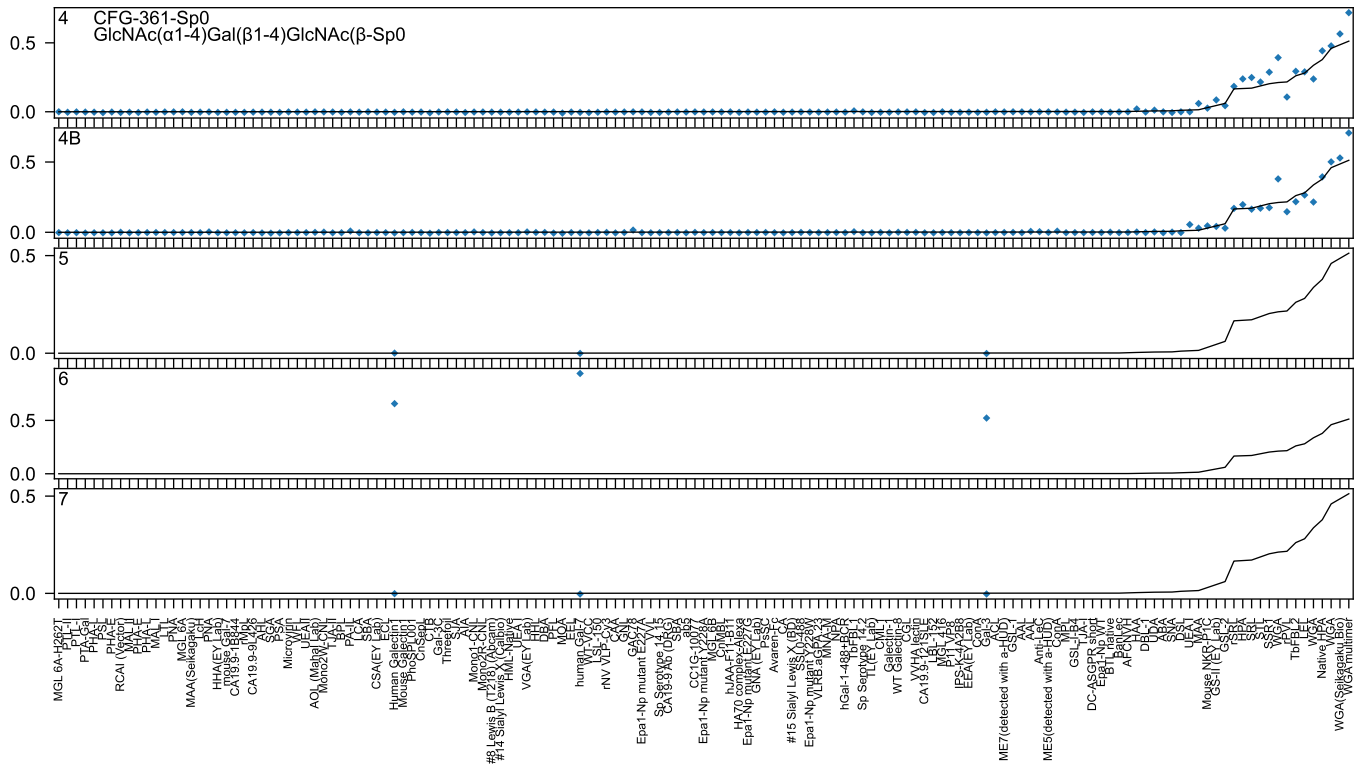

4
CFG-356-Sp0
GalNAc(β1-3)Gal(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
0.25
0.00
0.2
1
0
SNA
NOA
WT-VCA
ME5(detected with a-HUD)
TL(EY Lab)
LCA
ME7(detected with a-HUD)
PSA
RCA I(Vector)
RCA I(EY Lab)
#8 Lewis B (T218) (Prozyme)
VLRB.a(Seikagaku Bio)
WGA(Seikagaku Bio)
Native-VCA
CA19.9-18844
AOL(Mahal Lab)
ABA
EEA(EY Lab)
GNA(EY Lab)
BanLec
HHA(EY Lab)
WGA multimer
HA70 complex-HKA
SNA
SBA
UEA1
DSL
VGA(EY Lab)
SSA(R)
CA19.9-7-2(BD)
#15 Sialyl Lewis X (BD)
PS-K-4A288
AIA
Thomsen
Phenol
CA19-9 Ab (DRG)
PH1
UCB
OAA
Epa1-Np mutant Y228A
GSL-2
GNL
EEL
Epa1-Np mutant Y228A
ANL
Mouse Galectin-1
HPA
Sp Serotype 14-1-84
Human Galectin-1
ECA
UEA1
NPA
PNA
Mouse NKR-P1C
CA19.9-1-428
MAA(Seikagaku)
HGL
Epa1-Np WT
Sp Serotype 5-5R
MAL1
CSL
Tb-VGA
#14 Sialyl Lewis X (Calbiochem)
HMA
AHL
COA
AFL
hJAA-F11-B11
hGal-1-488+BCR
PSL
Avarol
LCH
LBL
Molluscan
DBL-1
PHA-L
PHA-E
MAA
Epa1-Np mutant E227A
Mono2R-CNL
Bacterialive
GS-II (EY Lab)
ABA
MNA
SSA
Epa1-Np mutant E227G
Gal-8
MpL
PTA-Gal
AmyGal-3
RIA
CrvGL
OGL
WT Galectin-1
Mono2W-PNL
HHA
T-Ag
Mono1-CNL
human Gal-7
LSL-155
CSA(EY Lab)
BPL
MGL 6A-H-Gal
mouse Gal-7
MGL 416
VVL
MGL-68
CC1G-1-Gal
NEA
MGL-3
DC-ASGPR
SJA
VVL

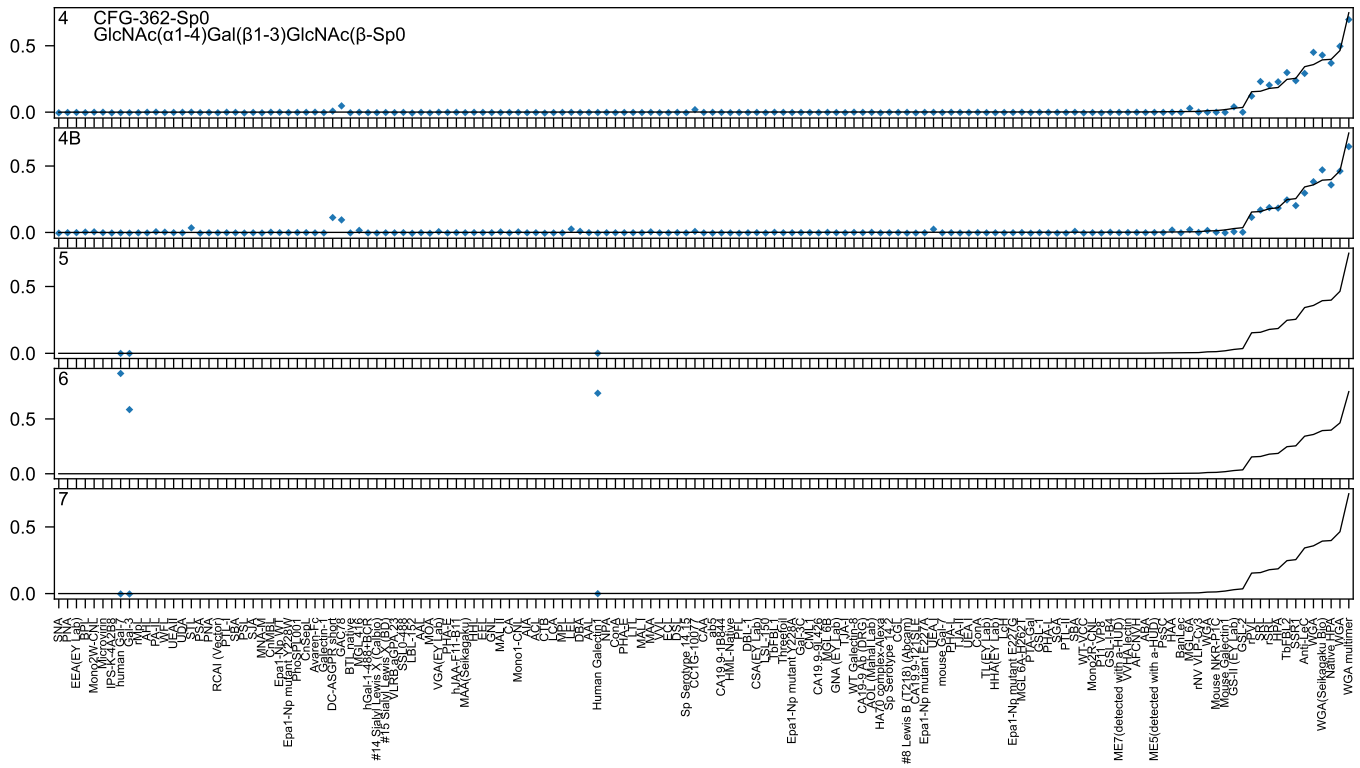

4
CFG-357-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
PFS-K-4A-288
CA19.9-1B288
CA19.9-1B244
HA70 complex-Alexa
FAJ
FAJ
WF
WF
TL(EY Lab)
VEAH
VEAH
LEA
LEA
PRA
PRA
PHA-E
PHA-E
GS-II (EY Lab)
GS-II (EY Lab)
PHA(EY Lab)
PHA(EY Lab)
PHA-L
PHA-L
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-Np mutant E227A
CA19-9 Ab (DRG)
CA19-9 Ab (DRG)
BVA (Prenetics)
BVA (Prenetics)
#8 Lewis B (T218) (Abcam)
#8 Lewis B (T218) (Abcam)
SSL7-Fc
SSL7-Fc
ME5(detected with a-HUD)
ME5(detected with a-HUD)
TBL-165
TBL-165
WFA-VC
WFA-VC
MOA
MOA
VGA(EY Lab)
VGA(EY Lab)
PRA
PRA
ME7(detected with a-HUD)
ME7(detected with a-HUD)
MGL(EY Lab)
MGL(EY Lab)
UMA
UMA
CCA
CCA
Human Galectin-1
Human Galectin-1
Mouse Galectin-1
Mouse Galectin-1
Threonin
Threonin
AIA
AIA
PHA-E
PHA-E
GSII-2
GSII-2
GNL
GNL
CSA(EY Lab)
CSA(EY Lab)
CAA
CAA
GSL-I-B4
GSL-I-B4
NPA
NPA
EEA(EY Lab)
EEA(EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E227A
VVA
VVA
TKB aGFA-23
TKB aGFA-23
Anti-Fb
Anti-Fb
BP
BP
#14 Sialyl Lewis X (Calbio)
#14 Sialyl Lewis X (Calbio)
hGal-1488-ECH
hGal-1488-ECH
#15 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
Sp Serotype 15
Sp Serotype 15
Sp Serotype 14
Sp Serotype 14
CA19.9-121
CA19.9-121
SLE
SLE
HA
HA
PEL
PEL
Epa1-Np mutant Y225A
Epa1-Np mutant Y225A
HML-Native
HML-Native
CGL
CGL
Microvillin
Microvillin
PhoSPLC001
PhoSPLC001
EEL
EEL
BanLec
BanLec
GAL8
GAL8
SCA
SCA
PSL
PSL
PSA
PSA
ACL
ACL
MPL
MPL
hJAA-F11
hJAA-F11
P11
P11
AJL
AJL
RCA (Vector)
RCA (Vector)
VVA (Vector)
VVA (Vector)
CC1G-1002
CC1G-1002
P11
P11
VEA
VEA
UDA
UDA
AFCS
AFCS
NVA
NVA
DBL-1
DBL-1
Galectin-1
Galectin-1
BVL
BVL
GSL-I
GSL-I
Monoz2K
Monoz2K
DSL
DSL
Mouse NKR-P1A
Mouse NKR-P1A
DAX
DAX
CoMB
CoMB
Monoz2K-CN
Monoz2K-CN
MOA
MOA
TcFBL2
TcFBL2
MGnSG
MGnSG
rNV VLP-Cy3
rNV VLP-Cy3
SSR1
SSR1
AOL (Mahal Lab)
AOL (Mahal Lab)
human Gal-7
human Gal-7
MGL-B4
MGL-B4
mouse Gal-7
mouse Gal-7
WFA-Alexa
WFA-Alexa
Mono1-CNF
Mono1-CNF
PSB
PSB
LSL-189
LSL-189
PSLL
PSLL
DC-ASGPR sport
DC-ASGPR sport
WGA(Seikagaku)
WGA(Seikagaku)
HPA
HPA
TcFBL1
TcFBL1
Gal-3
Gal-3
VGA
VGA
HPA
HPA
Native HPA
Native HPA
WGA multimer

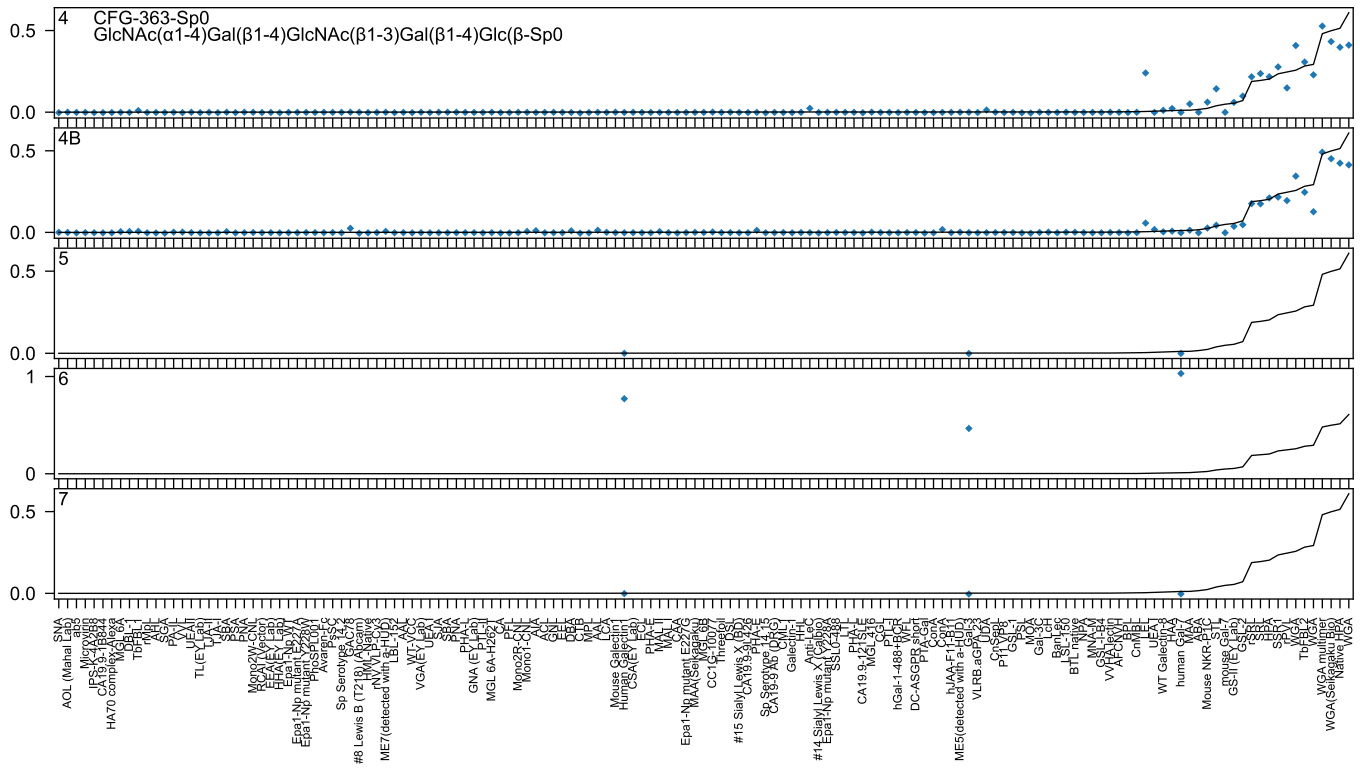

4
CFG-358-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
#15 Sialyl I-A (BD)
Lewis X (BD)
Threo(R)
ME7(detected with Threo(R))
ME5(detected with Threo(R))
LAS(Sigma)
TPS-K-4A288
HA70 complex-Alexa
PNA
Apo-1-001
PhoSL-001
Epa1-Np mutant E227G
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (Calbiochem)
CA19-9-1-428
CA19-9-1-238LE
Epa1-Np mutant T223S
Sp-mutant T223S
CA19-9-1-B44
HMC-NaVA
Ban-lec
WGA
Epa1-Np mutant E227A
GAC/28
GNL
hGal-1-488+DTT
MGL
PSL
PEL
CSA(EY Lab)
CML
Epa1-Np
MAA(Seikagaku)
MGL6-H-285
VGA(EY Lab)
TL(EY Lab)
GSL-I
UEA
BTL (native)
LAA
Microvirin
VLRB.aGP.E5
BPL
PWM
MAL-I
LTA
LCA
Avager-Fc
Galectin-1
Mouse Galectin-1
LCA
PSA
PTA-1
PVA-E
GNA(EY Lab)
EEA(EY Lab)
GS-II (EY Lab)
SBA
RCA
SNA
VAA
MPA
UEA-I
PHA-E
PHA-L
MAA
NPA
CGA
SSL-C488
CRA
SNA
HHA(EY Lab)
MPL
AOL (NIBH Lab)
Mouse NIBH Lab
GSL-I
EBA
Mono2R-CBL
CBL
SNA
Combi
Galectin-1
MGL 416
Human Galectin-1
DSL
LBL
APL
SSA81
CC1G0009
TxP
TVFRNF
Mono2W-CBL
DBL-1
VVHA-Lectin
MGL 56
PAC-Gal
nVV VLP-Fc/3
human Galectin-7
PTL
PsSC
Mono1-CBL
WGA(Seikagaku)
WGA(Calbiochem)
Galectin-8
SPL
TcEBL-1
mouse Galectin-7
RCAI (Vector)
STL
DC-ASGPR sandwich
WGA
HPA
LSL-150
Native HPA
WGA multimer

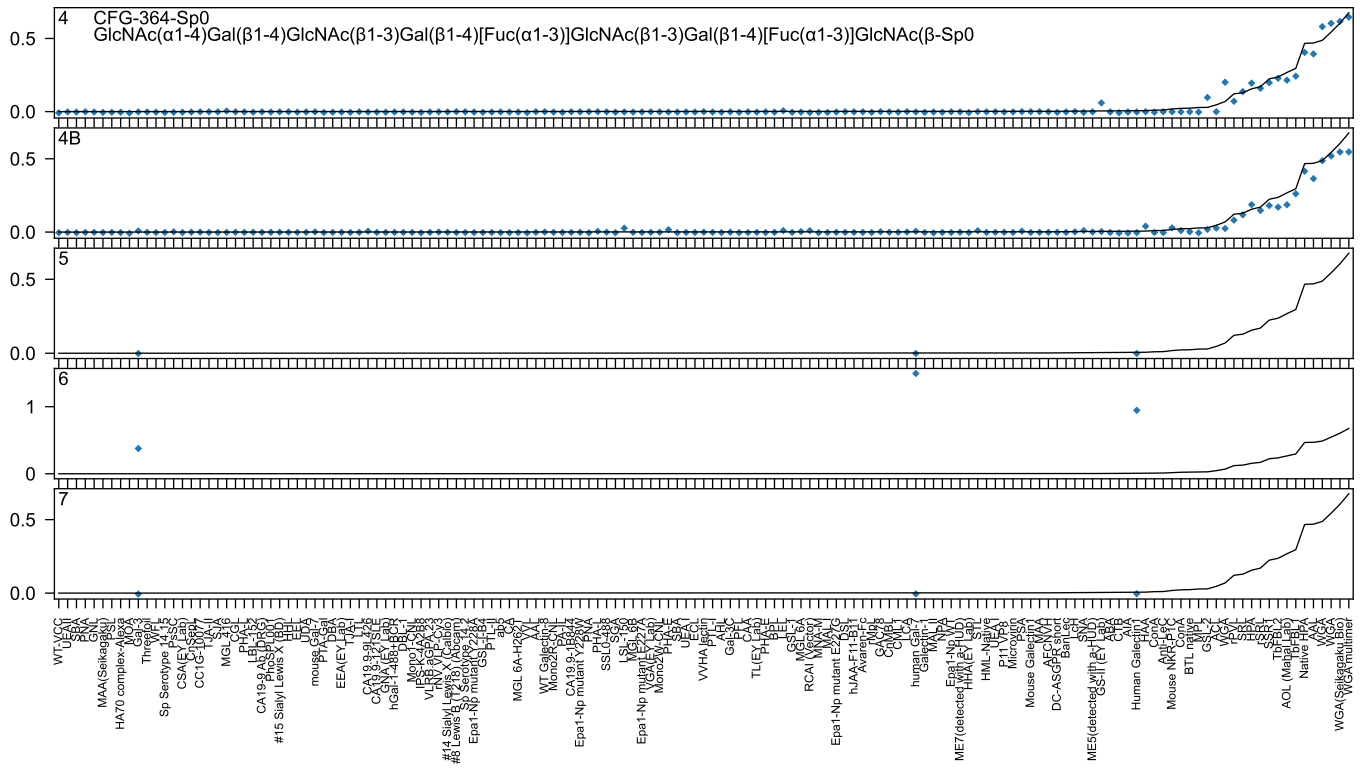

4
CFG-359-Sp14
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-3)]GalNAc(-Sp14
0.1
0.0
4B
0.05
0.00
5
0.05
0.00
6
1
0
7
0.05
0.00
EEL
PNA
Mouse NKP-PTC
RCA-I
DVA-Gal
LBL-152
Sp Serotype 14
SBA
HA70 complex-Alexa
Sp Serotype 14-2
ABA
Anti-LEC
TL(EY Lab)
hGal-1-488-FSCS
UDA
CSA(EY Lab)
hJAA-F11-B11
UEA-I
VLRB.aGP.A23
PhoSL
LTA
VGA(EY Lab)
Threo(ol)
CA19-9 Ab (DBS)
CC1G-1D8
GAC178
MGL-418
Epa1-Np mutant Y226A
GlcA
Epa1-Np mutant GSL-2
Epa1-Np mutant E227A
Native TIPA
NPA
VVL
CA19.9-1215-LE
BPA
BPA-E
Epa1-Np mutant E227A
Epa1-Np mutant GSL-184
VVHA Leeuwen
EnpA
Epa1-Np mutant Bay-160
Mono F-CN
SCA
Galectin-1
CA19.9-1B44
IPS-K-4A-B6
MPL
GNA
MAA(Seikagaku)
P-11-VB8
CA19.9-1A-426
#8 Lewis B (T218) (Abcam)
PHA-L
PHA-E
AAL
ACA
HML-Native
AIL
SBA
PNA
WGA
CGA
Gal3
PAL-I
PAL-II
PHA-L
GNA(EY Lab)
Mono2R-PNL
Microvirin
CVN-1
BP
MNA
SNA
PVL
WGA multi
MGL-64
GS-II (EY Lab)
WGA(Seikagaku Bio)
Mouse Galectin-10
AIA
UEA-I
MGL 6A-H2B7
PWM
MGL-1
Mon2W
PTL-I
Mouse Galectin-3
mouse Gal-7
HHA(EY Lab)
Epa1-Np
VOA
WT-VCC
CTB
Human Galectin1
human Gal-7
AOL (Mahal Lab)
DBL-1
CnSepl
BTL-A
ME5(detected with a-HUD)
ME7(detected with a-HUD)
#15 Sialyl Lewis X (BD)
SSA
MAL II
TJA-II
WT Galectin-8
SSL
TJA-I
#14 Sialyl Lewis X (Calbio)

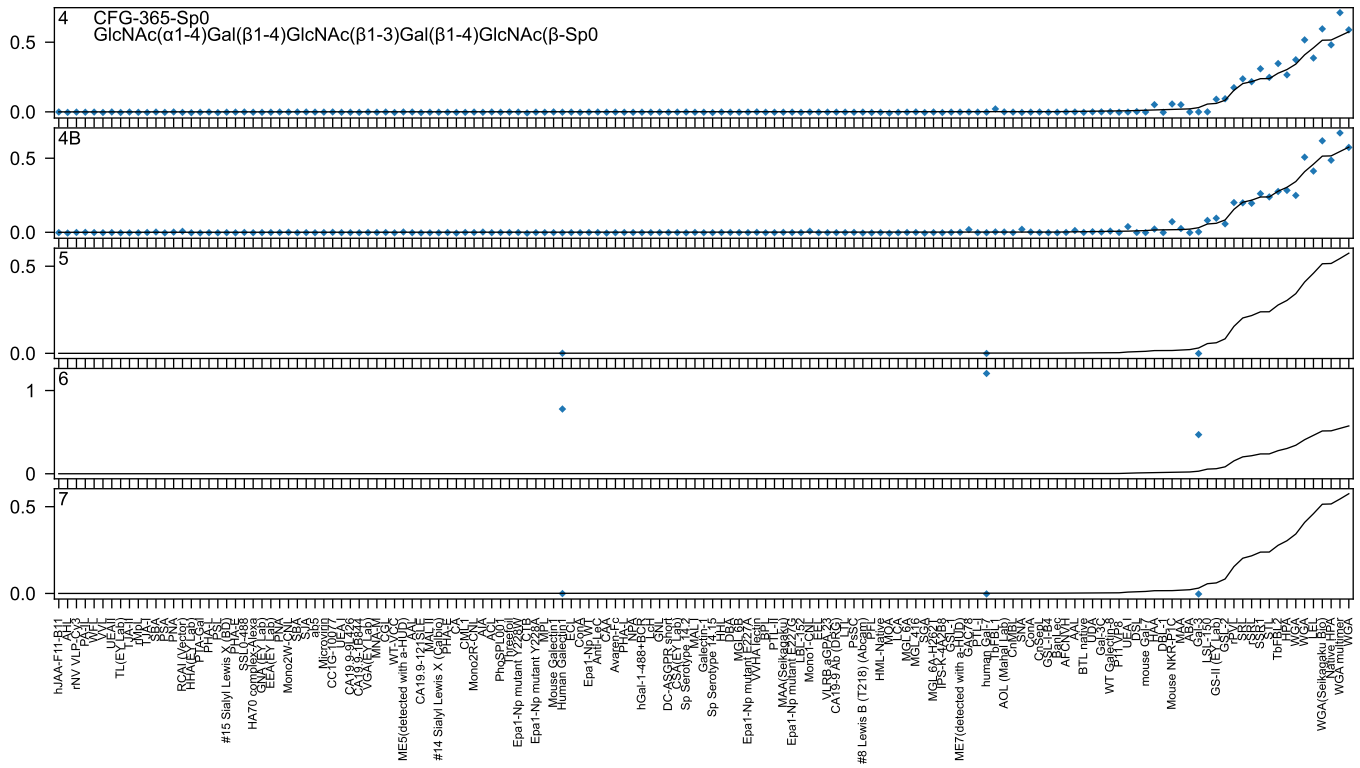

4
CFG-360-Sp0
GlcNAc(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hJAA-F11_B11
VVA
MNA
SBA
PSA
RCA I (Vector)
WT_VC
PTA-Gal
PTA-E
MAL II
MAA(Seikagaku)
PHA-E
VGA(EY Lab)
UEA I
LCA
VVHA (ecl)
PSL-K-4-A288
AOL (Mixture)
HA70 complex (Mixture)
Mono2W-CNL
GSL I-B4
GNA(EY Lab)
ME5(detected with anti-HAB)
PHA-L
PNA
SGA
SGA
SBA
PAL
WFL
CA19.9-Np426
MGL
Epa1-Np mutant E227A
ACL
Mono1-CNL
PhoSPL (Mix)
MPA
DC-ASGPR short
CAA
#14 Sialyl Lewis x (BD)
#13 Sialyl Lewis x (Mix)
Mouse Galectin1
Human Galectin1
DBA
PHA-P
VLRB.aGPC1
SSL7-488
CSL3-488
ME7(detected with anti-HLD)
LCA
CnMBL
CA19-9 Ab (DMG)
PSL
rNV VLP-Sp5
Sp Serotype 14-15
MGL (Mix)
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-Np WT
Epa1-Np mutant Y229A
Mono2R-CNL
#8 Lewis B (T218) (Accam)
hGal-1-488+BGR
AOL
MGL 8A-1128F
CA19.9-1116F
MGL 416
HML-Native
ACL
aL5
EEA(EY Lab)
BPL
CA19.9-1B4
PTL-I
Sp Serotype 1a
CnL
ECL
Galectin1
HHA(EY Lab)
MNA
TbFBA
AAL
CC1G-488
MGL 6A
AmCorA
ABL-102
APCL-102
SNA
GSL I-B4
ConA
BTL-lectine
Banlec
UEA I
human Gal-7
mouse Gal-7
MAA
DSA
ABA
Galectin-8
WT Galectin-8
Mouse NKR-P1C
P11-VHB
GS-II (EY Lab)
SBL
rSPL
LSL-189
SSA
SBA
WGA
TbFBL2
Native HPA
WGA(Seikagaku)
BEL
WGA multimer

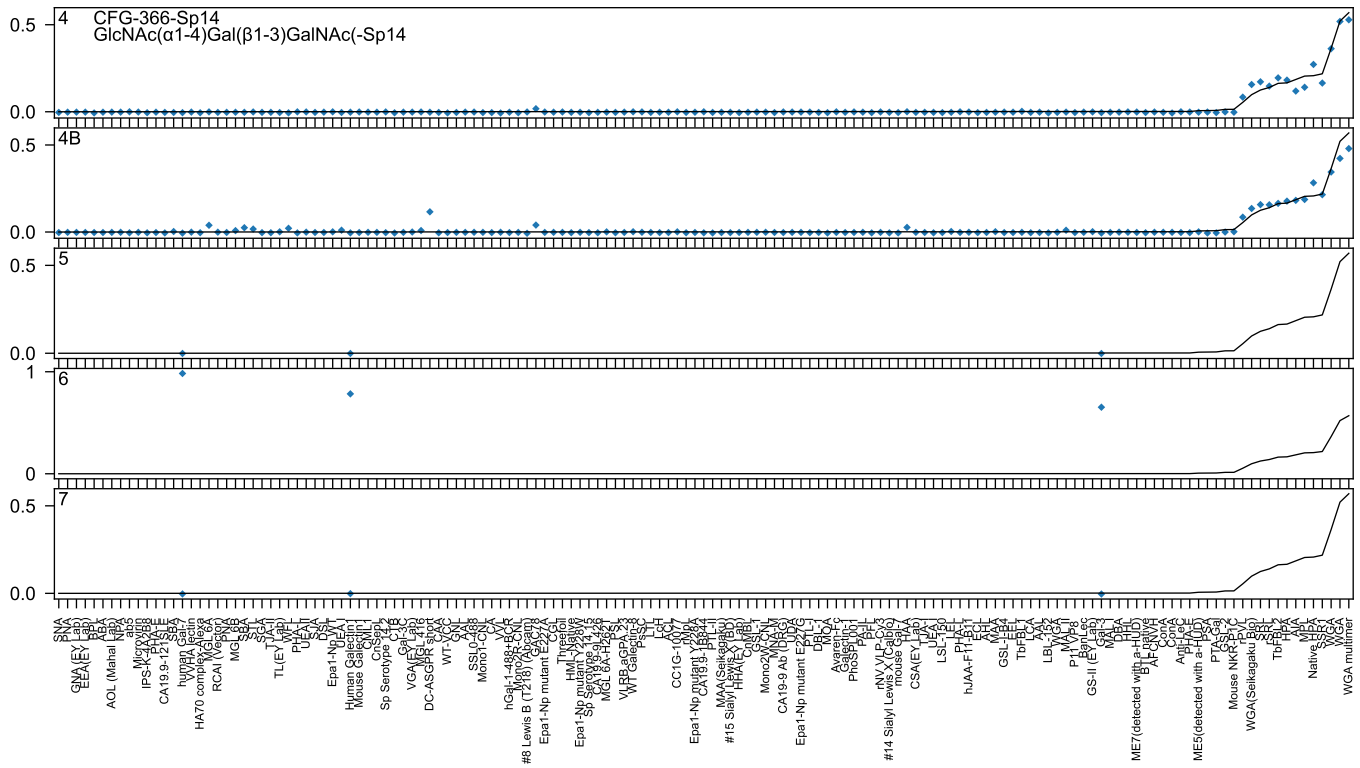

4
CFG-361-Sp0
GlcNAc(α1-4)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
MGL 6A-1(B2/7)
PTL-I
PHA-E
PHA-L
PSL
PNA
RCAI (Vector)
MAL-I
PHA-E
PHA-L
MAL-I
PNA
MGL
MAA
MAA(Seikagaku)
PGA
HHA(EY Lab)
CA19.9 (B244
CA19.9 (Mab
CA19.9-9G4
ABO
SSA
SSA
Microvillin
UEA-II
UEA-II
AOL (Maitra Lab)
Mono2(Yu Lab)
BPL
PNA
TCA
SBA
EPL
CSA(EY Lab)
EPL
Human Galectin1
Mouse Galectin1
PhoSL001
Chicken B
Gal-3C
Thrombo
SVA
ANA
Mono1-CNL
Mono2R-CNL
#13 Sialyl Lewis X (Seiken)
#14 Sialyl Lewis X (Seiken)
HML-Native
VGA(EY Lab)
DBA
DBA
PSL
MPA
human Gal-7
Gal-7
VSL-159
nNV VLP-CX3
CX3
GNL
Epa1-Np mutant Gal-2
Gal-2
CA19.9 (Mab
CA19.9 (Mab
SBA
CC1G-10077
Epa1-Np mutant Mgl2288
Mgl2288
hMA-Fc(Mab)
HA70 complex-Hexa
Epa1-Np mutant EC227G
GNA(EY Lab)
PsSD
Avaren-Fc
#15 Sialyl Lewis X (90)
Epa1-Np mutant Mgl2288
Epa1-Np mutant Mgl2288
VLRB.aGFA.23
MNA
NPA
hGal-1-488-BCR
Sp Serotype 14-2
Sp Serotype 14-2
TLLE (Lab)
Galectin-
WT Galectin
Galectin-
UCA
VVHA(lectin
CA19.9-LC-152
LC-152
MGL-1A6
MGL-1A6
IPS-K-4A288
EEA(EY Lab)
Gal-3
Gal-3
ME7(detected with a-HUD)
GSL-I
AAL
Anti-HUD
ME5(detected with a-HUD)
CGA
CGA
GSL-I
UJA-1
DC-ASGPR
UJA-1
Epa1-Np WT
Epa1-Np WT
BTL
Native
APOMVII
PNA
DBA
DBA
SGA
SGA
UEA-II
LEL
MAA
Mouse NEU
Mouse NEU
GSH (EY Lab)
Gal-2
Gal-2
RCA
RCA
SBA
SBA
SGL
SGL
SSA
SSA1
VGA
VGA
TbFBP2
TbFBP2
WGA
WGA
Native HEA
Native HEA
WGA(Seikagaku) Bio)
WGA(multimer

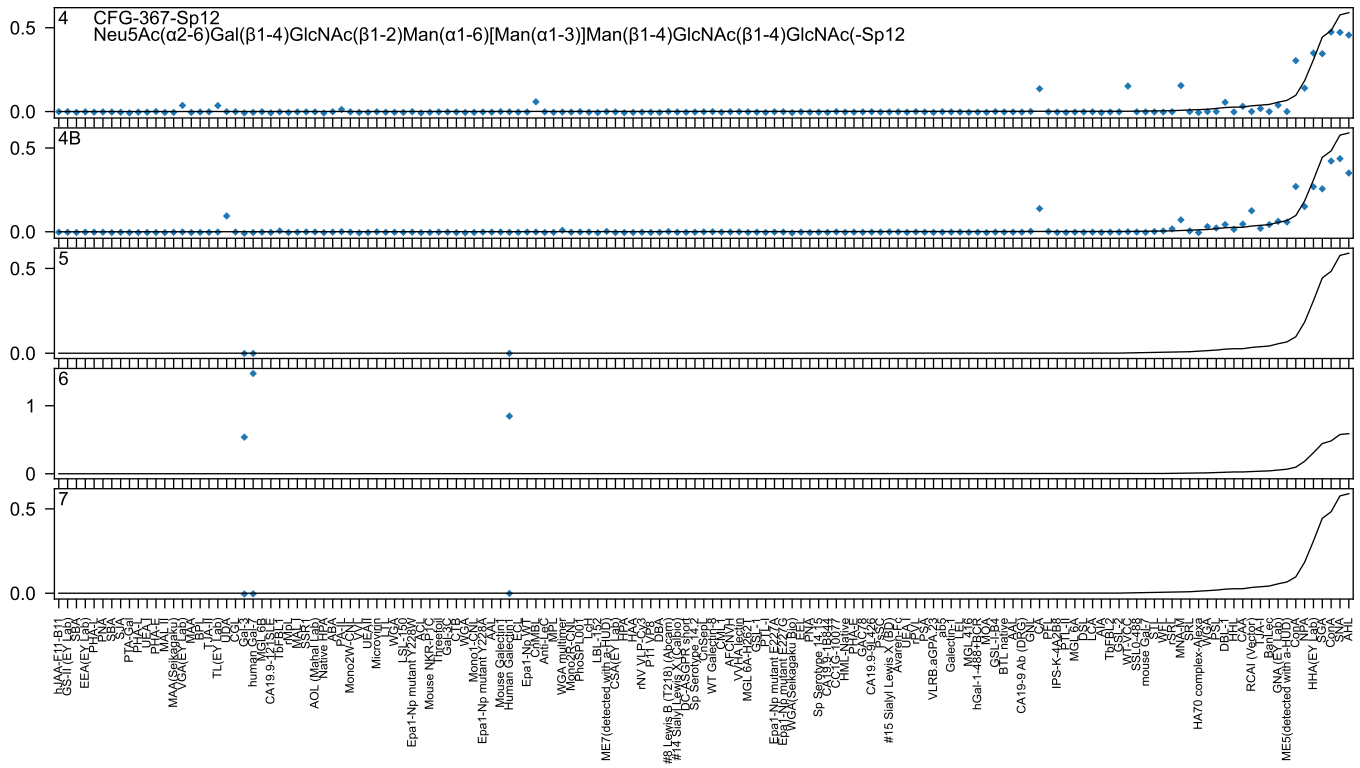

4
CFG-362-Sp0
GlcNAc(α1-4)Gal(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
PNA
EEA(EY Lab)
Mono2W-BNL
IPS Microvigil
human Gal-3
Gal-3
AAL
ACL
TVFF
UEAII
SNA
SJA
PSA
PSA
RCAI (Vector)
PNA
SEA
PSL
MNA-M
MNA-N
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
PhoSL-BBL
Avarol-Fc
Avarol-Fc
DC-ASGPR short
GAC-1
GAC-2
BTL-A
MGL-2416
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
VLRB-Sp0-188
VLRB-Sp0-188
LBL-192
MOA
VGA(EY Lab)
hAAA-F11-B11
MAA(Seikagaku)
EEL
EEL
MOA
Mono1-CA
CA
AIA
ACG
LCA
MEL
DBA
AAL
Human Galectin1
NPA
CGA
PNA-E
PNA-E
MALL
MAA
MAA
ECL
DSL
Sp Serotype 14
CCTC-10077
CAA
CAA
CA19-9-1B844
HML-Neuraminidase
CSA(EY Lab)
DBL-1
TSL-1
TSL-1
TbFBP-1
Epa1-Np mutant Y228A
GalNAc-T
CA19-9-1C426
GNA (EY Lab)
WT Galectin-1
CA19-9-Ab (PRG)
HA (Control Lab)
Sp Serotype 14-2
#8 Lewis B (CT218) (Abcam)
CA19-9-1C218
Epa1-Np mutant Y228F
UEA1
mouse Gal-7
TJA-I
TJA-II
OEA
THA(EY Lab)
THA(EY Lab)
Epa1-Np mutant E227G
MGL-6A
PTX-Gal
PSL-1
SGA
PSA
SBA
WT-VCC
Mono1-VCC
B11-VCC
GSL-I-B4
VVL-Ab(II)
APC-Ab
ABA
HAA
HAA
Ban Lec
rNV VP-Cy3
rNV VP-Cy3
Mouse NKR-VP4
Mouse Galectin1
GS-II (EY Lab)
PWM
PEM
SBL
RSL
SSA
SSA1
Amphidick
WGA(Seikagaku Bio)
Native WGA
WGA multimer
ME7(detected with α-HUD)
ME5(detected with α-HUD)

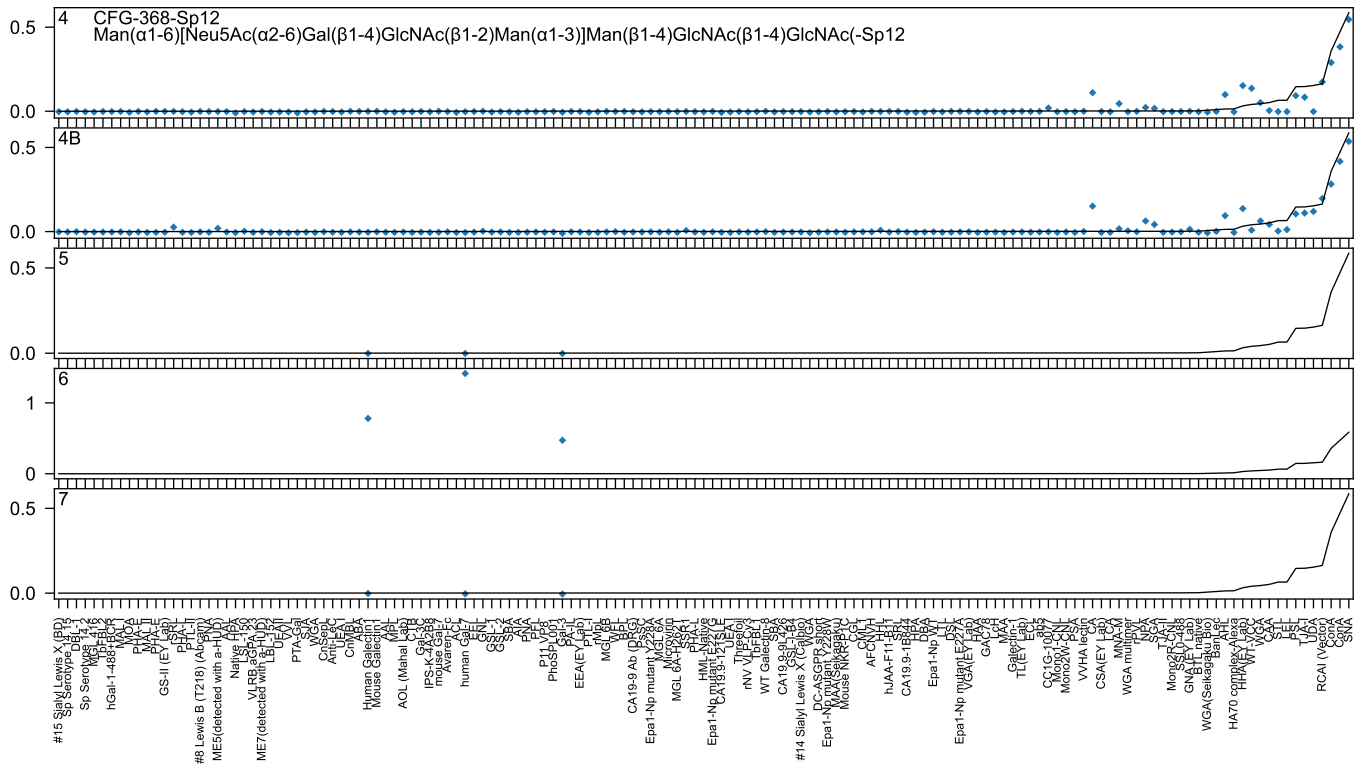

4
CFG-363-Sp0
GlcNAc(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
ACL
abs
AOL (Mahal Lab)
Mizuno
IPS-K12088
CA19.9-18844
HA70 complex
MGL6A
TDPBL-1
KNB
SGA
PAL
VEAH
TL(EY Lab)
LAA-1
BSA
PNA
Mon2W-CNL
RCA120
HHA(EY Lab)
Epa1-Np mutant E224A
Epa1-Np mutant E224A
PhosPLOB1
Avarol-SC
Sp Serotype 14
Sp Serotype 14
#8 Lewis B (T218) (Abcam)
MVN1 (Abcam)
ME7(detected with a-HUD)
LBL-A
ACC
WT-VCC
VGA(EY Lab)
UEA1
SSA
PRA
PHA-L
GNA (EY Lab)
PHA-E
MGL 6A-H262A
PFL
Mono2R-CNL
Mono1-CNL
AIA
GSL
DBA
CTB
MAL
LCA
Mouse Galectin-1
Human Galectin-1
CSA(EY Lab)
PHA-E
WALL
MAL
Epa1-Np mutant E224A
MAA(Seikagaku)
CC1(Yoo07)
Threse
#15 Sialyl Lewis X (BD)
CA19.9-Ab (428
CA19.9-Ab (ORIG)
Sp Serotype 14-15
Galectin-1
Anti-Hec
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant
BSL(Z488)
PHA-L
CA19.9-(21SLE
MGL-435
PHA-E
hGal-1-488-RPE
DC-ASGPR short
PA-IL
ConA
hJAA-F11(R17)
ME5(detected with a-HUD)
VLRB.aGP53
UDA
PTL-II
CTX-B
GSL-I
MOA
Gal-3C
Banlec
BTL(Trait)
NPA
MVN
GSL-I-B4
VVL
ACG-II
ACG-III
BC2L
CnME
BPL
UEA1
WT Galectin-1
HHA
human Gal-7
ABA
Mouse NKR-STC
Mouse Gal-7
GS-II(EY Lab)
RSBL
HPA
SBA
SSA
WGA
Tb-RBA
PSA
WGA multimer
WGA(Seikagaku)
Native PA
WGA

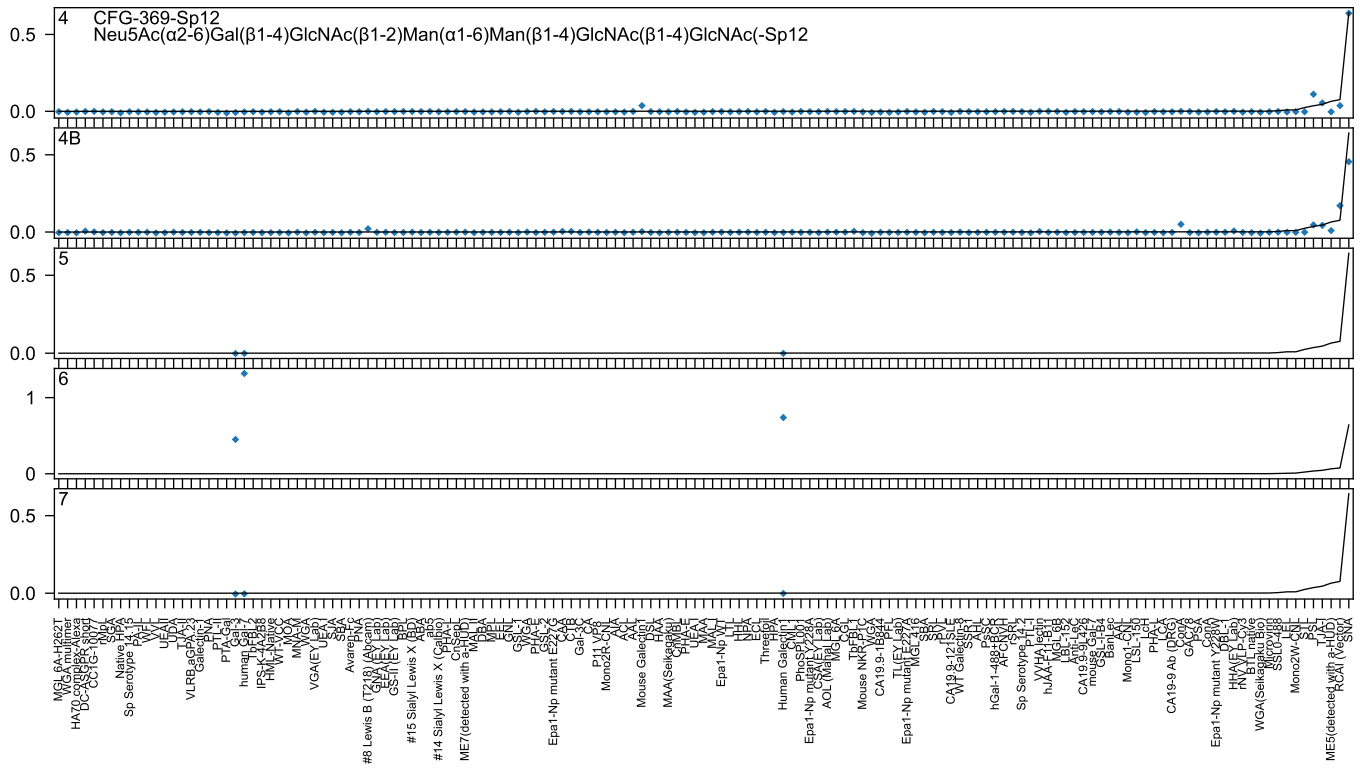

4
CFG-364-Sp0
GlcNAc(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp0
4B
5
6
7
0.0
0.5
1
WT VGC
UEA
SBA
GNA
MAA(Seikagaku)
HA70 complex-Alexa
GUA
Threpolo
Sp Serotype 14-15
PsSC
CSA(Fushimi Lab)
CC1G-10077
SNA
MGL-C3B
PHA-E
PHA-L
CA19-9 Ab
PhoSP-1001
#15 Sialyl Lewis X
LEL
UDA
mouse Gal-7
PNA
DBA
EEA(EY Lab)
UEA
CA19-9-Sp2B
cAGM(EY Lab)
hGal-1-489
BC-1
Mono1-CN
VLRB aGPA
VLRB aGPA
INV VP-Ac23
#14 Sialyl Lewis X
#8 Lewis b (Abcam)
Epa1-Np mutant
Sp Serotype 14
Epa1-Np mutant
GSL-I-B4
pTEN
abl
MGL 6A-H2
OVA
AAL
WT Galectin-7
Mono2R-CN
Epa1-Np mutant Y228W
CA19-9-1B44
PNA
SSL0488
SSL0489
LSL-150
Epa1-Np mutant
VGA(EY Lab)
Mono2-PHA-E
SBA
UEA
EC
VVHA
ACL
GEP
CAA
TL(EY Lab)
PHA-E
BEL
GSL-I
RCA(
MGL-6A
MGL-C3B
Epa1-Np mutant E222G
hJAA-F11
DSL
Avarep-Fc
Avidin
CMLP
CNA
human Gal-7
Galectin-1
KAL-1
Epa1-Np
ME7(detected with a HUD)
HHA(EY Lab)
HML-Native
P11-VP8
Microvirin
Mouse Galectin1
AFCM
DC-ASGPR short
Bam-Lec
SNA
ME5(detected with a HUD)
GSL-III(EY Lab)
ABA
Human Galectin-1
HHA
ConA
Mouse NRP-PTC
ACA
ConA
BTL
WFA
GSL-I
WGA
RCA
SSL
LEL
LBA
sSSL
TxB
TbPLD
AOL (Matreya)
TbPLD
Native PHA
PHA
WGA
WGA(Seikagaku)
WGA(Biotin)
WGA(multimer)

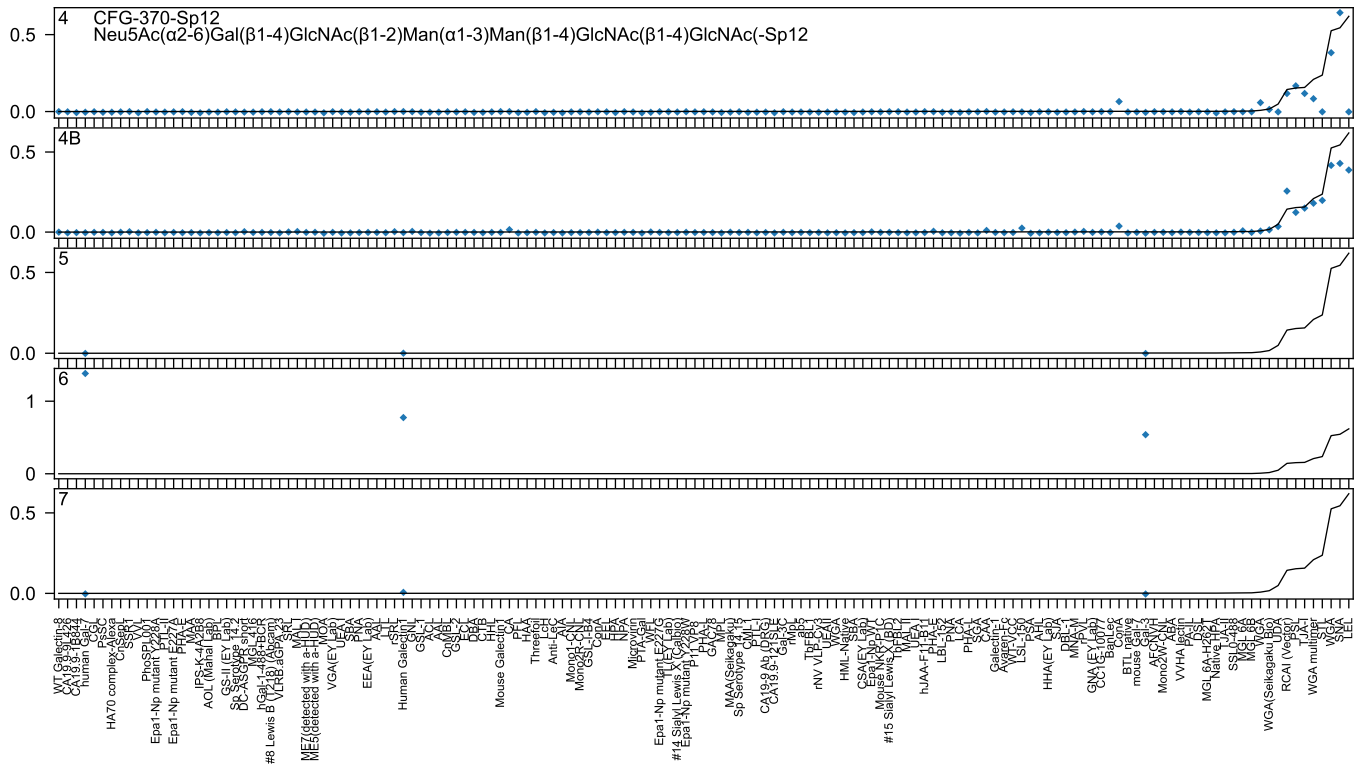

4
CFG-365-Sp0
GlcNAc(α1-4)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hJAA-F11_B11
nNV VLP-C-v3
RCA
WFL
UEA
UEA(Lab)
TL(EY Lab)
MAL
MAL1
MAL2
BSA
PNA
RCAI (Vector)
HHA(EY Lab)
PA-Gal
PSL
#15 Sialyl Lewis A (LRD)
SSL0-488
HA70 complex
HA70(EY Lab)
EEA
EEA(EY Lab)
Mono2W-CN
SSA
SNA
abo5
CC1(C-10079)
Mouse
CA19.9-1(EAC)
CA19.9-18844
VGA(Lab)
WGA
CGL
ME5(detected with a1-RUDI)
CA19.9-121
SAL
CA19.9-121(Lab)
#14 Sialyl Lewis X (Lab)
KIALT
PCA
Mono2R-CN
AIA
PhoSP_001
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
CTB
Epa1-Np mutant Y228A
Mouse Galectin1
Human Galectin1
LEC
CoA
Epa1-Np
Anti-LeC
CAA
Avarepatin
PHAE
hGal-1488+BCR
LGI
DC-ASGPR short
CSA(EY Lab)
Sp Serotype 1
MAL1
Galectin-1
HHL
DBA
MGL
Epa1-Np mutant E227A
VHA(EY Lab)
BPL
PTL-I
MAA(Seikagaku Bio)
Epa1-Np mutant E227Q
BC-CGF
Mono-CGF
VLRB aGP-A
CA19.9-1(ABC-R)
EPL
P-L-L
#8 Lewis B (T218) (Abcam)
HML-N
PTL
MGA
MGL-CA
MGL-416
MGL-H2024
MGL-6A-H2024
IPS-K-4A(BB)
ME7(detected with a-RUDI)
Gal-7
human Gal-7
Gal-7/8
AOL (Malbal Lab)
CNBP
ConA
ConA
GNSeq1
Gal-1
APCN
AAL
BTL native
Gal-3C
WT Galectin-8
Galectin-8
PHA-L
UEA-I
mouse Gal-7
HAA
Mouse NKR-P1C
MBA
Gal-3
GS-II (EY Lab)
GSL2
ISL
SSL
SSL1
SSL2
TcFBP
WGA
WGA
WGA
WGA(Seikagaku Bio)
WGA mutant
WGA mutant
WGA

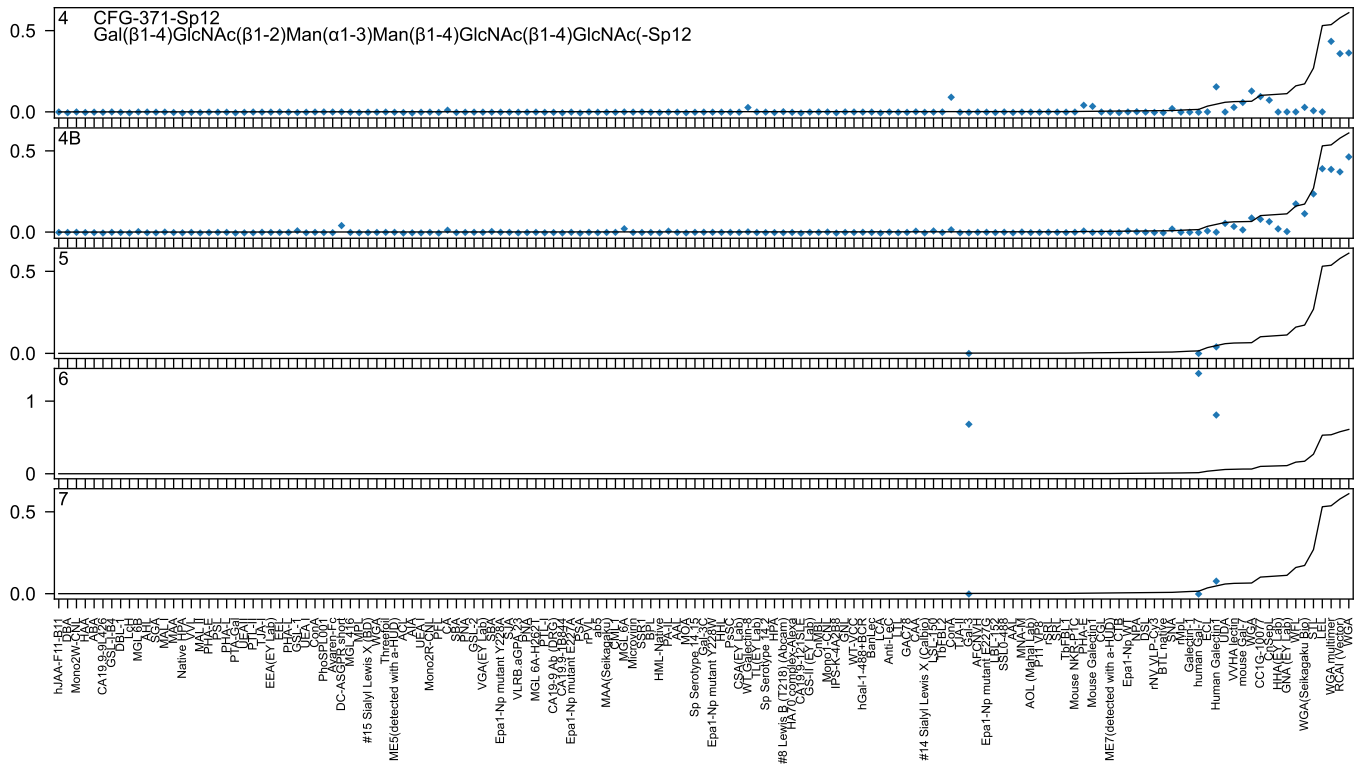

4
CFG-366-Sp14
GlcNAc(α1-4)Gal(β1-3)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
GNA(EY Lab)
EEA(EY Lab)
BPL
ABA
AOL (Mahal Lab)
NPA
abo
Microvibrio
IPS-K-AA268
CA19.9-121SLE
SBA
Galectin 7
VVHA (Lab)
HA70 complex
Alexa
RCA (Vector)
PNA
MGL
PNA
SGA
SGA
SGA
TL(EY Lab)
JAC-I
WFL
PHA-L
UEA-I
SJA
SJA
Epa1-Np
DSA
Human Galectin-1
Mouse Galectin-1
GMII
Sp Serotype 14-2
Galectin-8
Gal-1B
VGA(EY Lab)
DC-ASGPR short
WT-CAA
VGA
GNL
SSL0-268
Mono1-CNL
VVA
hGal-1-488-BCR
#8 Lewis B (12/18) (Abcam)
Epa1-Np mutant EA2/78
CGL
TNeo1cn
HML
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Sp Serotype 14-28
MGL 6A-H261
VLRB.aGPA.33
WT Galectin-3
PSL
LTL
ACL
CC1G-1007
Epa1-Np mutant Y228G
CA19.9 - 1116-NS-19-9
MAA(Seikagaku)
#15 Sialyl Lewis X (EY Lab)
HPA
CGL
Mono2VCNL
CA19-9 Ab (Abcam)
Epa1-Np mutant EA2/78
DBL
Avaren-2c
Galectin-1
PNGM
PAGL
rNV VLP Cr5
#14 Sialyl Lewis X (Calbiochem)
mouse SHA
CSA(EY Lab)
UEA
LSL-1B
PHA-E
hJAA-F11-B11
AAL
GSL-I-B4
TbpFBP
LCA
LBL
ACG
WGA
P1-VAR8
EcnLec
GS-II (EY Lab)
Galectin-3
MAL
ABA
HHL
ME7(detected with a-HUD)
BS-I
AF-CRVH
DBA
ConA
Apo-LAC
ME5(detected with a-HUD)
PTA-SA
GSL-I
Mouse NKR-P1C
WGA(Seikagaku Bio)
SSL
TbpFBP2
AIA
MPA
Native sialidase
SSL1
WGA
WGA multimer

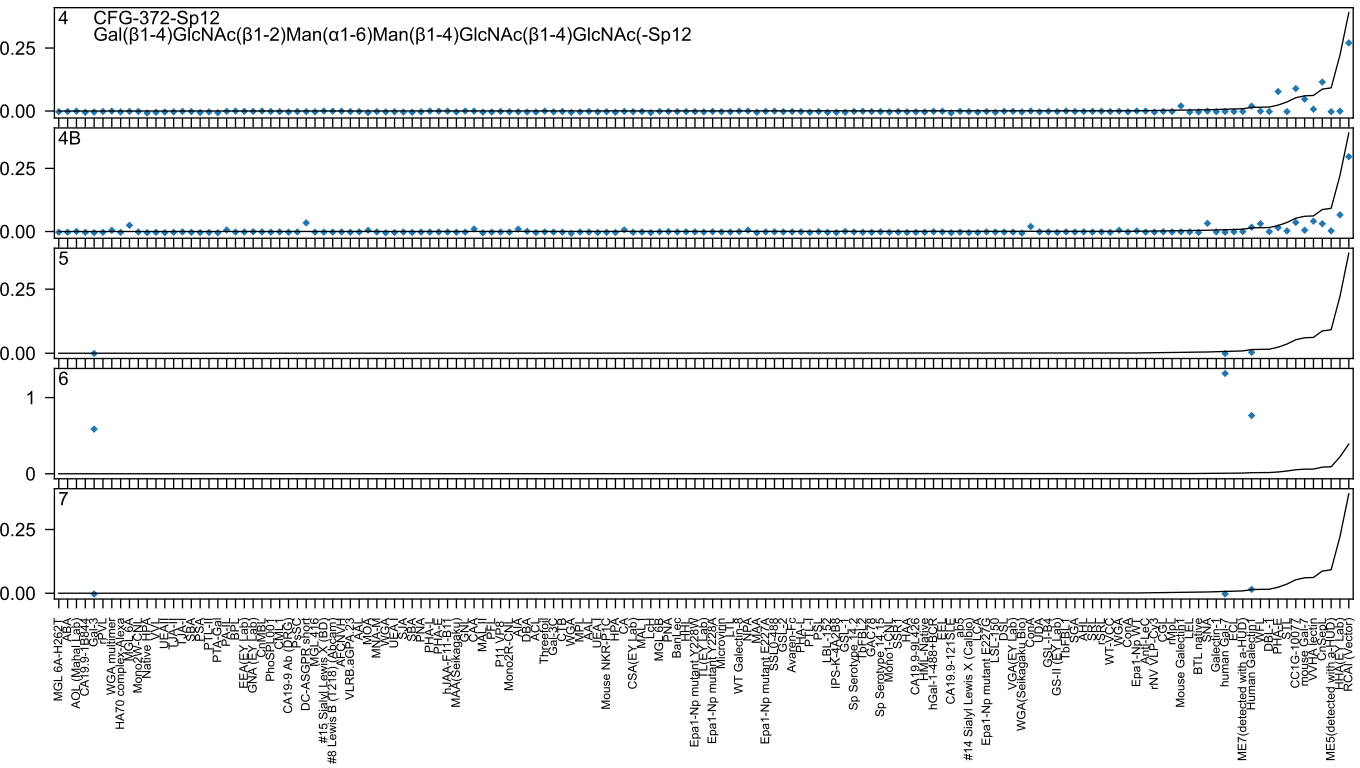

4
CFG-367-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
hMAF(EY Lab)
B11
GSA(EY Lab)
SBA
EEA(EY Lab)
PNA
PHA-L
ERA
SJA
PTA
Gal
DSA
UEA1
MAL-I
MAA(Seikagaku)
VGA(EY Lab)
MAA
BPL
TL(EY Lab)
DBA
COA
Gal-3
human Galectin-3
WGA
CA19.9-1
Tn
STN
MPL
MSA-1
AOL (Mahal Lab)
Native Lab
ABA
Mono2W
PAL
CVN
UEA1
Microvirin
LHA
VFA
LSL
Epa1-Np mutant Y228W
Epa1-Np
Mouse NKR-P1C
Treeglol
Galectin
CTB
VGA
Mono1
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
Mouse Galectin-1
Human Galectin-1
Epa1-Np WT
CNMBL
Anti-Lewis X
MPL
WGA (Seikagaku)
WGA (Calbiochem)
PhoSPL001
LBL-152
ME7(detected with EY LAB)
CSA(EY LAB)
HPA
LCA
rNV VP1
P11
VP6
rNV VP1 Chem
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis a (Calbio)
Lewis a (Calbio)
Sp Serotype 14-2
WT Galectin-8
CMTL1
AAL
VVA
MGL 6A-H
MGL 6A-H 2621
GPL-I
Epa1-Np mutant E227A
Epa1-Np mutant E227F
WGA(Seikagaku Bio)
PNA
Sp Serotype 14-15
CCSC-16077
CCSC-16074
HMC-Native
GAC78
GAC79
CA19.9-1 Ab
#15 Sialyl Lewis X (BD)
Avarol
DEA1
PVL
VLRB.aGPA.33
aDS
Galectin-1
LEL
hGal-1-Alexa
GSL-I-B4
MOA
BS-I Native
CA19-9 Ab (DAKO)
CGN
PCA
IPS-K-1A2B8
MGL-1A
DSL
AIA
TxBL2
WT VCC
SSL Gal89
mouse Galectin-9
STL
MNA-M
HA70 complex-Alexa
VSA
DBL-1
CAA
RCAI (Vector)
Ban-lec
GNA (EY Lab)
ME5(detected with EY LAB)
CGA
HHA(EY Lab)
NPA
SGA
CSNA
AHL

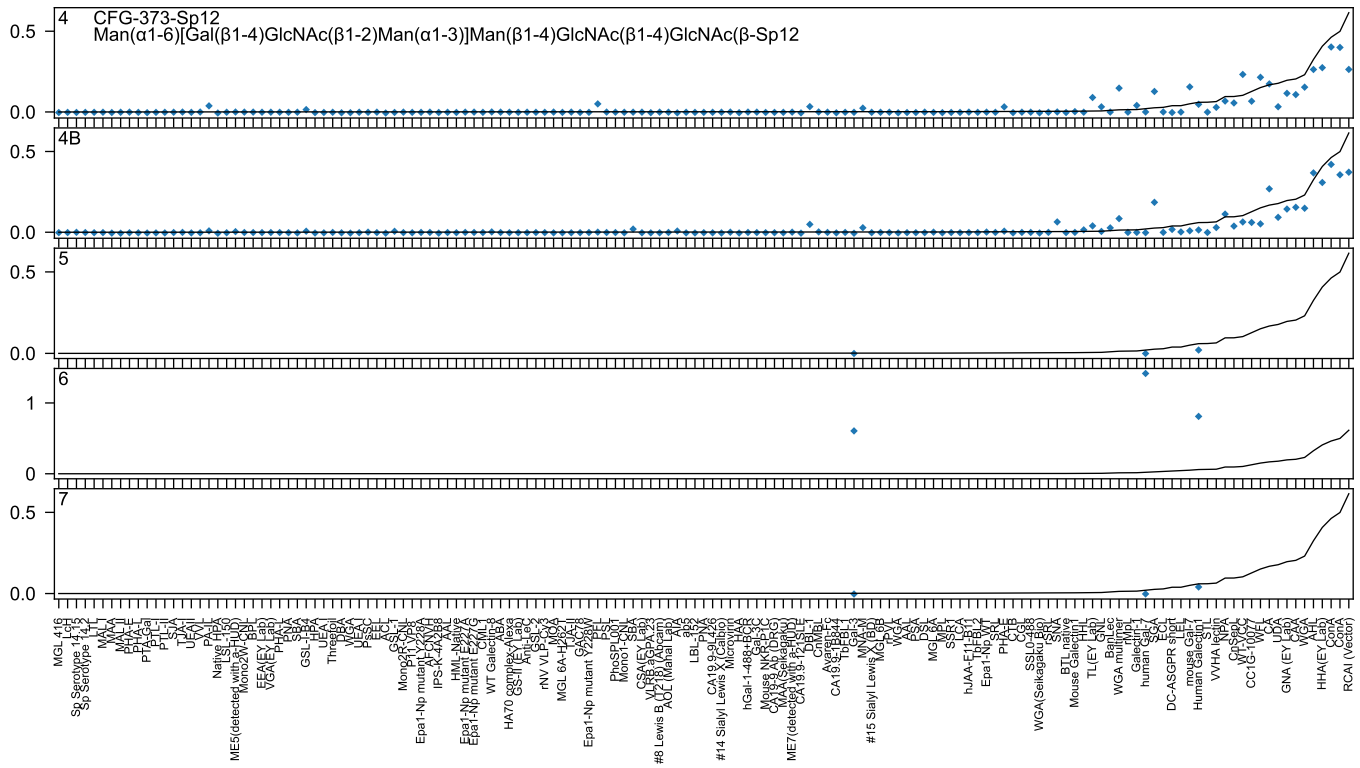

4
CFG-368-Sp12
Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
#15 Sialyl Lewis X (PD)
Sp Sialyl-T
DBL-1
Sp Serotonin
Vim 416
hGal-1-488
Bovine
PNA
MAL I
WGA
PHA-E
MAL II
GS-II (EY Lab)
PSA
PHA-L
#8 Lewis B (T218) (Abcam)
ME5(detected with a-HUD)
Native HPA
LSL-158
VLRB (a-HUD)
ME7(detected with a-HUD)
LBL-1
UEA
VVL
PTA-Gal
WGA
Ani Spec
Ani Spec
UEA
CNA
ABA
Human Galectin1
Mouse Galectin1
AIA
Man
AOL (Mahal Lab)
CTB
GAL8
IPS-K-4A298
mouse Gal7
Avarelin
ACA
human Gal7
GNL
GSL-2
SBA
ANA
PNA
PAA
P11
PhoSPLo01
VFA
Pal-3
EEA(EY Lab)
PNA
MPL
MGL
WFA
BPL
CA19-9 Ab (PRSG)
Epa1-Np mutant-E227A
Mouse Galectin
MGL 6A1P2B1
pHA-L
HML-Native
Epa1-Np mutant-E227A
CA19.9-121SLE
TEL
rNV VLP-EV3
WT Galectin-8
CA19.9-9-SBA
GSL-1-B4
#14 Sialyl Lewis X (Calbio)
DC-ASGPR-9B01
Epa1-Np mutant-E227A
MAAH
Mouse NKRP1C
COL1
AFCNYL
hJAA-F11-B11
CA19.9-18B34
HEA
Epa1-Np WT
DSL
Epa1-Np mutant-E227A
VGA(EY Lab)
GAC78
MAA
Galectin-1
TL(EY Lab)
LEL
CC1G-1B12
Mono1-CNI
Mono2W-PSA
VVHA lectin
CSA(EY Lab)
MNA-LA
WGA multimer
KNA
SGA
TJA-I
Mono2R-CNI
GNA(Sigma)
SSL1-488
BTL naive
WGA(Seikagaku Bio)
Bar
AIL
HA70 complex(Alexa)
HHA
WT-XCL1
VCA
QSA
STL
PSL
TJA
UDA
RCA I (Vector)
CGA
SNA

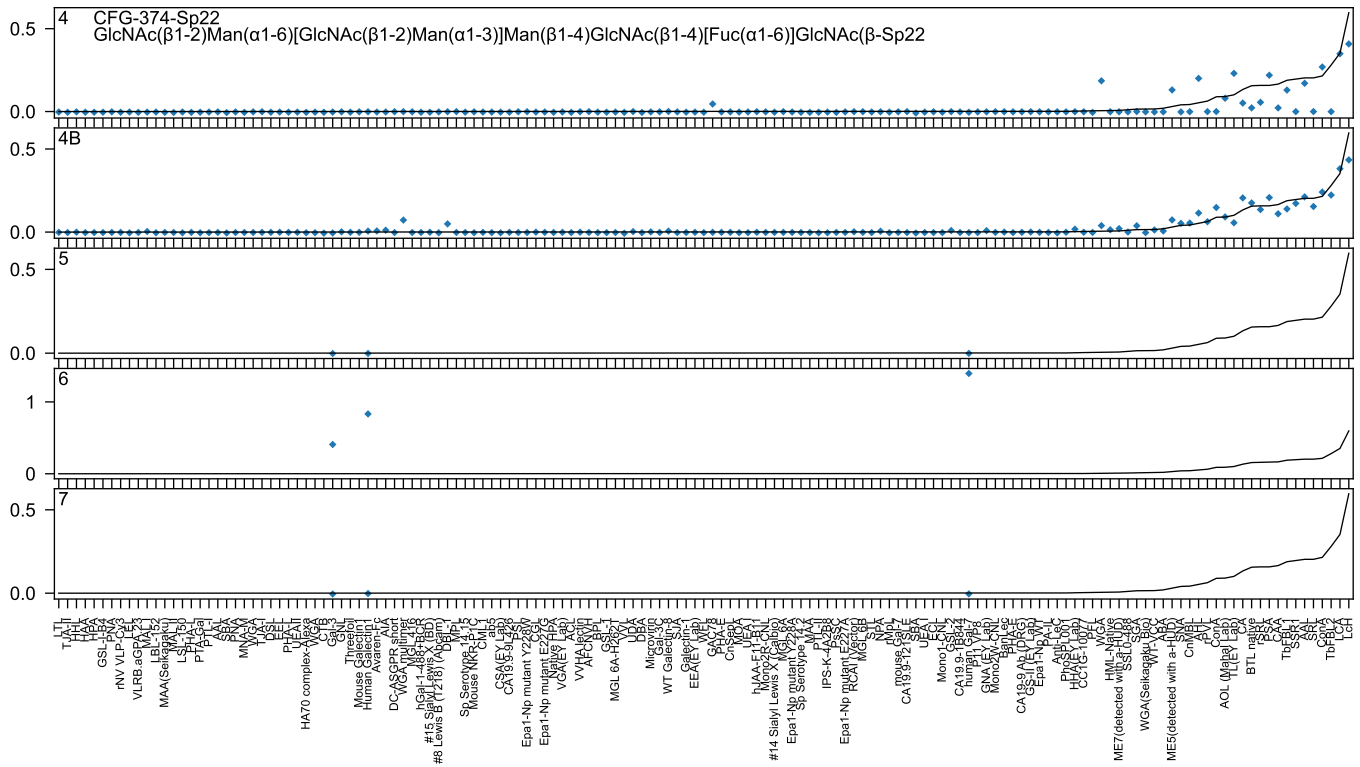

4
CFG-369-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
MGL 6A-Hooper
WGA-Kaku multimer
HA70 complex-Alexa
DC-SIGN-10077
RNA
Native HPA
Sp Serotype 14
PA-13
WFL
UEAII
UDA
TJA-I
VLRBaGPA23
Galectin-1
PTL-I
P (Gala)
human Gal-7
IPS-KK2B8
HN-Native
WFA
MOA
MVGA
VGA(EY Lab)
UEA
SBA
Avarex
PNA
#8 Lewis B (7218) (Abram)
EEA(EY Lab)
GS-II (EY Lab)
#15 Sialyl Lewis X (BD)
ABS
#14 Sialyl Lewis X (Calbio)
CnSepL
ME7(detected with a-HUD)
MPA
DBA
VIA
SNL
GNA
WGA
PHA-E
PHA-L
Epa1-Np mutant E227G
CCA
Gal-3C
Gal-3
P11
Mono2R-CNL
ACL
AAL
Mouse Galectin-8
DSL
MAA(Seikagaku)
CAA(MBL)
UEA1
MAA
Epa1-Np WT
HHL
NPA
EEA
Threonin
HPA
Human Galectin-1
CNL1
PhoS-2228A
Epa1-Np mutant E227A
CSA(EY Lab)
AOL (MaBi Lab)
LCA
Mouse NKR-P1C
TKA-PC
CA19.9-19934
PFL
Epa1-Np mutant T227Y
MGL-416
SBA
SRA
CA19.9-1215
TSLL
WT Galectin-8
SSL1
SSL7
PSSS
hGal-1-488
APCRVGA
SCL
Sp Serotype 1
PTL-1
XVHA-9811
hJAC-188
MGL-188
ABL-182
CA19.9-9-1426
mouse GS-CBA4
Bam-lec
Mono1-CNL
LSL-139
PHA-L
CA19-9 Ab (DRG)
GNA
Epa1-Np mutant Y227A
DBL-1
HHV-E p-Lec
B TL native
WGA(Seikagaku)
Mucorpin
SSL(D)4B8
Mono2W-CNL
BSL
HUL
ME5(detected with a-HUD)
RCA (Vector)
SNA

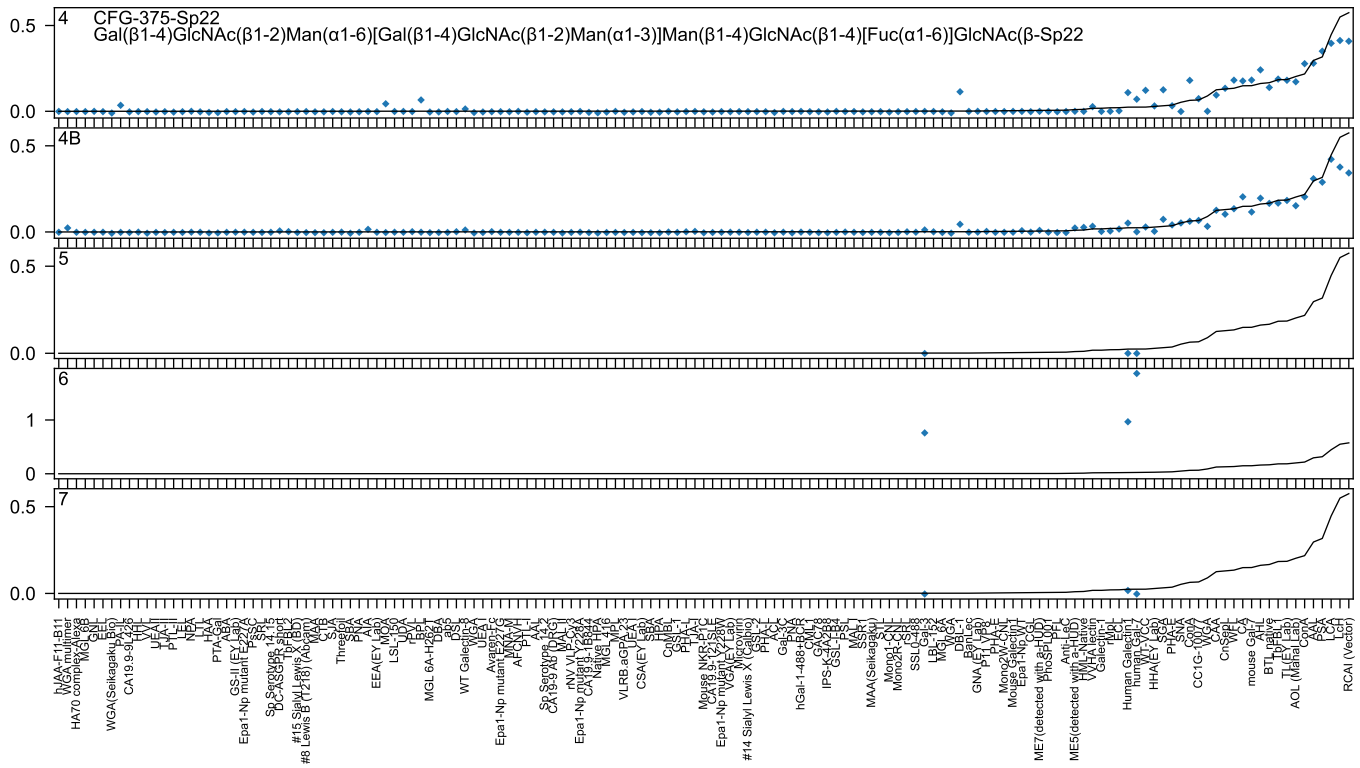

4
CFG-370-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
WT Galectin-8
CA19.9-18844
CA19.9-18844
human Galectin-7
HA70 complex
Epa1-Np mutant p2404
Epa1-Np mutant E2271
IPSK-4A288
AOL (Marker 1)
DC-ASGPR short
hGal-1-488-bCR
#8 Lewis B (Abcam)
MEZ(detected with a-HUD)
MEb(detected with a-HUD)
VGA(EY Lab)
EEA(EY Lab)
Human Galectin-1
Mouse Galectin-1
Epa1-Np mutant EY2415
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant p11V28
Epa1-Np mutant EY2415
#15 Sialyl Lewis X (BD)
hJAA-F11
WGA(Seikagaku Biochem)
RCA I (Vector)
WGA multimer
SNA
LEL

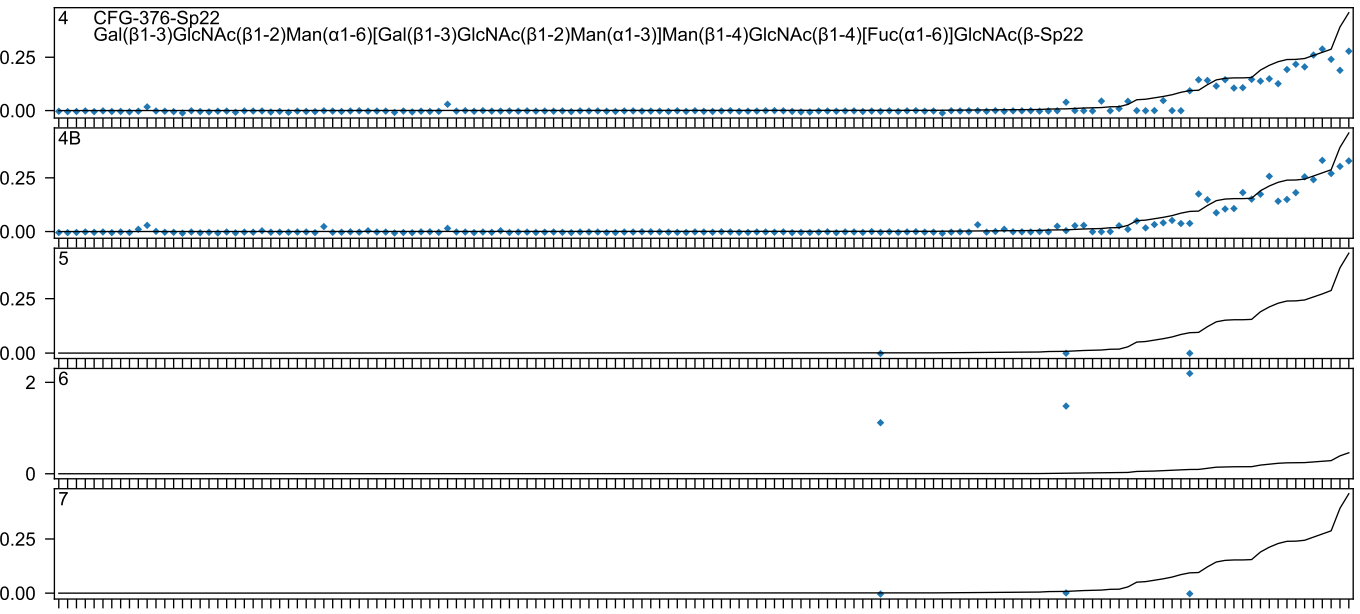

4
CFG-371-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-3)Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
BA
Mono2W-CN
LNL
ABA
CA19-9-L429
GSL-I
DBL-1
MGL-6B
ABL
MAH
MAA
Native UVA
MAL
MAL II
PSL
PHA-L
PHA-E
DSA
PJA
EEA(EY Lab)
PNA
PHA-L
GSL-I
PhoSpC-G00A
PhoSpC-D00A
DC-ASGPR short
MGL-2
MBP
#15 Sialyl Lewis X (IgG)
Threpsin
ME5(detected with a-HUD)
AIA
UEA
Mono2R-CN
PCL
SBA
ENA
GNA
VGA(EY Lab)
Epa1-Np mutant Y298A
SVA
VLRB.aGP
PNA
MGL 6A-H2021
CA19.9 Ab (R&D)
CA19.9-Np mutant E89Q
Epa1-Np mutant E89Q
PSA
rat
rabbit
MAA(Seikagaku)
CNA
MGL 6A
Microsurin
BPL
HML-Nanovue
TJA
AAL
Sp Serotype_14-12
Epa1-Np mutant Y298W
PHL
PSA
GSA(EY Lab)
WT Galectin-8
Sp Serotype 14-2
HPA
#8 Lewis B (T218) (Abnova)
HA0 complex-Alexa
CSA (EY Lab)
SNA
MPL
iPSC-LAC188
MGL
GGL
WT-Galectin-8
hGal-1-488+BCR
BanLec
Anti-LeC
GAC18
CAA
#14 Sialyl Lewis X (IgG)
ToBEL2
LCA
LCA-1
AFCGA-3
Epa1-Np mutant E227G
SSDC-188
MAA
AAL
MNA
AOL (Matrix Lab)
pH1 VP8
SRL
Mouse NKR-P1C
PHA-E
Mouse Galectin-1
ME7(detected with a-HUD)
Epa1-Np WT
DSA
rNY VLP-Cy3
BTL mouse
NVA
MPL
Galectin-1
human Gal-7
Human Galectin-1
UDA
VVHA lectin
mouse
WGA
CC1G-1
GNA
HHA(EY Lab)
GNA (EY Lab)
WFL
WGA(Seikagaku)
Sp
LEL
WGA (Wellmer)
RCA
WGA

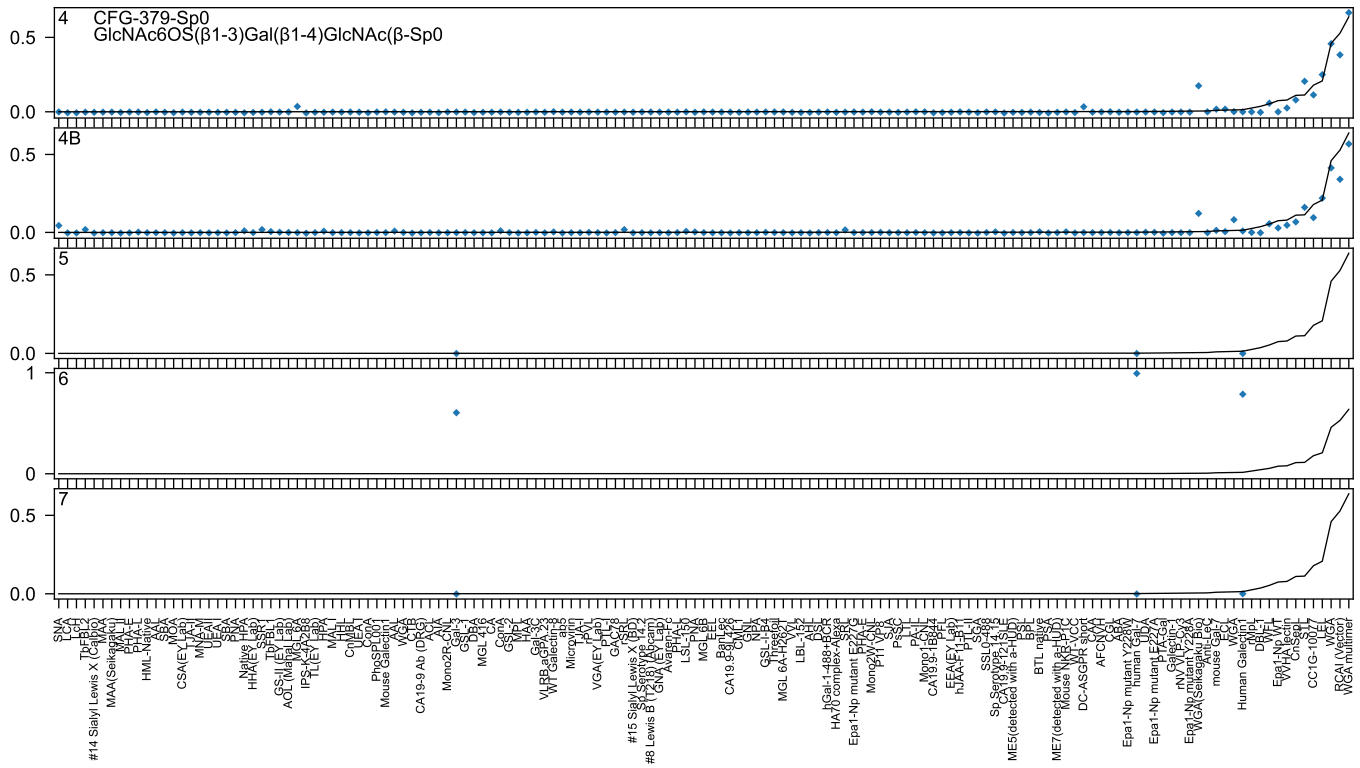

4
CFG-372-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.25
0.00
1
0
MGL 6A-H2627
ASA
AOL (Matrix Lab)
CA19.9
Gal-3
PNA
FVIL
WGA multiple complex Alexa
HA70 complex Alexa
WGC-SA
Mono2
Native HPA
UEA-I
LCA
LTA
SBA
PSA
PTL
PTA-Gal
PNA
BPL
EEA(EY Lab)
GNA(EY Lab)
CTB
PhoSPLD1
CA19-9 Ab (PRG)
CA19-9 Ab (Sc)
DC-ASGPR-Fc
#15 Sialyl Lewis X (Lab)
#8 Lewis B (V-Labs)
MGL 476
#18 Lewis Y (V-Labs)
ACONA
VLRB.aGFP
AAL
MOA
MNA
WGA
UEA
SNA
SBA
PHA-L
PHA-E
hJAA-F
PHA-E
MAA(Seikagaku)
CNL
Man-1
P11
VFS
Mono2R-CNL
ORA
ACL
Thrombin
Gal-3C
VCTB
MPL
UEA-I
Mouse NKR-Fc
PDC
CA
CSA(EY Lab)
LEL
MGL
PNA
Banlec
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Microvigin
WT Galectin-8
NPA
Epa1-Np mutant E227A
SSL2(G188)
Avegrin-Fc
PHA-L
PSL
IPS-KA288
LBL-I
GSL-1
Sp Serotype 1
DSBL-2
GAC-18
Sp Serotype 2
Mono1-CNL
SNA
CA19.9-PL426
hGal-1-H6
hGal-1-H6+BCB
CA19.9-12-15-E
abs
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant E227G
LSL-1
DSL
WGA(Seikagaku)
VGA(EY Lab)
CoCA
UDA
GSL-I(EY Lab)
TJA-I
ABL
SSL
WT-VGCX
CoCA
Epa1-Np WT
rNV VLP-Cy3
Man
Mouse Galectin-1
BTL native
SNA
Galectin-1
human Gal-1
ME7(detected with a-HUD)
Human Galectin-1
PHA-E
PHA-L
CC1G-10077
TWWA
Gal-1
ME5(detected with EY Lab)
Ch5GB
RCA (Vector)

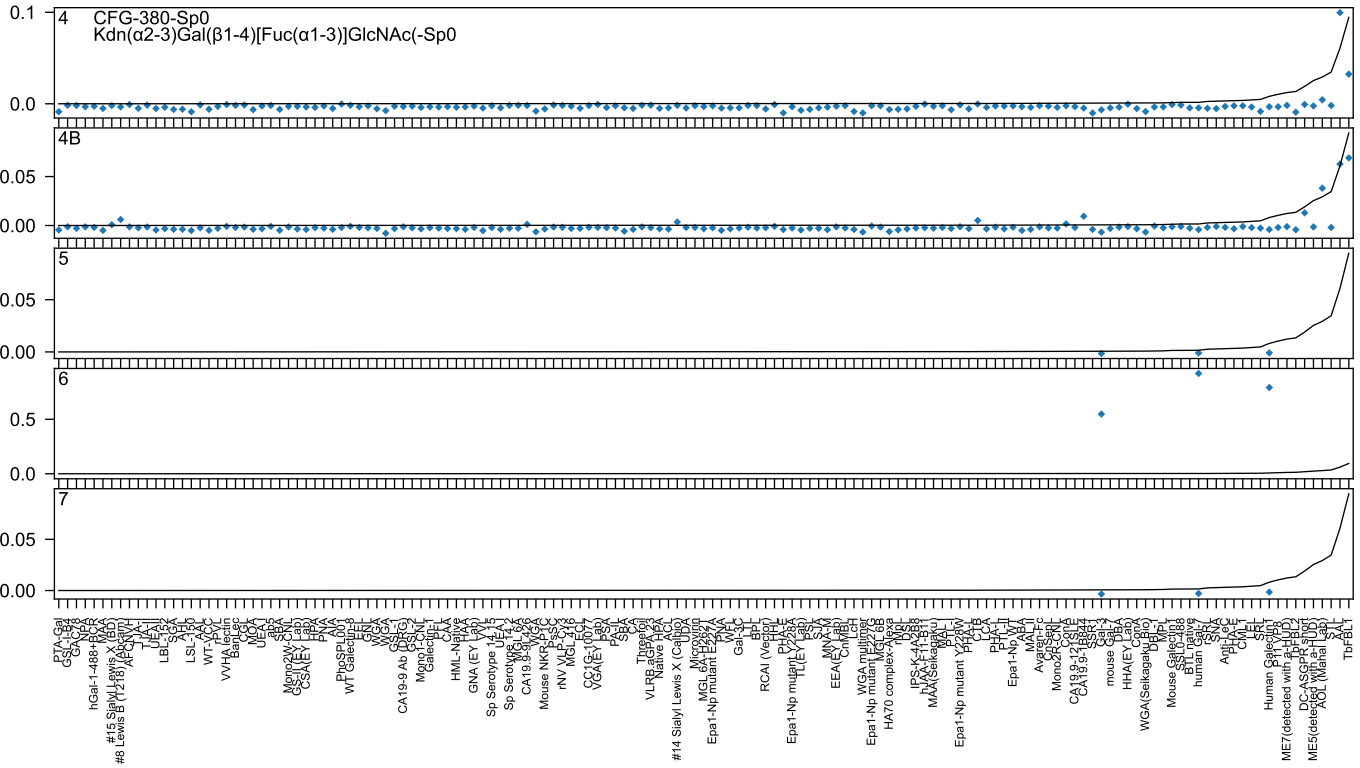

4
CFG-373-Sp12
Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
MGL 416
Sp Serotype 14 15
Sp Serotype 14 2
MALL
MAL-I
PHA-E
PTA-Gal
PTL-I
SVA
UEA-I
PVL
Native HPA
STL-UD
ME5(detected with STL-UD)
Mono2W-CBL
EEA
EEA(EY Lab)
VGA(EY Lab)
PNA
SBA
GSL-I-B4
HPA
LEL
Tim-Fc
DBA
VEA
PSL
ACL
GNL
Mono2F-CNL
PT1-Tg28
Epa1-Np mutant
ACL(KNOW)
IPS-K-4A2B8
MAG
HML-Native
Epa1-Np mutant E221A
Epa1-Np mutant E221G
CMLI
WT Galectin
BGA
HA70 complex-Alexa
GSL-II
Ana-Lac
ACL
rNV VLP-2
rNV VLP-3
MGL 6A-H-2
MGA
Epa1-Np mutant
GAC378
BPL
Epa1-Np mutant G225A
LCA
PhoSPL
Mono1-CNL
SBA
CGA(EY Lab)
VVA
#8 Lewis B (Carbosynth)
ACL (Malaria Lab)
AIA
ABA
LBL
382
CA19.9-PVA
CA19.9-PVA
#14 Sialyl Lewis X (Calbio)
Microtiter
VVA
hGal-1-488+BCB
Mouse NK-CB-1C
CA19.9 Ab (DRG)
CA19.9-Ab (RUDI)
ME7(detected with B-RUDI)
CA19.9-1
TdSLE
CnMBL
CA19.9-BB-14
TbFBL-1
#15 Sialyl Lewis X (BB)
MVAN
PVL
WGA
PSA
DSA
MGL
DBA
MAL-I
SNA
SLO
LCA
hJAA-FITC-B12
Epa1-Np WT
PHA-E
PTA-Gal
CTB
SSL0488
WGA(Seikagaku Bio)
SNA
BTL
Mouse Galectin-9
HHL
TL(EY Lab)
GNL
BanLec
WGA multimer
Galectin-7
human Galectin-1
SGA
DC-ASGPR
STC1
mouse Galectin-1
Human Galectin1
STL
VVHA lab
NPA
CPSPC
CC1G-10077
WGA
CA
LDA
GNA
GNA (EY Lab)
ABA
VEA
HHA(EY Lab)
ConA
ConA
RCAI (Vector)


4
CFG-374-Sp22
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.5
0.0
1
0
LTI
TJA I
HPA
HPA
GSL-I-B4
PNA
nNV VLP-CY3
VLRB.aGPA-FL
MAL I
MAA(Seikagaku)
LEA
MAL II
LTA
SNA
PTA-Gal
PHA-L
AAL
SBA
RCA
MNA-M
UDA
VVA
DSL
PHA-E
PNA
HA70 complex-AlexFl
WGA
Gal-3
GNL
Galectin1
Mouse Galectin1
Human Galectin1
DC-ASGPR short
DC-ASGPR long
hGal-1 short
hGal-1 long
#15 Sialyl Lewis X (BD)
#8 Lewis B (12/18) (Abcam)
Dectin-1
MIP
Sp Serotype 1-13
Mouse KRN-1-13
CMLI
CSA(EY Lab)
CA19.9-1428
Epa1-Np mutant Y228W
Epa1-Np mutant E229G
Native HPA
VGA(EY Lab)
APC
VVH-A(EY Lab)
BP
Gal-7
MGL 6A-HPA
Vicia
DBA
Microvirin
WT Galectin-9
SLA
Galectin-3
EEA(EY Lab)
Galectin-8
WT
GAL
PHA-E
Chitinase A
UEA I
hJAA-F-11
Morpo-R-CNL
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y228A
Sp Serotype 14
MAA
PVL
IPS-K-Pass
Epa1-Np mutant E227A
RCA(EY Lab)
MGL-GB
SPA
AMP
TIM19
CA19.9-92-1-F
SBA
UEA I
ECL
Mono-CNL
CA19.9-18844
human VPA
GNA (EY Lab)
Monoclonal Ab
Bacillus lec
PHA-E
CA19.9 Ab (EY Lab)
GS-I (EY Lab)
Epa1-Np
PAA
Atoh1 Ab
HNF1B (Lab)
CCTG-1007
WGA
HML-Native
ME7(detected with a-HUD)
SSL0486
WGA(Seikagaku)
Bacillus
WT-XCX
ME5(detected with a-HUD)
SNA
CrmA
ABL
CVA
AOL (Malaga Lab)
TL(EY Lab)
LEA
BTL native
PSA
TxLEA
SSA
SSR1
SSL
CGN
ToxB
PNA
LCH

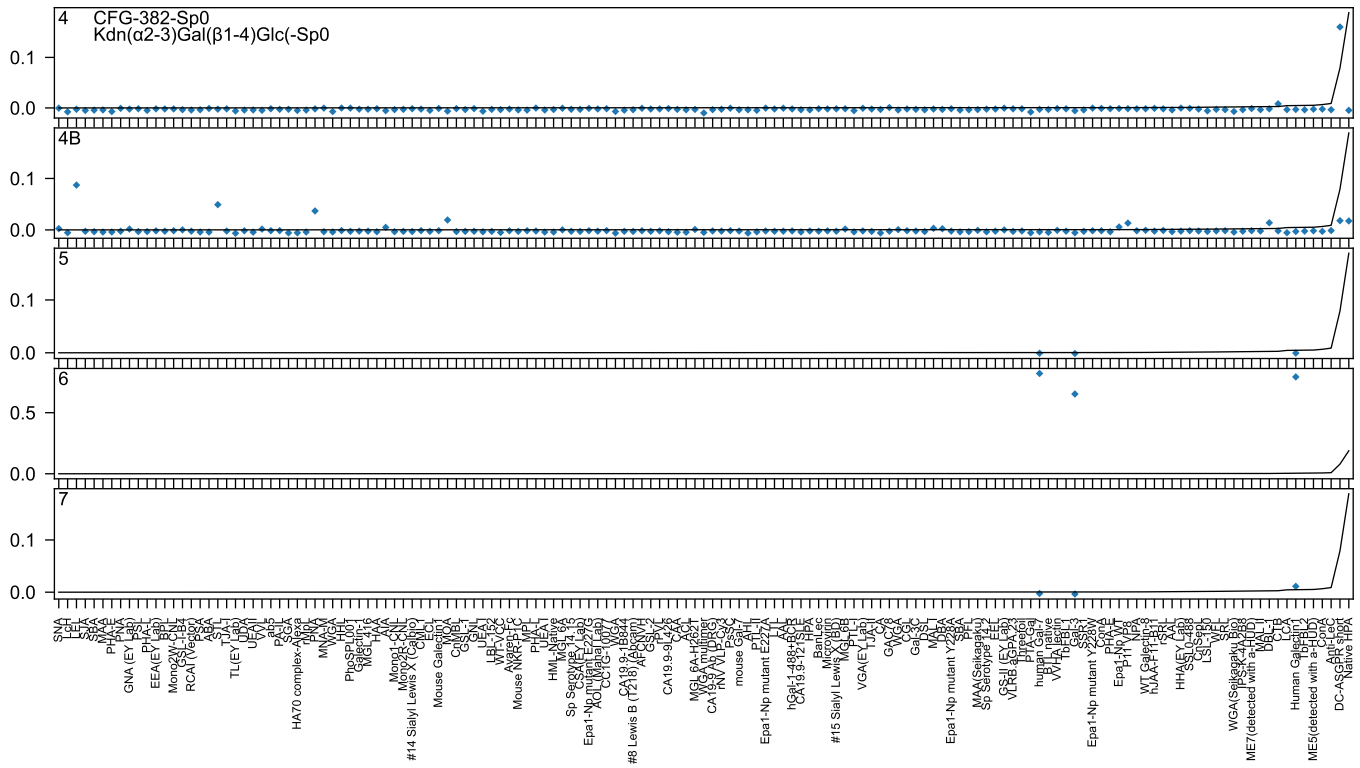

4
CFG-375-Sp22
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.5
0.0
1
0
hMAA-F11-B11
WGA full lectin
HA70 complex-Alexa
MGL
GNA
WGA(Seikagaku)
BEL
CA19.9-9142B
PNA
VVL
UEA-I
LTA
PTL-I
NEA
HPA
PTA-Gal
GS-II (EY Lab)
Epa1-Np mutant E227A
PSA
SBA
Sp Serotype 14-15
DC-SIGN
TJA-II
#15 Sialyl Lewis X (BD)
#8 Lewis B (72-19) (Abcam)
MAA
SJA
STA
Threefoil
PHA-L
PHA-E
AIA
EEA(EY Lab)
MOA
LSL-LDA
PWM
rPVL
MGL 6A-H282T
DBA
RCA
OSA
WT Galectin-3
UEA-I
Avenin
Epa1-Np mutant E227G
MAA-M
APA
PTL-I
AAL
Sp Serotype 14-15
CA19.9 Ab (ORG)
rNV VP8-3
Epa1-Np mutant Y284A
Epa1-Np mutant Y284F
CAA
Native HPA
MGL 4A6
VLRB.aGPC.23
CSA(EY Lab)
SBA
SBA
CoTN
GSL-I
PTA-I
TJA-I
Mouse NK3.3-E
Epa1-Np mutant Y284W
Epa1-Np mutant Y284W
VGM (Yet Lab)
#14 Sialyl Lewis X (Calbio)
PHA-E
ACL
ACL
Gal-1
PNA
hGal-1-488 (ORG)
MGL
GAC78
IPS-K-CEB3
GSL-CEB3
PSL
NSR
MAA(Seikagaku)
Mono1-CNE
Mono2R-CSR
SSL-L488
LBL-162
MGL
OAA
DBL-1
Epa1-Np
GNA (EY Lab)
PTL-I
VVB
Mono2W-CNE
Mouse Galectin1
Epa1-Np
CGL
ME7(detected with anti-HUD)
Proteoglycan
BPL
ME5(detected with anti-HUD)
HML-Native
VVA
Galectin-1
RIP
Human Galectin1
human Gal-7
HHA(EY Lab)
PTA
PHA-E
SNA
CC1G-10002
VCA
CnSepl
VCA
mouse Gal-7
BTL native
TJA-II
AOL (Mahal Lab)
CVN
PSA
PSA
LCH
RCAI (Vector)

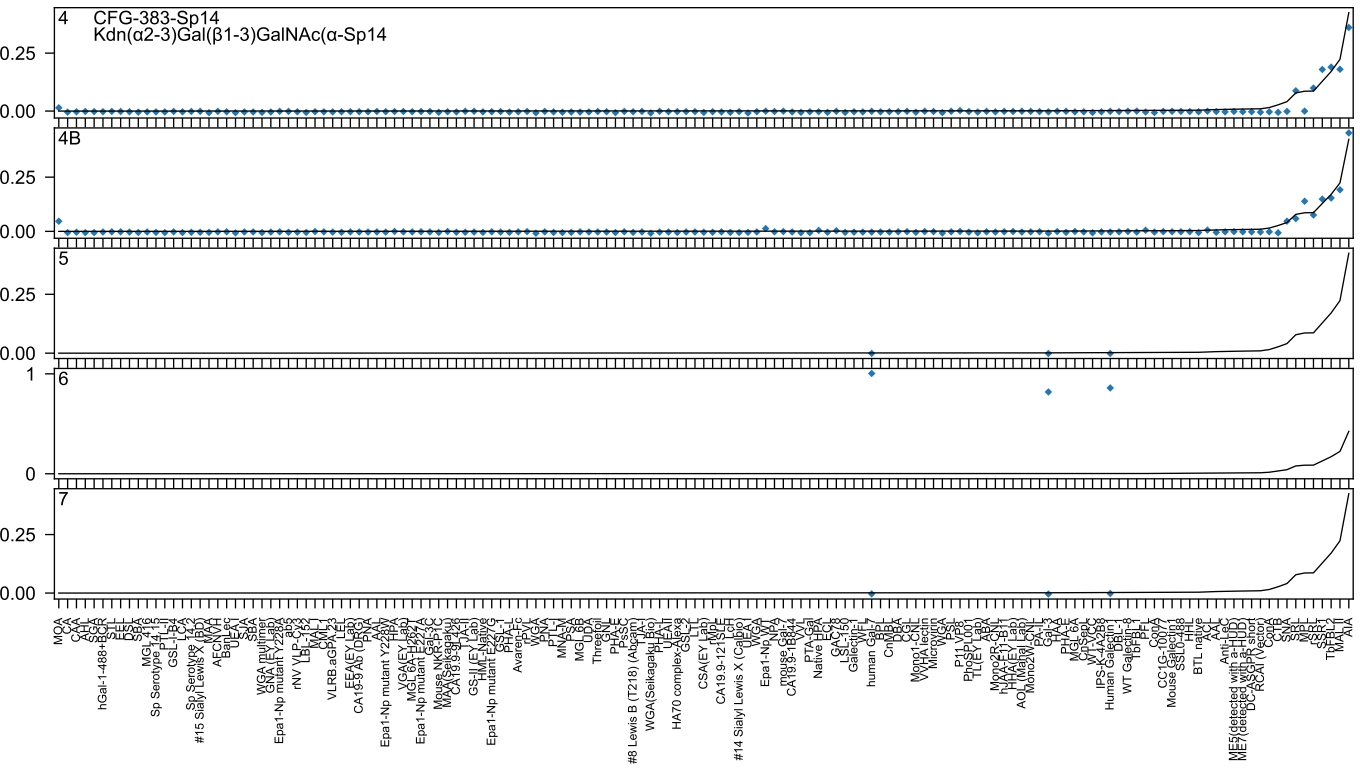

4
CFG-376-Sp22
Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.25
0.00
2
0
LBL-162
PA
CSA(EY Lab)
VCA
VLRB
SSL2-488
LTA
LTI
PNA
WGA
PHA-L
PWM
PVL
UEA-I
SBA
UDA
VVL
Native PHA
GSL-I (EY Lab)
nNV VLP
EEL
WGA multimer
Sp Serotype 14
UEA-I
CA19-9 Ab
PSGL
CTB
#15 Sialyl Lewis X (6D)
MGL-418
hGal-1-Fc
BP1-CP6
GSL-I
ABA
WGA
#8 Lewis B (T218) (Abcam)
EEA(EY Lab)
EEA(EY Gal)
CA19-9-121SLE
WT Galectin-3
IPS-K-4-238
AC-NNV1
MGAL
#14 Sialyl Lewis X (Calbio)
MGL-68
MGL-1
Sp Serotype 14-2
SBA
Sp Serotype 14
Epa1-Np mutant E229G
Epa1-Np mutant E229G
Mouse NKT-1-FR
VGA(EY Lab)
AAL
HPA (EY Lab)
EPL
CSLT
PNA
TJA-I
HA70 complex-Alexa
PWM
MAA(Seikagaku)
PHL
MAL-I
MAL-II
MAL-II-FITC
CA19-9-L126
MNA
GNA
Epa1-Np mutant E229A
HAA
UEA-I
SSA
SSR1
Mouse(WT)
Mono2W-Gal
CA19-9-16844
DC-ASGPR
sialyl
GNA (EY Lab)
Mouse-Gal
NPA
Mono2R-CNE
TIP-CNE
WGA(Seikagaku)
PSL
SSB
DBL1
Epa1-Np mutant
MNA-M
Avg-225-Fc
Bam Lec
Galectin-1
Mouse Galectin-1
CEL
HHA(EY Lab)
Human Galectin
MET(detected with a-HUD)
Anti-Lec
Epa1-Np (WT)
MET5(detected with a-HUD)
BP2
CC1G-1N17
VVHA lectin
CNA
OnMBL
WT-CCC
human Lec
LecH
CNA
AOL (Matsu)
WFL
Cnl
SeaA
BTL native
RCA I (vector)
TL(EY Lab)
AAL
mouse Gal-9
Gal-9
PCA
ABL
LCA

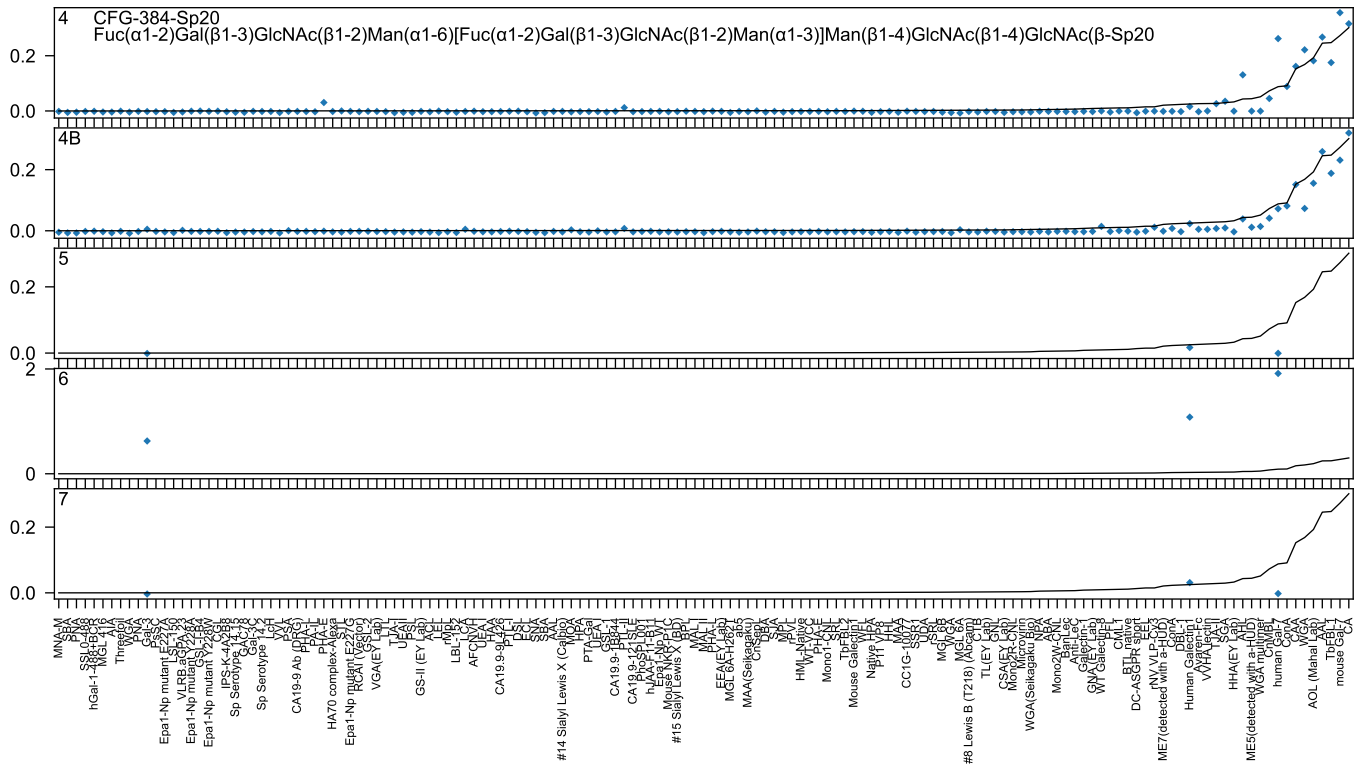

4
CFG-379-Sp0
GlcNAc6OS(β1-3)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
PCP
Thy-PCP
#14 Sialyl Lewis X (Carbo)
MAA
MAA(Seikagaku)
MAL-II
PHA-E
HML-Native
SBA
NOA
CSA(EY Lab)
MNA-M
MNA-M
UEA-I
PSA
PHA-L
Native
HPA
HHA(E. Ssp)
SSA(S)
Tdy-BL1
GS-II
AOL (Marbal Lab)
IPS-KY-Cz86
TL(EY Lab)
MAL
MAL-II
CrA
UEA-I
PhoSPOOA
Mouse Galectin1
VGA
CTB
CA19-9 Ab (D)
ACL
Mono2R_CAL
Gal-3
Gal-1
DBA
MGL 416
ConA
GSL-I
GSL-I
HAA
Gal-3C
VLRB.aCD
Galectin-8
WT Galectin-8
alb
Microtytin
TJA-I
TJA-II
VGA(EY Lab)
PCL
GNA
VSB
#15 Sialyl Lewis x (BD)
#8 Lewis B (Carbo)
#8 Lewis B (Carbo)
GNA (Vector Lab)
BPL
LSL
PNA
MGL
EEL
BanLec
CA19-9
CMG1
CMG1
GNL
GSL-I-B4
MGL 64-Hybrid
Con A
LBL
ABL
DSL
hGal-1-488
HA70 (complex-Alexa
Epa1-Np mutant E227A
SSA
BPL
Mono2R_VAL
PHA-L
SVA
PSL
PAL
Mono2R_LEU
CA19-9 Ab
CA19-9 IgM
EEA(EY Lab)
hJAA-F11-B11
PTL
SCA
SSL0-488
So-Sarcolectin
CA19-9 Ab
ME5(detected with a-HUD)
BPL
BTL native
ME7(detected with a-HUD)
Mouse NK-YCC
DC-ASGPR spot
AFCN
Epa1-Np mutant Y228W
human Gal-7
Epa1-Np mutant E227A
Galectin-1
mNV VLP-GX3
Epa1-Np mutant Y228W
WGA(Seikagaku Biol)
Anti-Gal-7
mouse Gal-7
ECL
Human Galectin-1
PNA
DBA
WFL
Epa1-Np WT
VVA
ChSeq1
CC1G-1017
VICE
RCA I (Vector)
WGA multimer

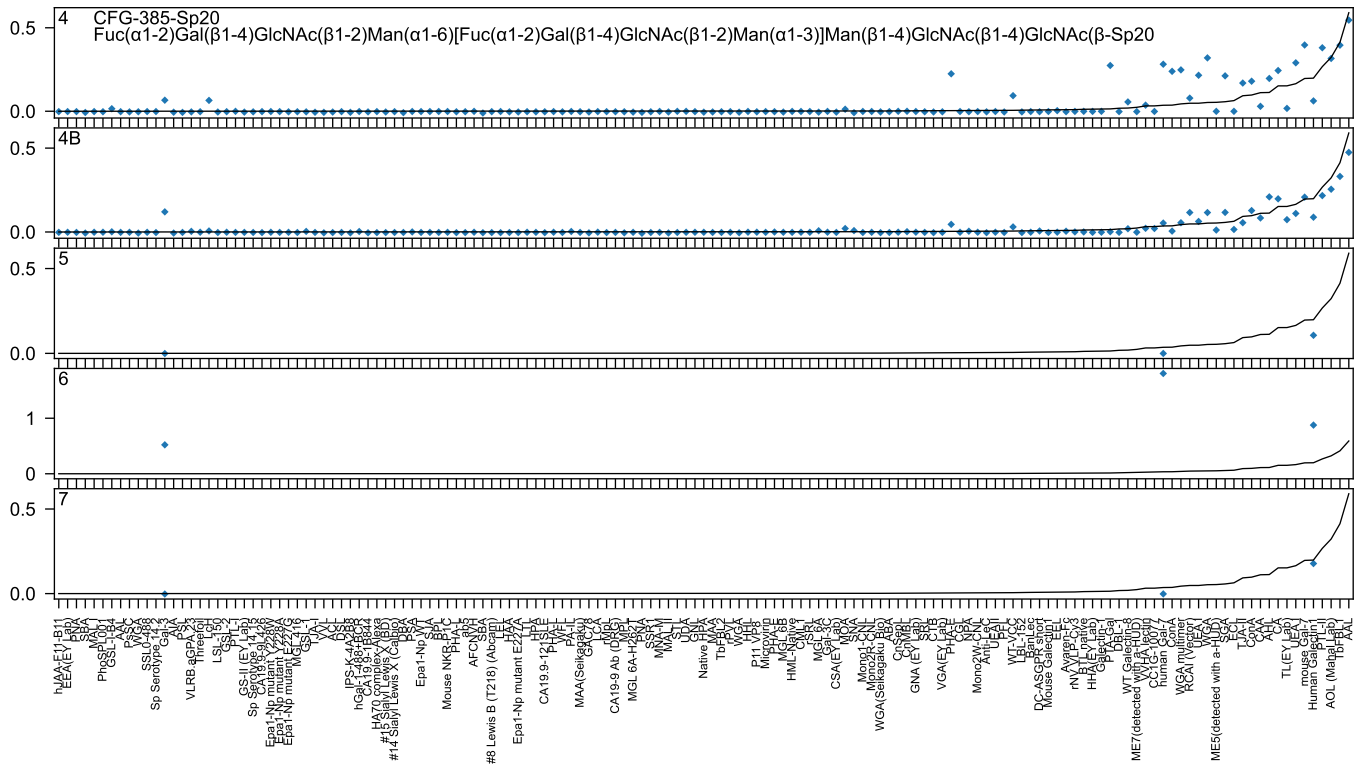

4
CFG-380-Sp0
Kdn(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(-Sp0
4B
5
6
7
0.1
0.0
0.05
0.00
0.5
PTA-Gal
GSL-I-B4
GAL8
GAL3
hGal-1-488+PGB
#15 Sialyl Lewis X (Abcam)
#8 Lewis B (Y218) (Abcam)
AFCVH
CVN
TJA-I
LBL-I-B4
SNA
SGA
LSL-I-50
WT-APC
PVV
VVHA-Recm
Banlec
GSL
UEA-I
abo
ABA
Mono2W-CNR
CSA(EY Lab)
CSA(EY Lab)
HPA
PNA
ANA
PhoSL001
wT Galectin-1
GSL
WGA
CA19-9 Ab (BRG)
GSL-I
Mono-Fc
Galectin-1
PSA
OAA
HML-Native
GNA (EY Lab)
VVL
Sp Serotype 1 (EY Lab)
Sp Serotype 14-2
CA19.9-IgG-488
Mouse NKR-P1
rNV VP1
MGL-218
CC1G-1-100
VGA(EY Lab)
PSA
SBA
PSA
Threefold
VLRB.aGPA-293
Native ABO
#14 Sialyl Lewis X (Calbio)
Microvirin
MGL-6A
Epa1-Np mutant E227A
PNA
Galectin-1
BJ
RCAI (Vector)
PHA-E
Epa1-Np mutant Y228A
TL(EY Lab)
SJA
EEA(EY Lab)
MNA(EY Lab)
CnMBL
WGA multimer
Epa1-Np mutant K227Q
HA70 complex-Alexa
NSL
IPS-K-41-2888
MAA(Seikagaku)
MAA(Seikagaku)
MAL-I
Epa1-Np mutant Y228W
PCTB
LCA
PHA-L
PHA-E
Epa1-Np WT
MAL-II
Avaren-Fc
Mono2R-CNR
CA19.9-12 (SIHE)
CA19.9-18B44
Sal-3
mouse Galectin-1
Sal-7
HHA(EY Lab)
WGA(Seikagaku)
LPA
DBA
Mouse Galectin-1
BSL-I-488
BSL-I-488
human Galectin-7
SNA
Anti-Leo
CVNH
CVNLT
SEL
Human Galectin-1
ME7(detected with P1-10F8)
TbPBL2
ME5(detected with P1-10F8)
DC-ASGPR
AOL (Mahal Lab)
XAL
TbPBL1

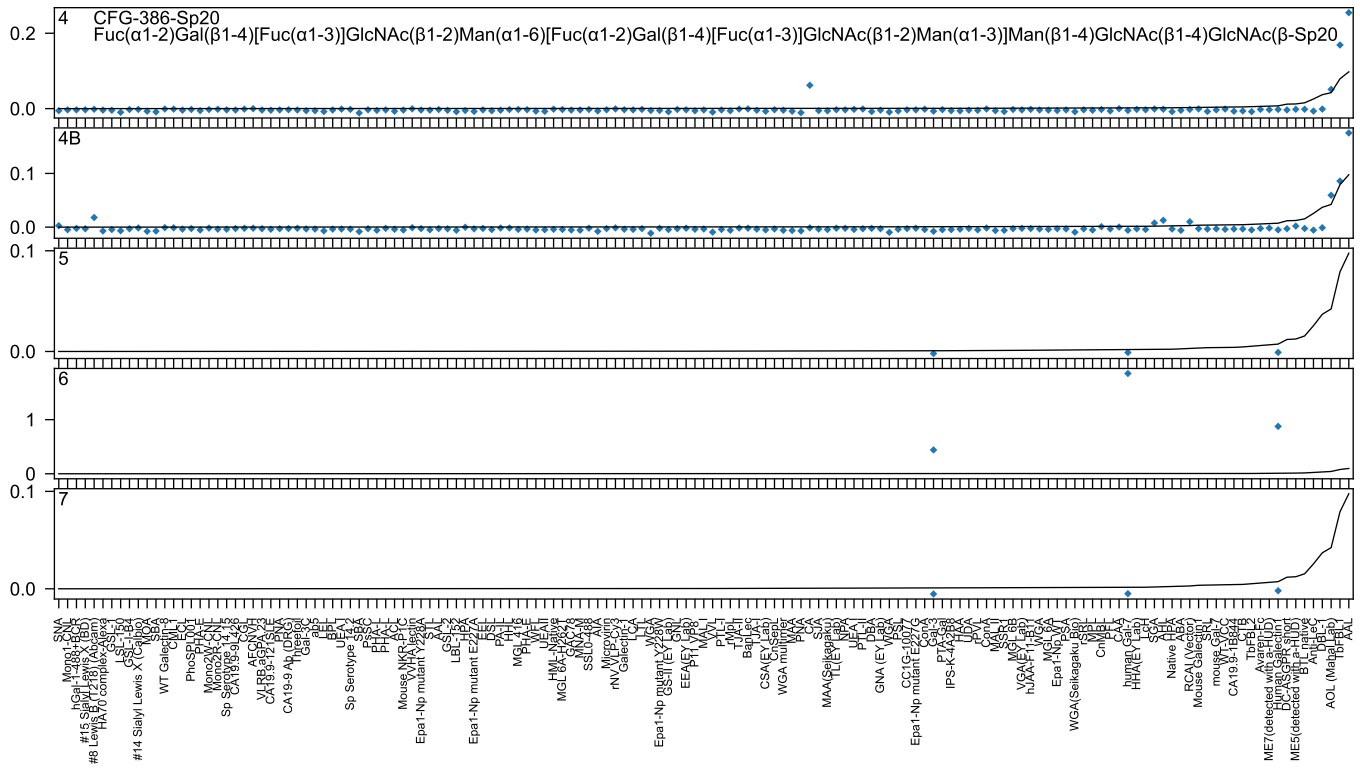
4
CFG-381-Sp0
Kdn(α2-6)Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
MGL 6A-H(227)
#15 Sialyl Lewis X (BD)
TL(EY Lab)
MGL-1
SBA
PNA
Sp Serotype 14-2
HHA
PTA(EY Lab)
RSL
Galectin-1
Native SEA
AIL
Tbp-B
EEA(EY Lab)
GS-II(EY Lab)
LCA
UEA1
WGA
MAA(Seikagaku Bio)
CA19.9-18834
CA19.9-1116
HPA
AAL
HA70 complex
VLRB aggr
MOR
PSSC
CA19-9 Ab (DRG)
GSL-2
GNL
ALA
DSL
CTB
WGA
Mouse Galectin-1
EGL
CSA(EY Lab)
GSL-I-B4
LCA
Con A
Epa1-Np mutant Y228A
Bam sec
Agrevitec
#8 Lewis B (T218) (Abcam)
SSA
Sp Serotype 14-15
PROSPECTA
LSL-150
CML-1
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
LIT
FAA
Mouse NKR-P1C
ME5(detected with α-Gal-3C)
HML-Native
ATL-Native
VGA(EY Lab)
WT Galectin-9
MPA
PHA-L
#14 Sialyl Lewis M (Calbiochem)
hGal-1-498-BGS
mouse Gal-7
CA19-9-12SLLE
Mono1-CNL
ME7(detected with α-HUD)
Mono2R-DBA
hAAE11-B11
AOL (Maha Lab)
CA19.9-9-428
Mono2W-ENN
PHL
Threelectin
Epa1-Np mutant Y228V
MGL-6A
MGL-6B
CnaBP
human Galectin-4
APCNVH
Epa1-Np mutant Y228W
HHL
CBP
GAC-28
LTA
VVHA lectin
NPA
UEA1
MAL
MAL-I
WFL
Gal-3
GNA (EY Lab)
WGA multimer
PTA-T
CNV-LP-CNA
CC1G-CNA
MAL-II
SSL0-488
WGA(Seikagaku Bio)
Human Galectin-1
DC-ASGPR-Biotin
RCA(Vector)
SNA

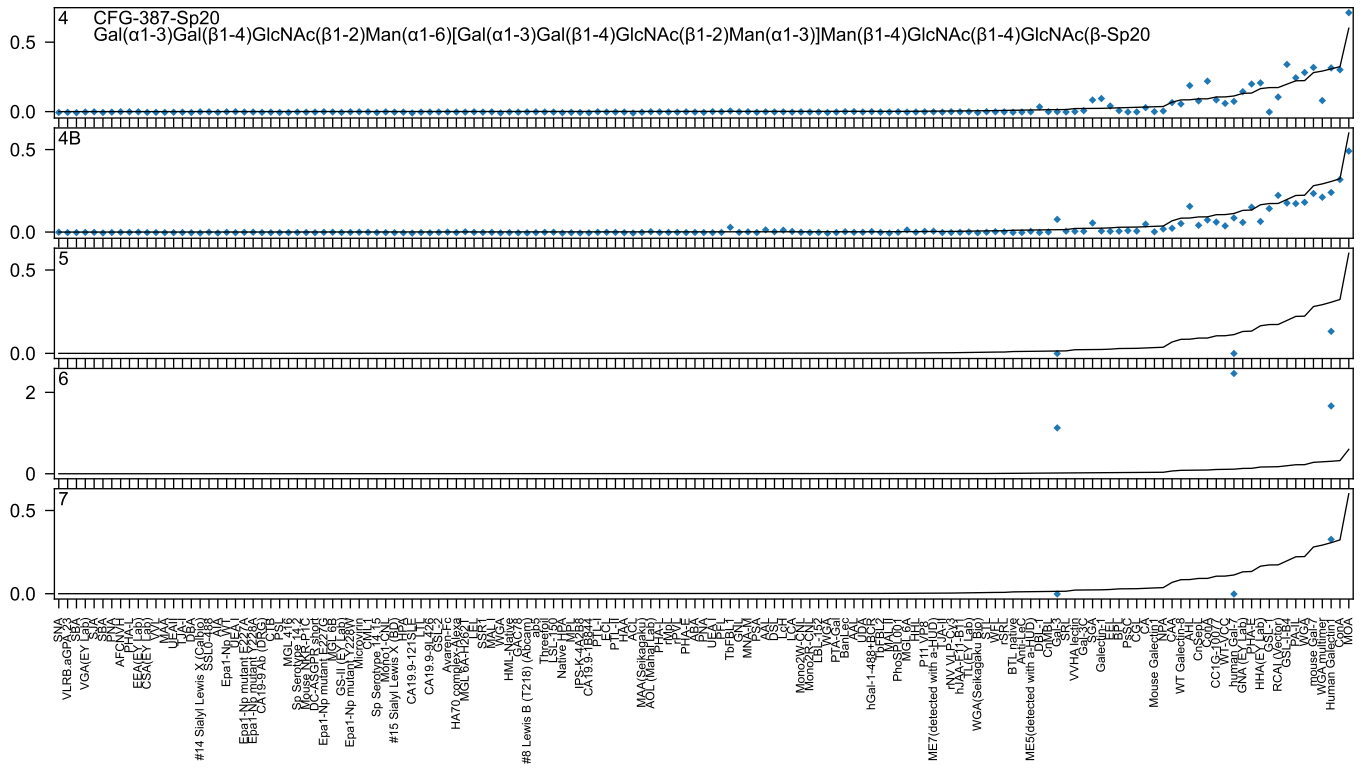

4
CFG-382-Sp0
Kdn(α2-3)Gal(β1-4)Glc(-Sp0
4B
5
6
7
0.1
0.0
0.5
SNA
SNA
LEL
SSA
MAA
PNA
PHA-L
PHA-E
GNA (EY Lab)
PHA-L
EEA(EY Lab)
Mono2W-CNL
RCA(Vector)
ABA
STL
TL(EY Lab)
UDA
UEA
VVL
ACL
BS
PSA
SGA
HA70 complex-Alexa
APA
PNA
MVA
WGA
PhoSP-hpt
Galectin-1
MGL-416
AIA
Mono3-CNL
Mono1-CNL
#14 Sialyl Lewis X(Calbio)
CEL
Mouse Galectin1
CaMBL
GSL-I
UEA
LFA
WFA-VCC
Mouse NKR-P1 Fc
AVAEP Fc
MPL
PHA-L
HML-Native
WGA
Sp Serotype 4 Ag
CSA(EY Lab)
Epa1-Np mutant Y
KOI(Malaria Lab)
CCTG-1007
CA19.9-IgM
#8 Lewis B (T218) Ab
APA(Kawin)
GSL-I
CA19.9-IgG
CAA
MGL 6A-H2621
WGA(Mouse)
CA19.9-IgG
RNV VL
P-Gal
mouse Gal-7
PAT
Epa1-Np mutant E227A
AIL
hGal-1 488+6CB
CA19.9-12-SPA
BanLec
#15 Sialyl Lewis X(Calbio)
MGL-288
VGA(EY Lab)
TJA-I
GAC78
VGA
Gal-3C
MAL
Epa1-Np mutant Y
SSA
MAA(Seikagaku)
Sp Serotype 7 Ag
GSL-II (EY Lab)
VLRB aGPA 23
PHA-Gal
human Galectin
VVL
Lectin
Tomato-Gal-3
Epa1-Np mutant Y
SSA
Epa1-Np
PHA-E
Epa1-Np
WT Galectin-8
hJAX-F11-B11
TJA
HHA(EY Lab)
SGA(EY Lab)
GNA(Seipp)
LSL
WFA
SRL
WGA(Seikagaku)
ABA
ME7(detected with a-PLD)
DBL-1
CTB
Human Galectin1
ME5(detected with a-PLD)
CoA
AIL
DC-ASGPR short
Native HPA

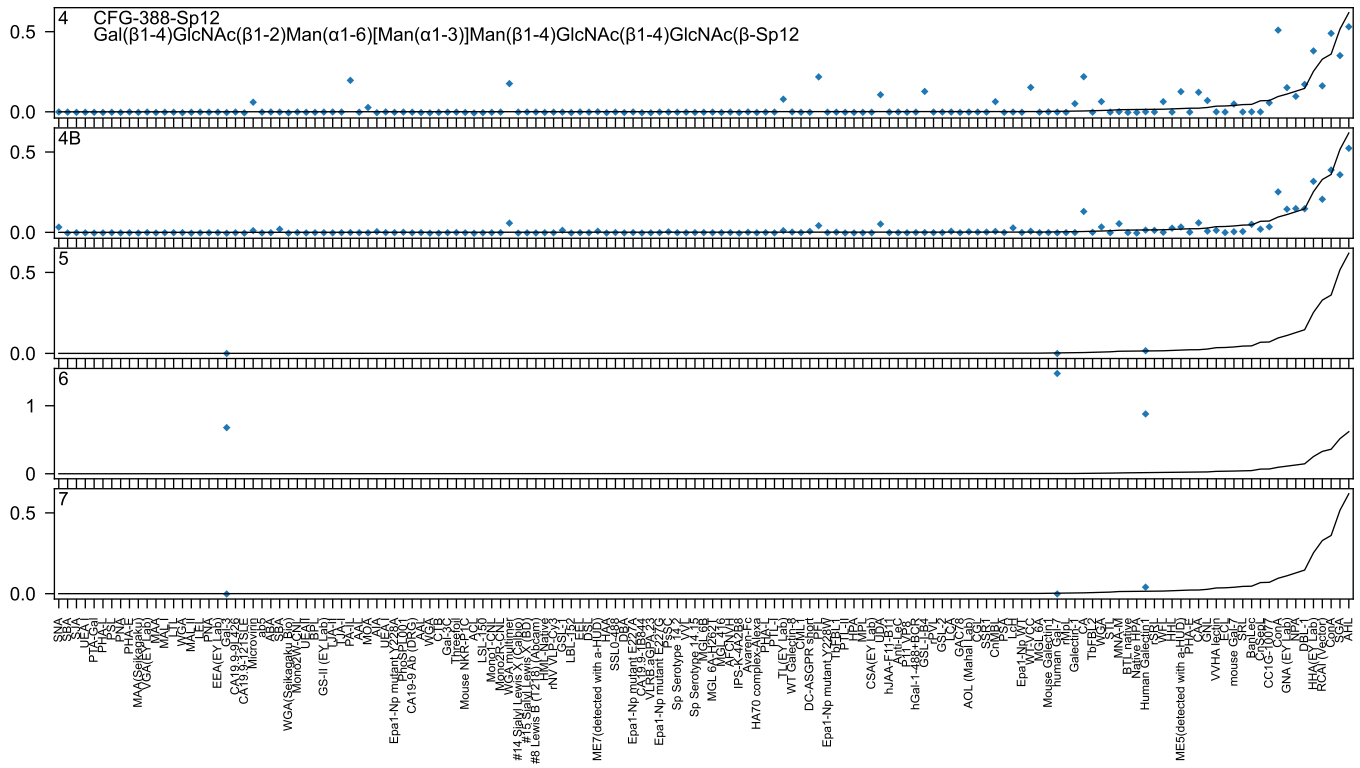

4
CFG-383-Sp14
Kdn(α2-3)Gal(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
1
0
MCA
CAA
SGA
SGA
hGal-1-488+EGR
SEL
EEL
PSA
MGL 416
Sp Serotype P4 LT
GSL I-B4
Sp Serotype 14 (2)
#15 Sialyl Lewis X (BD)
AECNVH
BanLec
UEA
SSA
SNA
WGA multimer
GNA(EY Lab)
Epa1-Np mutant Y228W
abo
nNV VP1-233
LB-233
MAL I
VLRB.aGPC3
LEL
EEA(EY Lab)
CA19-9 Ab (BRO)
PNA
Epa1-Np mutant Y228W
TKA
VGA(EY Lab)
MGL 6A-1427
Epa1-Np mutant Gal-3C
Mouse NKR-P1C
MAA(EY Lab)
CA19-9-1428
GS-II (EY Lab)
HMT-native
Epa1-Np mutant E251Q
PHAE
Average
PVL
VGA
PTL-I
MNA
MGL 6B
Threo10
CGN
PhaL
PsSC
#8 Lewis B (T218) (Abcam)
WGA(Seikagaku Bio)
UEAII
HA70 complex-Alexa
GSL I
LTA
CSA(EY Lab)
CA19.9-121 (BCE)
#14 Sialyl Lewis X (Calbio)
UEA
Epa1-Np WT
Np-9
mouse Np-9
CA19.9-18844
Native UEA
PTA
VVA
SLL-150
GAC28
Galectin WF
WFL
human Gal-7
CnnB
DSA
Mono1-CNL
Vicia villosa
Microvirin
VGA
P11-V28
PhoEY Lab
PNA
ABA
Mono2-PR
MAA(EY Lab)
HAA(EY Lab)
AOL (Mono2-CNL)
Mono2-CNL
GAL-1
HAA
PhoEY Lab
MGL 6A
VnSepL
IPS-K-4A288
Human Galectin 1
D-Tag
WT Galectin-8
Tbf BL
CC1G
CorA
Mouse Galectin 1
SSL0488
BTL native
AXL
Anti-LeC
MEF(detected with a-HUD)
MEF(detected with a-TF)
DC-ASGPR short
RCA(Vector)
CorA
SVTB
SIA
MGL
SSL1
TKA
MAL I
AIA

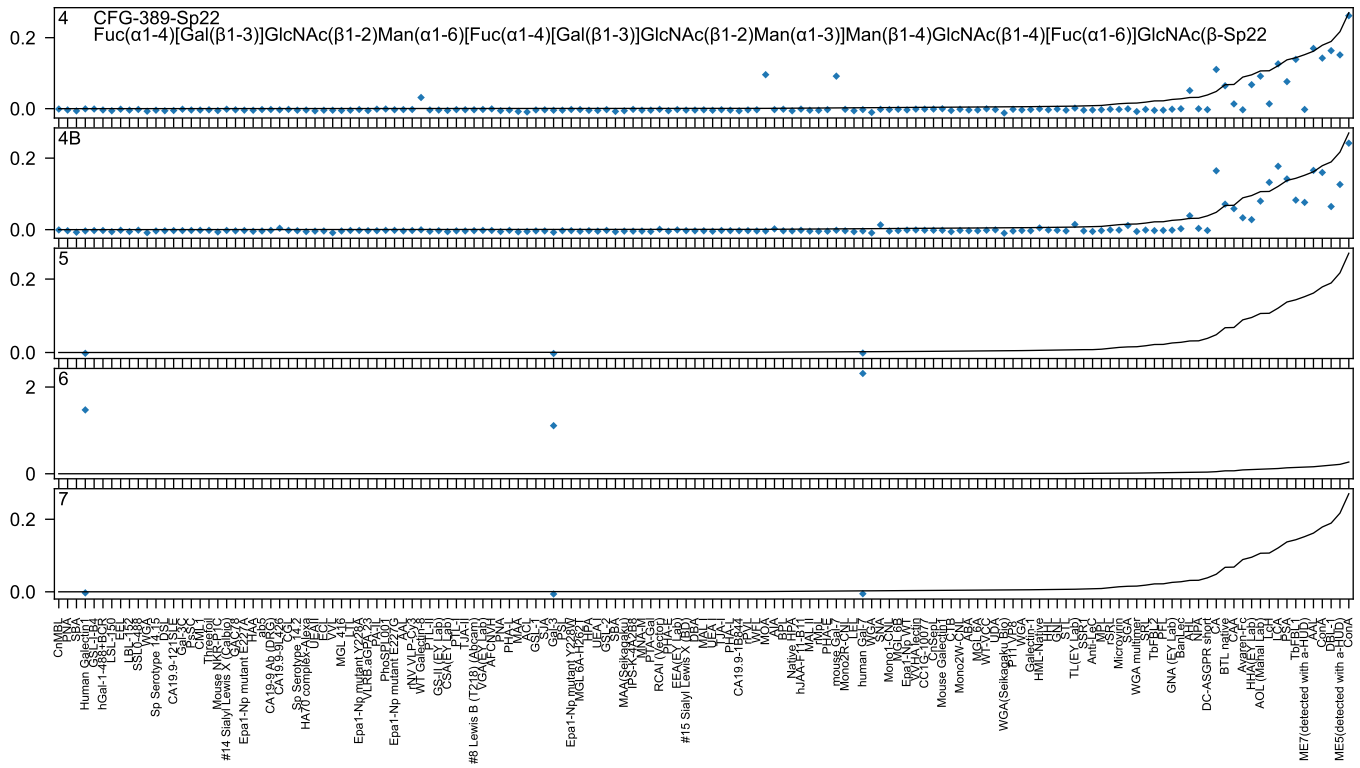

4
CFG-384-Sp20
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.0
0.2
0
2
MNA-A
MNA-H
PNA
SSL0-28
hGal-1 (Abcam)
MGL 416
Threoglo
VVGA
Gal-3
Epa1-Np mutant E227A
Epa1-Np mutant S157
VLRB aln
Epa1-Np mutant Y226A
Epa1-Np mutant G227A
GSL-I-B4
CGB
IPSK K-4-4238
Sp Serotype-1
GAC78
Sp Serotype-12
VGT
PSA
CA19-9 Ab mAb
PTA(G)
PA-L
PA-IL
HA70 complex-Alexa
Epa1-Np mutant E227C
RCA(I (Vector)
VGA(E Lab)
Gal-2
UEA(E Lab)
PSL
GS-II (EY Lab)
mEL
LBL-1
AFCNVA
UEA
CA19.9-9-1-126
PTL-I
ECL
SSA
SNA
AAL
#14 Sialyl Lewis X (Calbio)
HPA
PTA
DEA
GSL-I
CA19.9-9-1-144
PHA-L
CA19.9-9-1-150
hAA-P11-B11
Mouse RNase-P/C
#15 Sialyl Lewis X (Bio)
MAL I
MAL II
EEA(EY Lab)
MGL 6A-Hapten
MAA(Seikagaku)
Cnidaria
CBA
SJA
MVL
HMA-Native
HMA-Native
PHA-E
Mono1-SBL
TJA-II
Mouse Galectin-1
WFL
Naiva VPA
PHA-L
CC1G-1-M74
SSA
SSL1
JSRA
MGL 6B
MGL 6A
#8 Lewis B (T218) (Abcam)
TL(EY Lab)
GSA(EY Lab)
Monoclonal
WGA(Seikagaku Bio)
ABA
Mono2W-CNL
Bar Lec
Ara-Lec
Galectin-1
GNA-Lectin
VVA Galectin-8
CML1
BTL
DC-ASGPR sept
native
INV-VLP-C03
ME7(detected with a-HUD)
Human Galectin-1
Avigen-Fc
VVHA(EY Lab)
LCA
SGA
HHA(EY Lab)
ME5(detected with a-HUD)
WGA native
CNMB
human Gal-7
DBL-1
VCA
OAA
AOL (Mahal Lab)
Tje-AL
mouse Galectin-7
CA

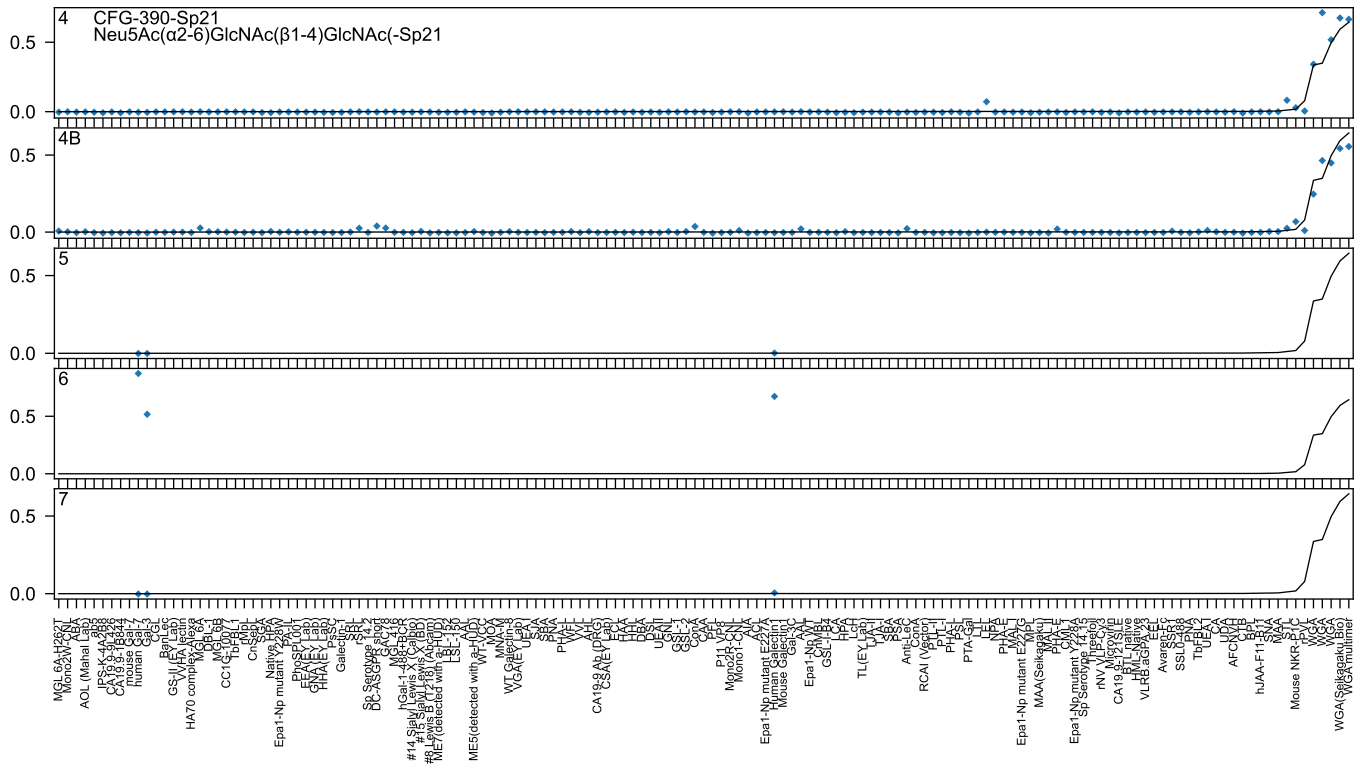

4
CFG-385-Sp20
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.5
0.0
1
0
hMAF(E1-B11)
LEA(EY Lab)
PNA
MAL
MAH
PhoSL-081
GSL-I-B4
AAL
RCA
PWA
SSL0-488
Sp Serotype
Gal-3
AIA
VLRB aGPA-23
Threefold
LSL-150
GNL-1
GS-II (EY Lab)
Sp Serotype
SCA19-9-1428
Epa1-Np mutant Y228W
Epa1-Np mutant Y228F
Epa1-Np mutant E227G
MGL-116
GNA
VA-1
ACL
DSA
DBA
IPS-K-44
hGal-1-488-BGR
CA19-9-18844
HA70(Lewis X (BD))
#15 Sialyl Lewis X (Calbiochem)
#14 Sialyl Lewis X (Calbiochem)
PSA
Epa1-Np
SVA
BPL
Mouse NKR-P1
PHA-L
AFCN-203
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E227G
LTA
HPA
CA19.9-1218
HPA
PHA-E
PAL
MAA(Seikagaku)
GAL
CA19-9 Ab (DAKO)
MPL
MGL 6A-H2
SSA1
MAL-II
STL
DTA
GNL
Native HPA
TbFBP-2
PCA
WGA
VHL
P11
Misgovirin
MGL-1
HML-Native
CSL3
MGL 8A
CSA(EY Lab)
NGA
Mono1-SNL
Mono2-SNL
WGA(Seikagaku)
ABA
CONA
GNA (EY Lab)
STB
VGA(EY Lab)
PALM
CGL
Mono2W-SNA
Anti-LEC
UEA
EEL
WT-Vcc
Banlec
DC-ASGPR short
Mouse Galectin-1
EEL
nVAP(PCK)
R-L-native
HRG-Galectin-1
pTGFβ
DSL-Gal-1
WT Galectin-8
ME7(detected with a-HUD)
WT-A-HUD
CCTG-16077
human CeaA
WGA
WGA multimer
RCA (Vector)
UEA
ME5(detected with a-HUD)
SGA
TJA-I
TJA-II
ConA
APA
ACA
TL(EY Lab)
UEA
mouse Galectin-1
human Galectin-1
PTL-I
AOL (Marker)
BPL
AAL

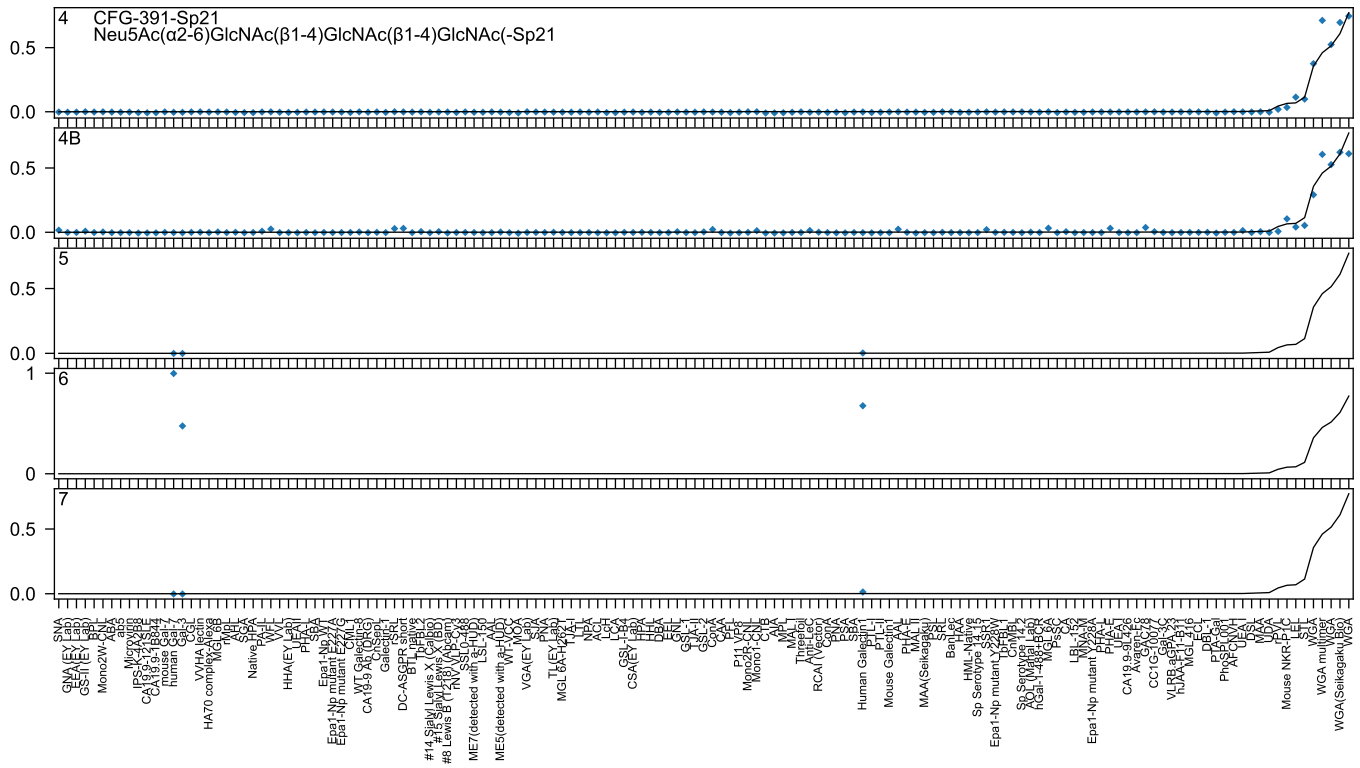

4
CFG-386-Sp20
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.2
0.1
0.0
1
0
SNA
Mono1-1488
hGal-1-488
#15 Sialyl Lewis X (Lab)
#8 Lewis B (Y1-218) (Ab (Lab))
HA70 complex-Alexa
LSL-155
LSL-156
#14 Sialyl Lewis X (Lab)
WGA
SBA
WT Galectin-1
CML1
PhoSP-701
Mono2R-CNL
Mono2R-CNL
Sp Serotype 9 (Lab)
CA19.9-1-428
CA19.9-1-428
Con A
A5G0
VLRB.aGPA-73
CA19.9-12-SLE
CA19-9 Ab (DRG)
Galectin-3
Gas6
ab5
BF
UEA-1
Sp Serotype 9
SBA
PNA
PHA-C
PHA-L
Mouse NKR-P1C
VVHA (Lab)
Epa1-Np mutant Y227A
SJA
SAA
GNA
LBL-152
Epa1-Np mutant E227A
EEL
PAL
HPA
MGL-6A-Alexa
PHA-E
UEA-II
VVA
HM-Native
MGL 6A-Alexa
GNA
MNA-M
sSLD-AM
AIA
Mycoprotein
rNV-Vp8
Galectin-1
LCA
VVA
Epa1-Np mutant Y227G
GSII-B4 (EY Lab)
GNL
EEA(EY Lab)
P1 (Vp8)
MAL
PTL-I
TJA-II
Bap Lec
MAL
CSA(EY Lab)
WGA multivalent
WGA
PCA
SJA
MAA(Seikagaku)
[L(EY Lab)]
NPA
PTL-I
UEA-I
DBA
WGA
GNA (EY Lab)
CC1G-10057
Epa1-Np mutant E227G
Gal-3
PTA-Gal
IPS-K-4-Gal
HPA
PVA
Con A
NSR-1
MGL-6B
VGA-F11-B17
hJAA-F11-B17
MGL-6A
Epa1-Np-WT
WGA(Seikagaku Bio)
ISB
CnME
CAA
human Gal-7
HHA(EY Lab)
SGA
Native HPA
ABA
RCA I (Vector)
Mouse Galectin-1
mouse Gal-4
WT-SCC
CA19.9-1-SCC
TcFBL2
Ann
ME7(detected with a-RUD)
Human Galectin-1
ME5(detected with a-RUD)
Human Galectin-3
AL-Native
DBL-1
AOL (Marine Lab)
AAL

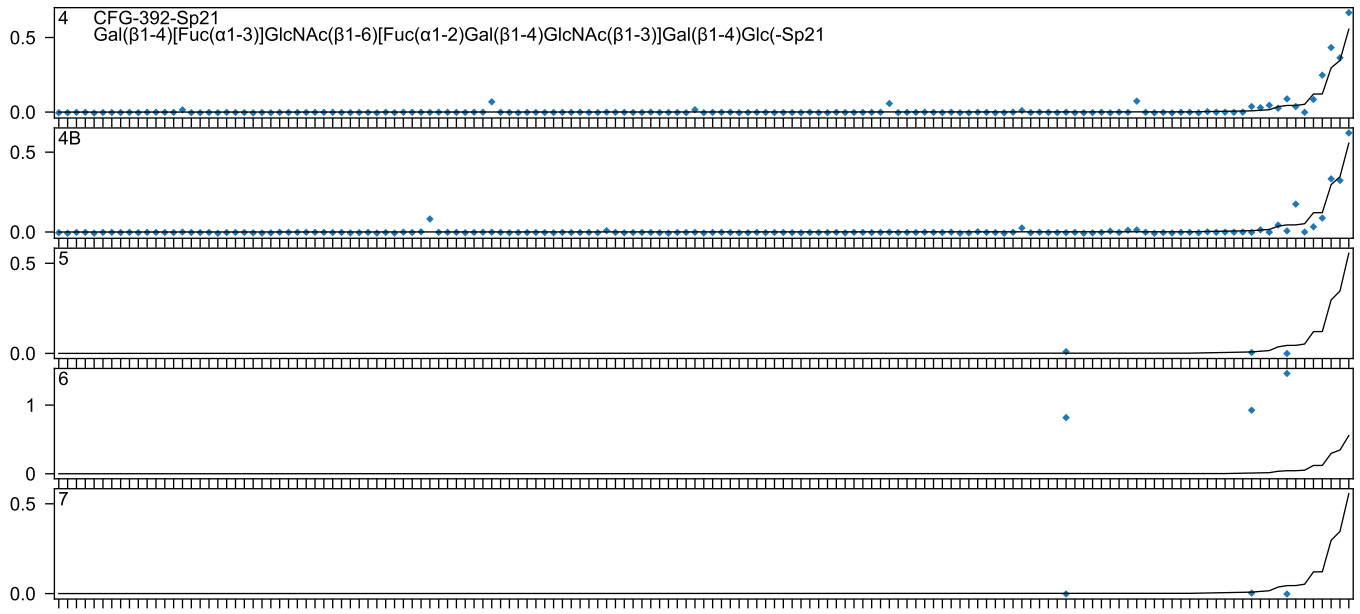

4
CFG-387-Sp20
Gal(α1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.5
0.0
2
0
SVA
SVA2
SBA
LEA
SBA
AFG
NVH
PTA(Lab)
EEA(EY Lab)
CSA(EY Lab)
VVX
UEAI
LCA
OBA
UEAII
#14 Sialyl Lewis X (Cardiff)
SSL2
AVA
Epa1-Np
DEA1
Epa1-Np mutant E227A
Epa1-Np mutant E227A
CA19.9-9AD (Cardiff)
CTB
MGL 476
Sp Serotype 14 2
OVR3
DC-ASGPR short
Epa1-Np mutant T67 68
GS-II (EY Lab)
Epa1-Np mutant Mccoy
Mccoy
Sp Serotype 14 1
Sp Serotype 14 3
#15 Sialyl Lewis X (Cardiff)
CA19.9-121 SLE
CA19.9-9L 426
GSL2
Avastin
HA70 complex-Alexa
MGL 6A-H26E2
SSR1
WGA
HML-Native
#8 Lewis B (T218) (Abcam)
abs
Thomsen-Lab
LSL-1 (Lab)
Native MIP
PFS-K-16 233
CA19.9-1 (Cardiff)
BPL-1
FCI
PTL
HAA
MAA(Seikagaku)
ACL
AOL (Maria Lab)
PHA-E
PHA-L
PVL
PNA
ABA
UEA-1
EAN
PFL
TorB
BPL
MNA-M
ACG
AAL
DSL
LCA
Mono2W-CNI
Mono2W-CNI
LBL-162
PTA-Gal
Bam-lec
ACA
hGal-1-488-Biotin
PHA-E
MALI
Phos-Gal-6A
SGA
P11
PHL
ME7(detected with a-PUD)
rNV VLP-A-1
hJAA-F11-B11
WGA(Seikagaku Lab)
SNL
rSRL
BTL native
ME5(detected with a-PUD)
OnPL
Gal-3
VVHA lectin
Gal-3C
Galectin-1
EEL
PseS
CCL
Mouse Galectin1
CAA
WT Galectin-8
CnSepL
CC1G-10074
WT-YCCC
GNA(EY Lab)
HHA(E. coli-GSP)
RCA1(Vector)
GSL4
PAL
mouse Gal-7
WGA multimer
Human Galectin
MOA
VLRB.aGP
VGA(EY Lab)
#14 Sialyl Lewis X (Cardiff)
Epa1-Np
Epa1-Np mutant E227A
Epa1-Np mutant E227A
CA19.9-9AD (Cardiff)
Epa1-Np mutant T67 68
Epa1-Np mutant Mccoy
#15 Sialyl Lewis X (Cardiff)
#8 Lewis B (T218) (Abcam)
Native MIP
MAA(Seikagaku)
AOL (Maria Lab)
WGA(Seikagaku Lab)
ME7(detected with a-PUD)
ME5(detected with a-PUD)
Mouse Galectin1
WT Galectin-8
Human Galectin

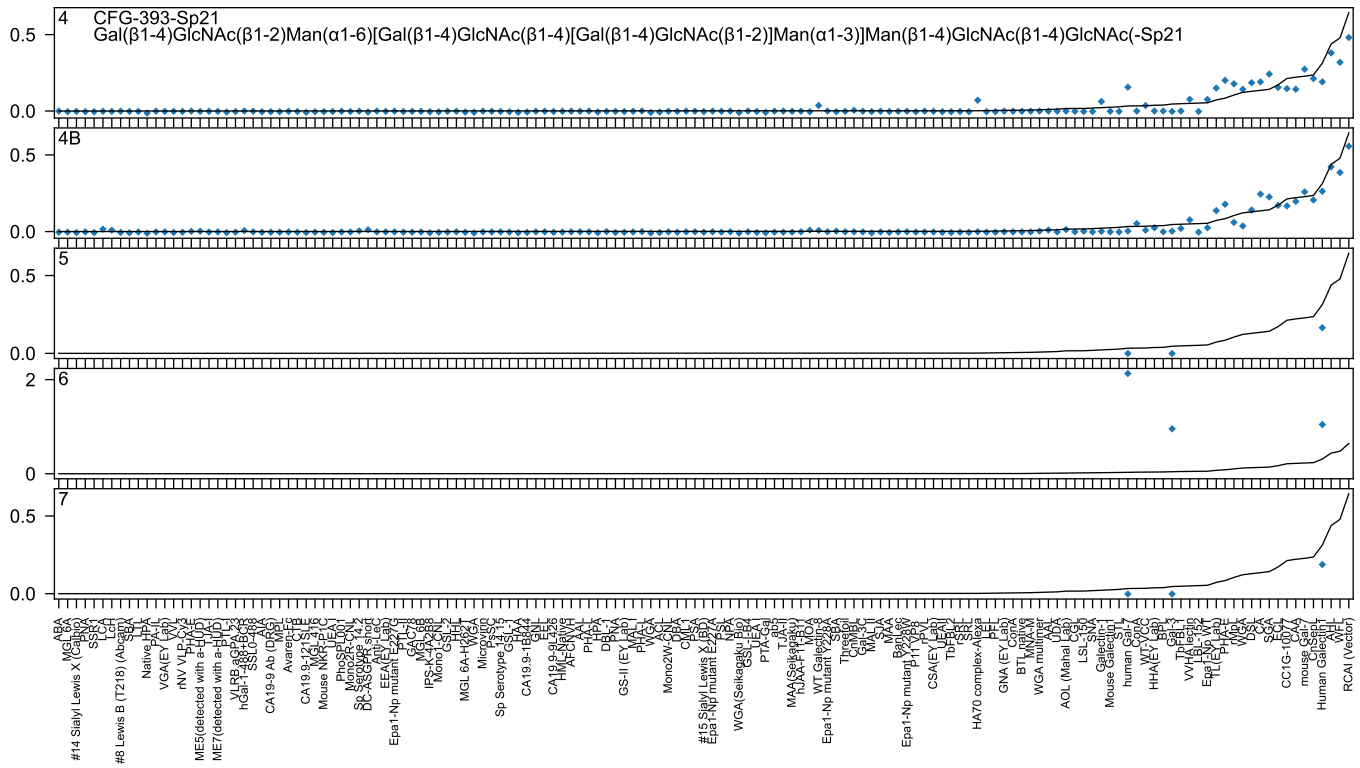

4
CFG-388-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
SBA
BJA
UEA
PTA
Gal
PNA
AAL
PHA-E
PHA-L
MAA(Seikagaku)
VGA(EY Lab)
MOA
VcL
MAL
PWM
PGL
EEA(EY Lab)
CA19-9 Ab
CA19-9 Ab (DRG)
CA19-9 Ab (Abcam)
CA19-9 Ab (TSLE
Microvirin
ABP
ABA
WGA(Seikagaku)
Mono2(Vector)
LEN
BPL
GS-II (EY Lab)
HPA
PAL
AAL
MOA
CAA
Epa1-Np mutant VEA
Epa1-Np mutant PDB
CA19-9 Ab (DRG)
VGA
VGA
CTB
Galectin-8
Thrombomodulin
Mouse NKR-P1C
PC
LSL-150
Mono2(Vector)
Mono2(Vector)-CNL
WGA multimer
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-18) (Abcam)
nVVL Bacsys3
nVVL Bacsys3
LBL-Sp-2
EEL
ME7(detected with a-HUD)
SSLO-PAE
SSLO-PAE
DSA
Epa1-Np mutant EBA-4
Epa1-Np mutant EBA-4
VLRA.agPA-23
Epa1-Np mutant EBA-4
Epa1-Np mutant EBA-4
Sp Serotype 14.15
Sp Serotype 14.15
Sp Serotype 14.15
MGL 6A(Seq.68)
MGL 6A(Seq.68)
MGL 4/16
MGL 4/16
IPS-KCAN68
Avarap-Fc
HA70 complex
PHACE
TL(EY Lab)
TL(EY Lab)
WT Galectin-8
NMLT
DC-ASGPR-Sp10
PBP
Epa1-Np mutant UCBPY
UCBPY
PTL
TJL
MPL
CSA(EY Lab)
CSA(EY Lab)
hJAA-F11-B11
hJAA-F11-B11
ENVL Vec
hGal-1-488-HCR
GSL-I-B4
PGL
GSL-I
GACTA
AOL (Mahal Lab)
SSA
SSB1
Chitin
CBA
VCH
Epa1-Np WT
Epa1-Np WT
WGA
Mouse Galectin-9A
human Gal-7
Galectin-7
Galectin-7
TbpBCA
VGA
MNA-M
MNA-M
BTL native
Human Galectin-9A
Native HPA
SBL
ME5(detected with a-HUD)
SBL
HPA
PAL
CAA
GNL
VVHA (EY Lab)
EC
mouse Galectin-1
Ban Lec
CC1G-10077
KPA
GNA (EY Lab)
HHA(EY Lab)
RCA(Vector)
SCA
AHL

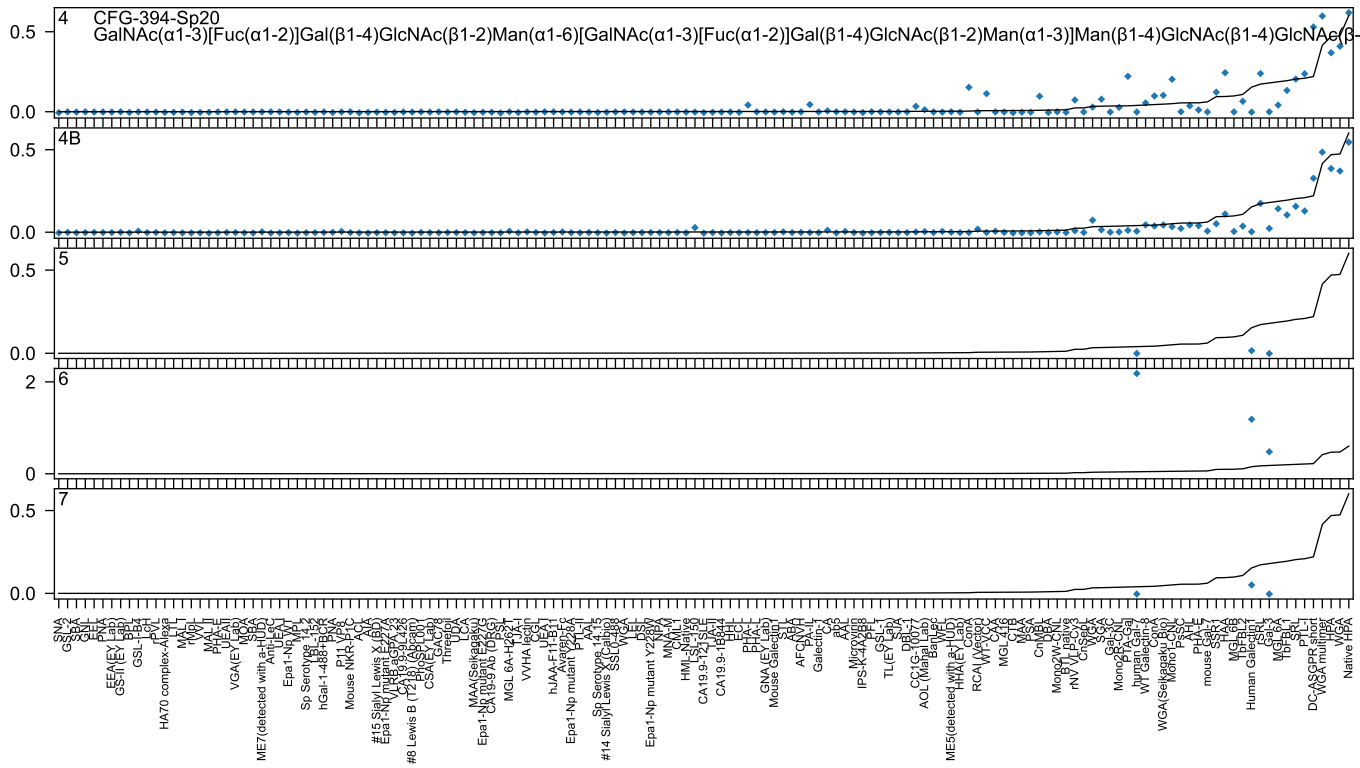

4 CFG-389-Sp22
Fuc(α1-4)[Gal(β1-3)]GlcNAc(β1-2)Man(α1-6)[Fuc(α1-4)[Gal(β1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.0
0.2
0
2
CnBA
UDA
SBA
Human Galectin-1
hGal-1-488-1B03
LSL
EEL
SSA
BPL-188
WGA
Sp Serotype 1 A3
CA19.9-12-1B5
GNA
GS-SC
CMLI
TKB-BTC
Mouse NK-1
#14 Sialyl Lewis X
Galectin-9
Epa1-Np mutant E227A
ABA
CA19.9-1B06
CA19.9-3B04
CGE
Sp Serotype 1 A2
HA/0 complex
UEAII
EVL
MGL 4-16
Epa1-Np mutant Y228A
VLRB aGPA 23
PhoSP1001
Epa1-Np mutant E227G
WT Galectin-1
INV-VLP-CY3
GSL(EY Lab)
CSA(EY Lab)
PHL
JAC-1
#8 Lewis B (T218) (Abcam)
VGA(EY Lab)
APC
PNA
PHA-L
ACL
GSL-I
Gal-3
Epa1-Np mutant Y228V
MGL 6A-H2B1
UEA-I
GSL-4
MAA(Seikagaku)
IPS-K(Seikagaku)
RCA(EY Lab)
#15 Sialyl Lewis X
EEA(EY Lab)
DBA
MEL
TJA-I
CA19.9-1B044
PVL
MOA
AIA
Native PFA
hJAA-F
MAL II
PWM
mouse Gal-7
Mono2R-CNL
human Gal-7
VVA
Mono1-CNL
Epa1-Np WT
VVL(HA lectin)
CCL(HA lectin)
CnSerp
Mouse Galectin-3
Mono2W-CNL
MGA
WT-OCC
WGA(Seikagaku)
Bio
pH1 V68
Galectin-1
HML-Native
GNL
TL(EY Lab)
SSA(EY Lab)
SSR1
Anthrax
MPL
ISPL
Microcystin
SGA
WGA multimer
TbFBL2
GNA (EY Lab)
Ban lec
NPA
DC-ASGPR sh
BTL native
CAA
Avarol
HHA(EY Lab)
AOL (Marfat Lab)
LEY
PCA
PCA
TbFBL1
DSA
ME7(detected with a-HUD)
ConA
ME5(detected with a-HUD)
ConA

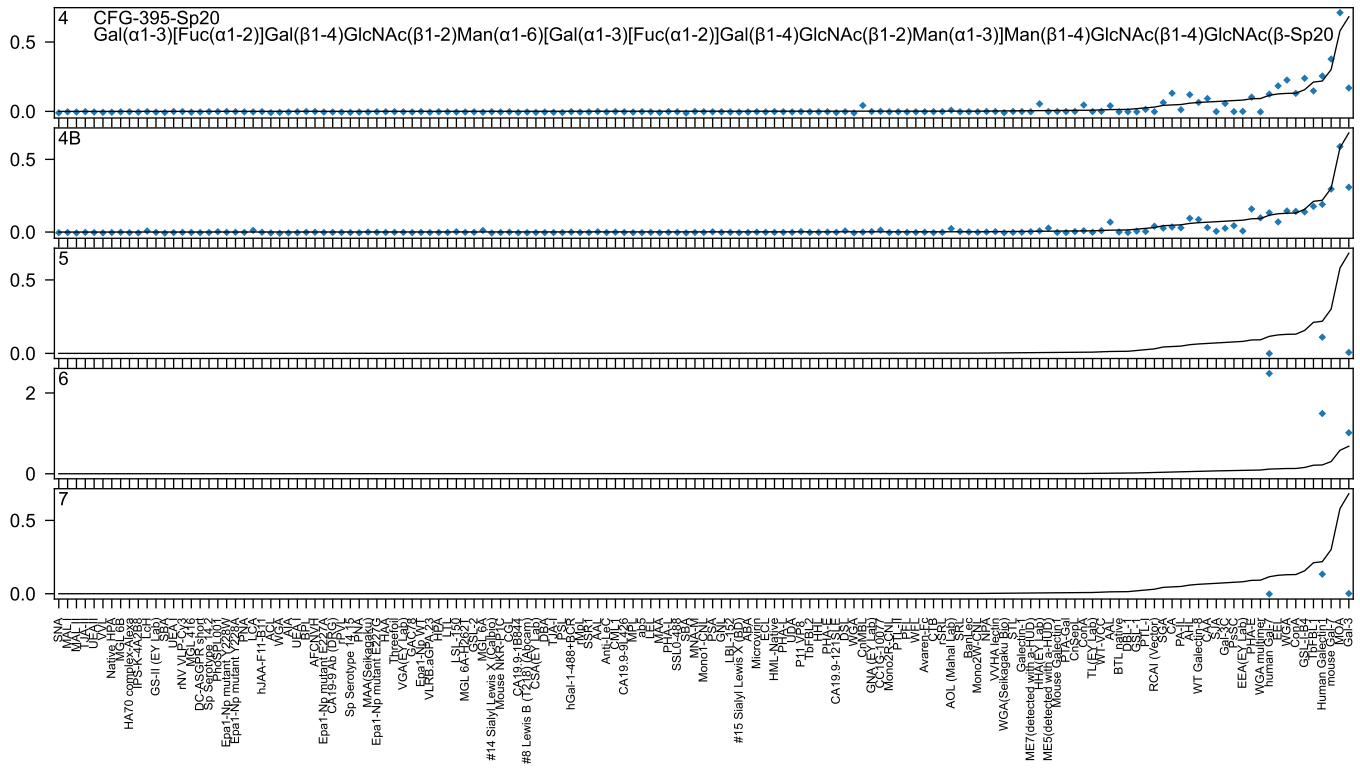

4
CFG-390-Sp21
Neu5Ac(α2-6)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
MGL 6A H267
Gal-2 AW
KBA
AOL (Mahal Lab)
Lab9
PSS K-46 288
CA19.9-18844
CA19.9-18844
human
mouse
Gal-7
Gal-3
Bap
Lac
GS-I(EY Lab)
HA70 complex-Hexa
MGL6A
MGL
MGL 6B
CC1G
TbPA17
Kdo
Cn
SBA
Native PNA
Epa1-Np mutant
PA-IIL
EPA(EY Lab)
ENA(EY Lab)
HHA(EY Lab)
Fuc
Galectin-1
rSRL
Sp Serotype 14.2
DO-ASGP-1
GAC78
hGal-1-488-C-S
#14 Sialyl Lewis X (2-2)
#8 Lewis B (2-1)
ME7(detected with a-HUD)
LSL-155
ME5(detected with a-HUD)
WT-XCC
MWOM
WT-Galectin-8
VGA(EY Lab)
UEA
SSA
PNA
PTA(EY
VVL
CA19.9 Ab (PRG)
CSA(EY Lab)
HAA
DBA
DSL
UEA
GNL
GSL-1
ConA
CAA
P-11
Mono 83
Mono 17
AIA
Epa1-Np mutant E227A
Human Galectin1
Mouse Galectin1
Gal-3C
VAT
Epa1-Np mutant
CNMBA
GSL-I-B4
HPA
TL(EY Lab)
DAA
SBA
Anti-LeB
ConA
RCAI (Vector)
PHA-L
PHA-E
PSL
PTA-Gal
LEL
PNA
Epa1-Np mutant E227A
MAA-L
MAL
MAA(Seikagaku)
PHA-E
PHA-L
Epa1-Np mutant
Y286A
Sp Serotype 14.15
rNV VP-P2
MGSV(VP)
CA19.9-18844
BT-72
BTL native
VLRB-Hexa
VLRB-Hexa
Avar
EEL
SSLD-488
TbFBL2
UEA
UDA
AFCYTB
BPT
hJAA-F11
SNA
MAA
Mouse NKR-P1C
WGA
WGA
WGA
WGA(Seikagaku, Bio)
WGA(multimer

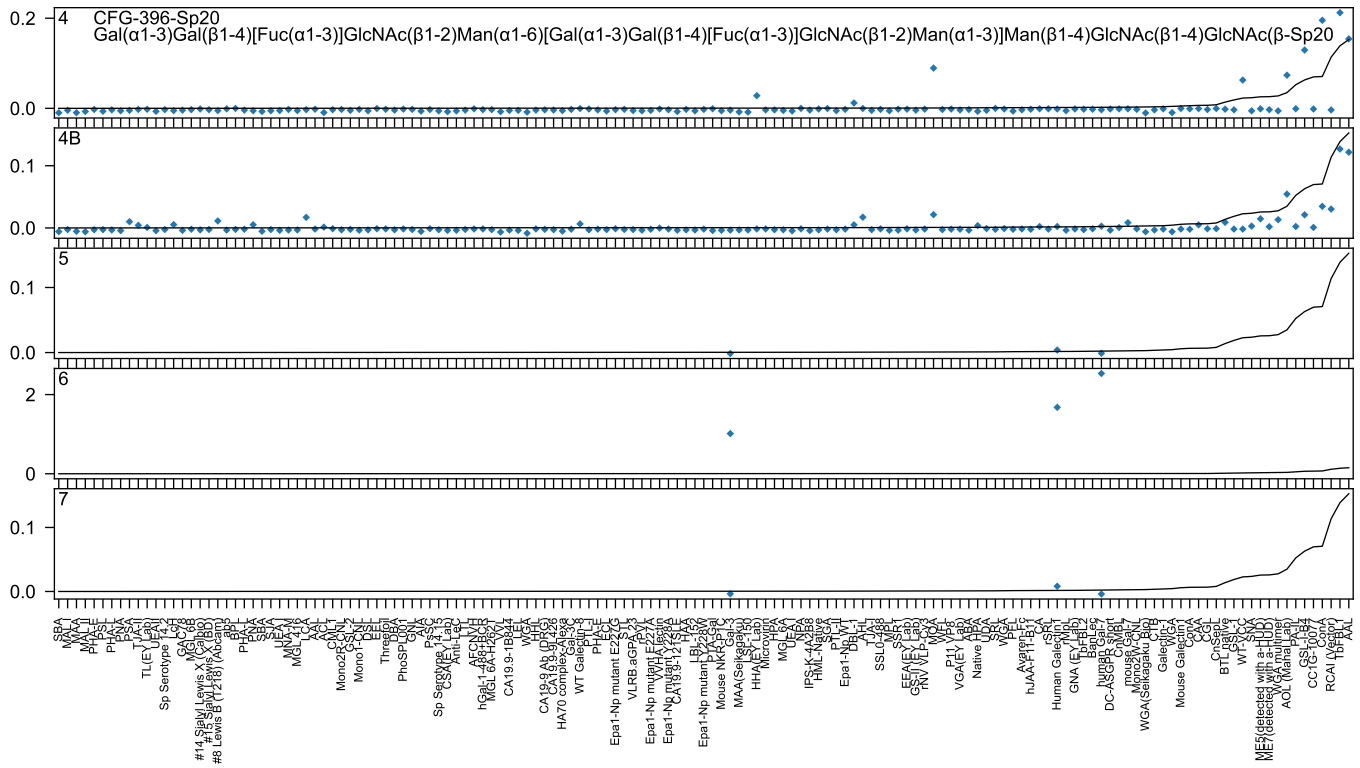

4
CFG-391-Sp21
Neu5Ac(α2-6)GlcNAc(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
Tab
GNA (EY Lab)
EEA (EY Lab)
GS-II (EY Lab)
BPL
Mono2W-CNL
ABA
ab5
IPS-1
Microvitin
CA19-9-125-LE
CA19-9-125-LE
mouse Gal-4
human Gal-4
OGL
VVHA lectin
HA70 complex
MGL-188
NAE
SSA
Native PFA
PFA
WFL
HHA(EY Lab)
PFAL
SBA
Epa1-Np mutant PFAT
Epa1-Np mutant EC577-G
WT Galectin-8
CA19-9 AC (Sorg)
Galectin-1
DC-ASGPR
SNL
BTL (native)
#14 Sialyl Lewis X (Calbio)
#13 Sialyl Lewis X (IBD)
#8 Lewis B (Vector)
ANV (Vector)
SJA-I-188
ME7(detected with a-HUD)
LSL-150
ME5(detected with a-HUD)
WT-XCC
VGA(EY Lab)
PNA
TJA(EY Lab)
MGL 6A-426-1
NTL
ACL
LCH
GSL-I-B4
CSA(EY Lab)
HPA
UEA
DBA
SNL
GSL-I
GSL-2
CGA
CAA
P11
VFL
Mono2R-CNL
Mono1-CNL
CTB
AAA
MAL
MAL I
Thrombo
Ame-Leg
RCA (Vector)
PNA
EEA
ESA
Human Galectin1
Mouse Galectin1
PTL-I
PTL-II
PHA-E
MAA(Seikagaku)
BSL
SRL
Bau-A
HML-Native
Sp Serotype-SSA1
Epa1-Np mutant UDP-PFAT
CnMP
Sp Serotype-M
ADP (Matrix Lab)
hGal-1-4mer-BA
MPA
PsSC
LBL-152
Epa1-Np mutant PFAT
PFAL
PHA-L
CA19.9-gL426
Avarocyte
CC1G-10077
VLRB.aGPA-33
hJAA-F11-B11
MGL-6
ECL
DBL
PNA-1
PhoSL-001
APC-OEA
DSL
VGA
MDA
Mouse NKR-P1C
LEL
WGA
WGA multimer
WGA(Seikagaku)
BPL
WGA

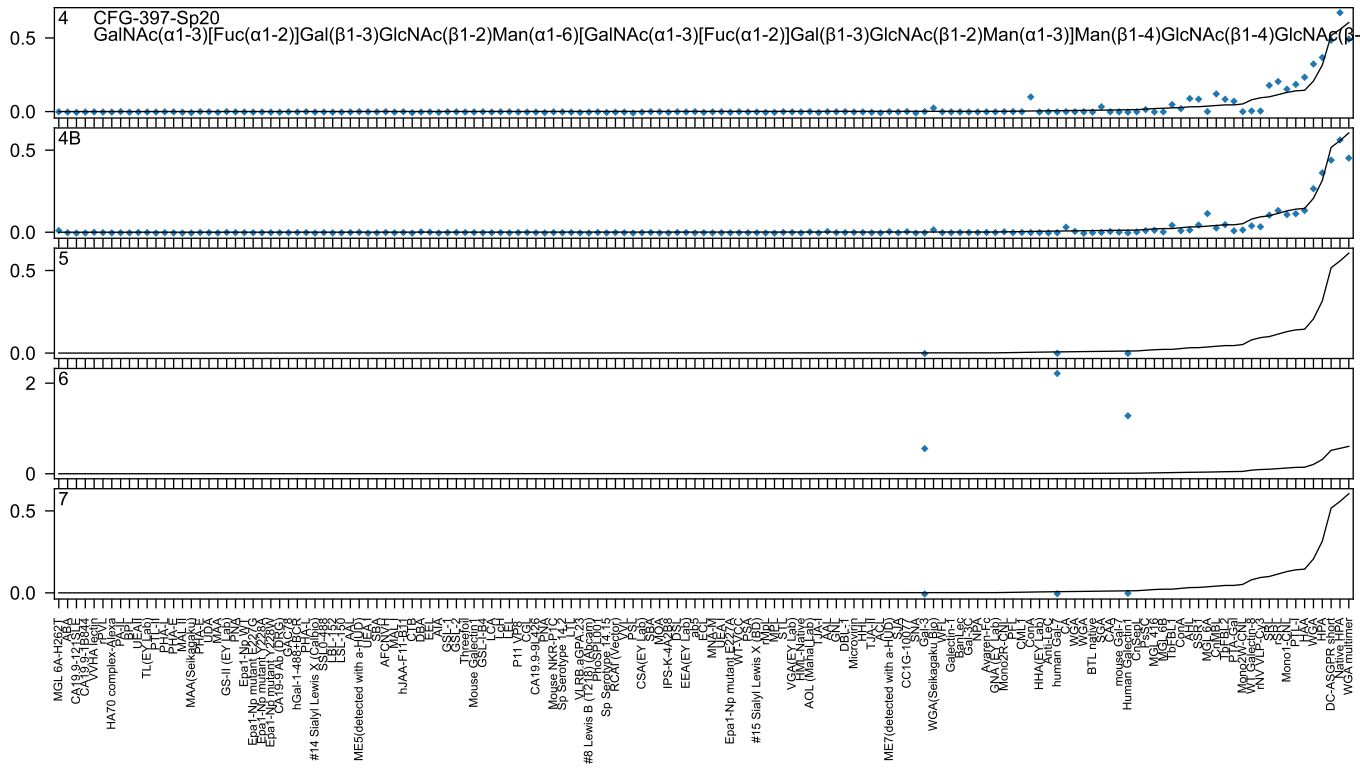

4
CFG-392-Sp21
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
MGL 6A-HSA
VGA(EY Lab)
SBA
PNA
PHA-L
HHA(EY Lab)
GSL-I(EY Lab)
Mono2W-CNL
CA19.9-9L
WGA multimer
PVL
ACL
SGA
PSA
VVL
UEA
TL(EY Lab)
MAL
MOA
WT-LOG
MES(detected with g-HUD)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant E227Q
Epa1-Np mutant Y228W
Mono2W-CNL
PNA(Lectin)
PsSC
SBL
SRL
Sp Serotype 14
Sp Serotype 14-2
Sp Serotype 14-3
hGal-1 488-BCS
#14 Sialyl Lewis X (Carbio)
#15 Sialyl Lewis A (Carbio)
#8 Lewis B (Carbio)
ASCNVH
SSA
MES(detected with g-HUD)
LBL
ARA
BTL native
BTL native
hJAA-F-11
BJA
LEA
LEL
LCA
PHA-E
MAL
MAL II
DSL
GSL-I-B4
Mouse NKR-P1C
P11
VAR
AIA
Mono2R-CNL
Mouse Galectin1
Mono2W-CNL
MAL II
MAA(Seikagaku)
PHA-L
PHA-E
CpnA
AnnV
BHA-E
LSL-I-55
MPL
OAA
MGL 418
CA19.9-1SGE
CA19.9-2SGE
PHA-Gal
ABA
Microvirin
MGL 6A
CA19-9 Ab (BRG)
GAC78
MGL 418
VLRB.aGPA.D3
HA70 complex-Alexa
WGA
GNA
GNA (EY Lab)
Bam Lec
Tachi Lec
Gal-3C
ECA
SSA
SSB1
IPS-K-4A2B8
HML-Native
PAA
Epa1-Np
DBA
CTB
CGL
MAA
GBA
WGA(Seikagaku, Bio)
GSL-I-B4
SNA
Con A
DC-ASGPR
SBTI
UEA
WGA
STL
Native CHPA
STL
Galectin-8
PEL
WT Galectin-8
WT
CNBL
Human Galectin1
CCTG-1DA-I
VVHA (scilg)
hKIM-8 (Vector)
RCA
rNV VLP
BJA
mouse Gal-7
AOL (Mahal Lab)
AAL

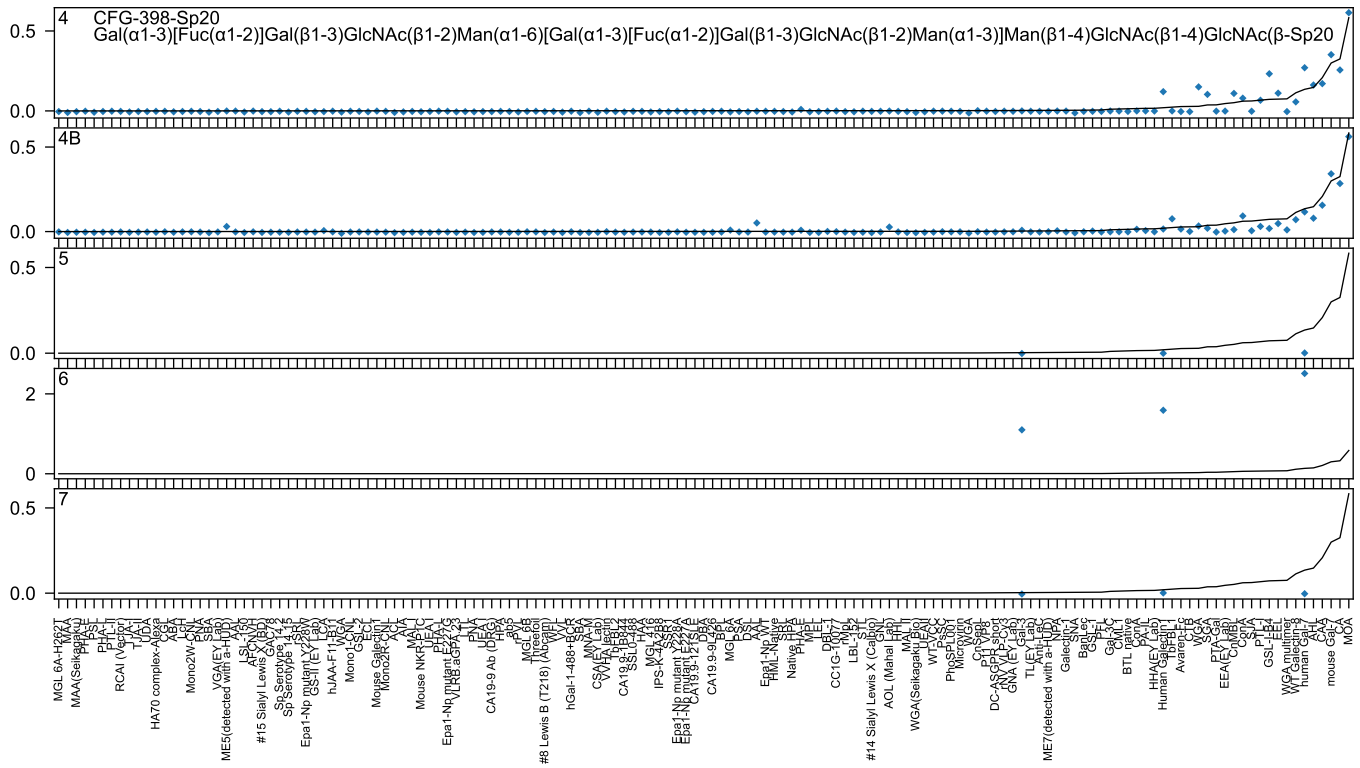

4
CFG-393-Sp21
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-4)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
2
0
#14 Sialyl Lewis X (Cabio)
#8 Lewis B (T218) (Abcam)
ME5(detected with a-HUD)
ME7(detected with a-HUD)
CA19-9 Ab (DRG)
Sp Serotype 14-2
Epa1-Np mutant
MGL 6A-HRP
Sp Serotype 12-35
CA19.9-1B44
CA19.9-9L426
GS-II (EY Lab)
#15 Sialyl Lewis X (Abcam)
Epa1-Np mutant
WGA(Seikagaku)
MAA(Seikagaku)
WT Galectin-8
Epa1-Np mutant
Epa1-Np mutant
CSA(EY Lab)
HA70 complex-Alexa
GNA (EY Lab)
WGA multimer
AOL (Mahal Lab)
Mouse Galectin-1
human Gal-7
HHA(EY Lab)
Epa1(EY Lab)
Human Galectin-1
RCAI (Vector)

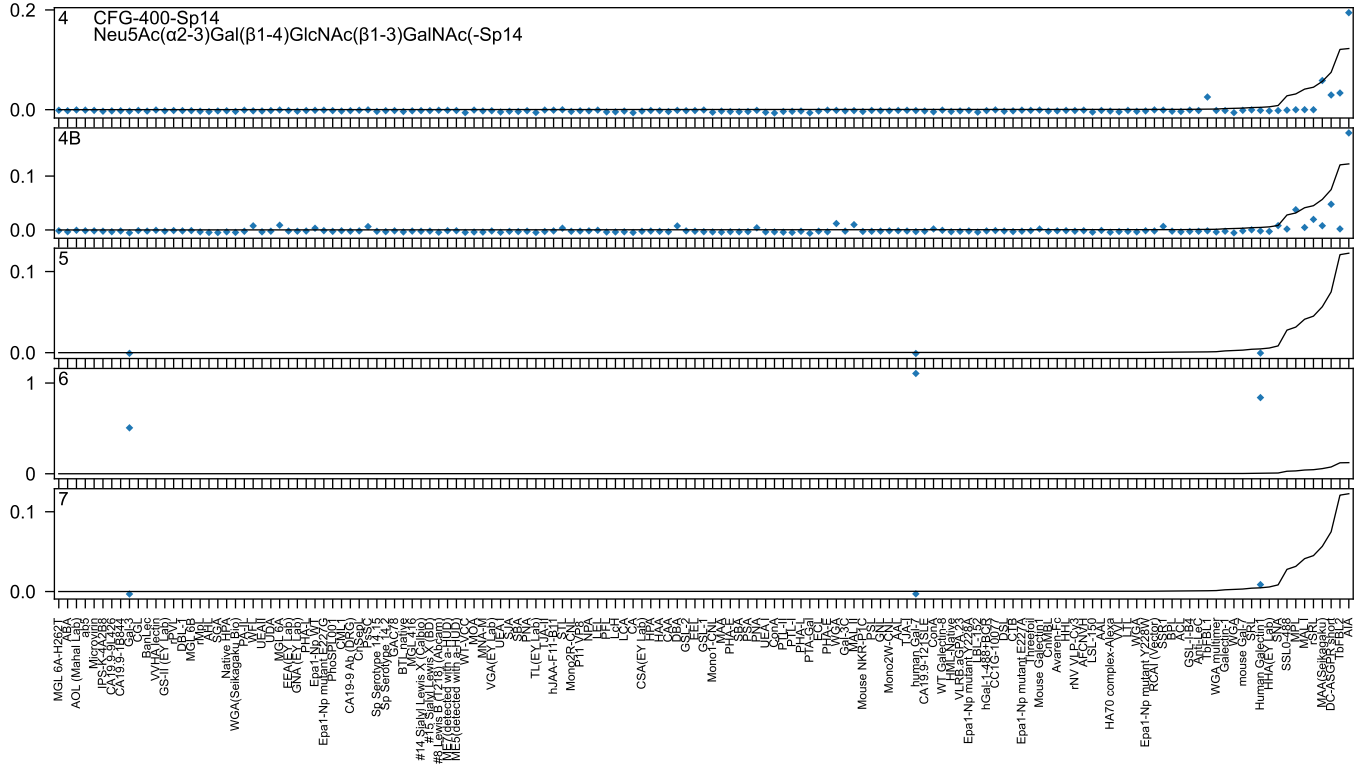

4
CFG-394-Sp20
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-
4B
5
6
7
0.5
0.0
2
0
SNA
GSL-I-B4
SBA
GSL-I-A4
PNA
EEA(EY Lab)
GSL-II(EY Lab)
PSA
GSL-I-B4
HA70 complex-Alexa
MAL I
MAL II
MOR
MAL VII
PHA-E
PHA-L
VGA(EY Lab)
MOA
ME7(detected with a-hUD)
Anti-LEC
Epa1-Np NV
Sp Serotype 14
Sp Serotype 1-75
hGal-1-488+PBX
PB1
Mouse NKR-P1
AOL
#15 Sialyl Lewis X (EY
Epa1-Np mutant E227A
CA19.9-1-488
#8 Lewis B (T218) (Abcam)
CSA(EY Lab)
GAC78
Timp-1
UDA
MAA(Seikagaku)
Epa1-Np mutant E227G
CA19.9-AD (DSS)
MGL 6A-H2K1
VVHA (sgn)
UEA-I
hJAA-F11-B11
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
#14 Sialyl Lewis
SSA(Calbiochem)
WGA
DSL
Epa1-Np mutant Y228W
MNA-M
OML-1
HML-1(Sialyl Le)
CA19.9-12(SLT
CA19.9-16B44
EPL
PHA-L
GNA(EY Lab)
Mouse Galectin-1
ABA
AFP
PAVI
Galectin-7
aCS
AAL
Microcystin
IPS-K4A2B8
SLT
TL(EY Lab)
GSL-I
DBA
CCIG-10077
AOL(Mab Lab)
Bau-1(Lab)
ME5(detected with a-hUD)
HHA(EY Lab)
RCA (Vector)
WFA(EY Lab)
MGL-416
CTB
VSA
CnuBP
Mono2W-CNL
nVV LectinV3
CnuSP
SGA
GalNAc
Mono2W-CNL
PTA-Galactose
Human Galectin-8
WFA(Seikagaku)
CcnA
WGA(Seikagaku)
Kidney Bean
PSA
PHA-E
mouse Sialyl
HAA
MGL-BP
Human Galectin-1
Gal-3
Gal-2
MGL
TBA
SRL
DC-ASGPR
Sialyl-Lewis
WGA multimer
WGA
Native HPA

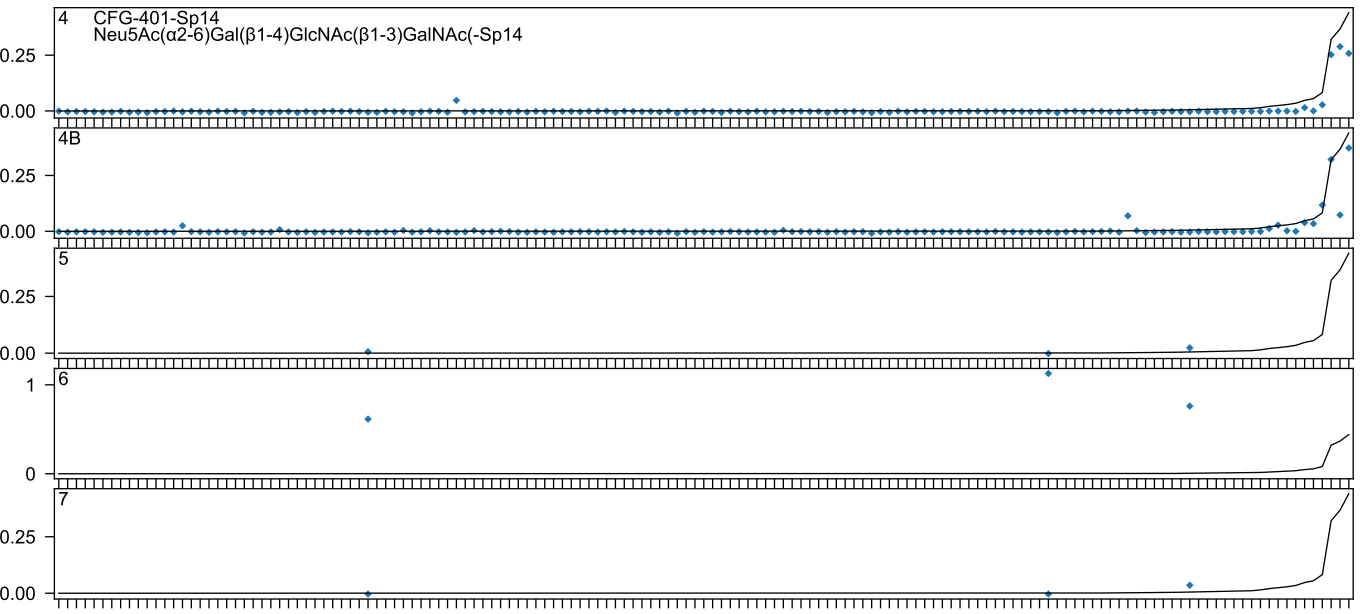

4
CFG-395-Sp20
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.0
0.5
0
2
SNA
MAL-I
MAL-II
UEA-I
VVA
Native Lectin
MGL 6B
HA70 complex
MGL-4A88
HPA
LCA
GS-II (EY Lab)
SBA
PEA
rNV VP1
MGL 4B
MGL 4A
DC-ASGPR stpd
Sp Serotype 1
PNA
Epa1-Np mutant 1
Epa1-Np mutant 2
Epa1-Np mutant 3
PNA
hJAA-F11-B17
WGA
AIA
UEA
EP
AF-DVVH
CA19.9-AB (OTSC)
Sp Serotype 7
PNA
MAA(Seikagaku)
Epa1-Np mutant 4
HAA
VGA(Everbio)
Epa1 GACT3
Epa1 aGPA 13
HPA
VLRB a.GPA 13
MGL 6A-1-Sh-1
MGL 6A-2
MGL 6A
Mouse NK cells
#14 Sialyl Lewis x
CA19.9-15GL
#8 Lewis B (1-2)(Abcam)
CSA(EY Lab)
TAA-1
TAA-1
hGal-1-488+PGR
SMA
SNA
AAL
Ambo-C
CA19.9-9-426
Mp-5
PEL
PHA-L
SSL0488
MNA-M
Mono1-CON
GNL
LBL (Vector)
#15 Sialyl Lewis x
ABA
Microvicin
HML-Native
UDA
PTL-II
PTL-I
PHA-E
CA19.9-1215-LE
DSA
CnMBL
GNA (EY Lab)
Mono2-CON
PHA-L
WEL
Avarelectin
CTB
CSL
AOL (Mahal SRL)
SRL
Mono2-Man
Man
VVHA (Seikagaku)
NPA
WGA(Seikagaku Lab)
STL
Galectin-1
ME7(detected with a HUD)
HIA(EY Lab)
ME5(detected with a HUD)
Mouse Galectin1
CrSeal
CorA
TL(EY Lab)
WT-1-Leo
AAL
BTL
PBL-I
GPL-I
RCAI (Vector)
SCA
PAL
AAL
WT Galectin-8
CAA
Gal-3C
Gal-3C
EEA(EY Lab)
PHA-E
WGA mutant
human Galectin-7
VCEA
CorA
Gal-8-B4
Human Galectin1
mouse Galectin1
MGA
Gal-3

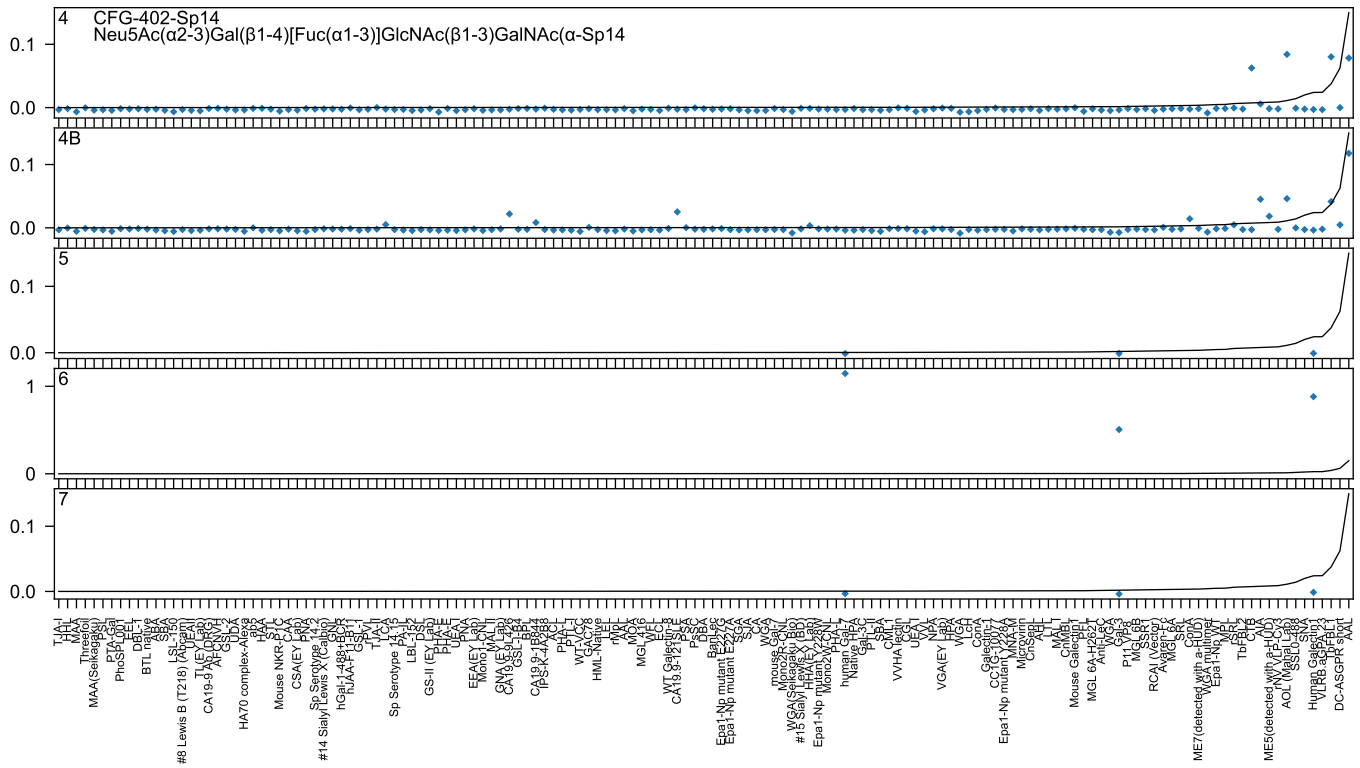

4
CFG-396-Sp20
Gal(α1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.2
0.1
0.0
2
0
SPA
MAA
WFA
PNA
PTA-E
PSL
PNA
LCA
TJA-I
TL(EY Lab)
PTA
Sp Serotype 14
ECL
GSL-I B4
GAL-6B
#14 Sialyl Lewis X (Abcam)
#11 Sialyl Lewis X (Abcam)
#8 Lewis B (1218) (Abcam)
BP
PHA-L
SBA
SNA
UEA-I
LEA
MNA-N
MGL-4.18
AAL
AAA
CONA
CONT
Mono28-CONA
Mono1-CONF
DSL
Threonin
PhoSPD
GNL
PSA
PsSC
Sp Serotype 14.15
CSA-1
Anti-Lac
AFCN
hGal-1 488-BCR
MGL 6A-H2001
CA19.9-1B844
WGA
CA19.9 Ab (DRG)
CA19.9 Ab (Fitzgerald)
HA70 complex(Galexis)
WT Galectin-8
PHA-E
Epa1-Np mutant E227C
S11
VLRB aGP7 A3
Epa1-Np mutant E227A
Epa1-Np mutant K258A
Epa1-Np mutant Y228W
CA19.9-121-SLE
LBL-152
Epa1-Np mutant Y228W
Gal-3
Mouse NKP-PTK
MAA(Seikagaku)
HHA
ISF-150
Microvirin
MGL
HPA
UEA
IPS-K-4A2B8
HML-Native
Epa1-Np
PSL
Epa1-Np WT
DBA
AHL
TJA-II
SSL0-1A8
MPL
EEA(EY Lab)
GSII (EY Lab)
rNV VLP
MGA
P11
VFL
VGA(EY Lab)
Native UDA
HPA
UDA
WGA
PEL
Avarrow-P11-B11
hJAA-P11-B11
rSP
Human Galectin1
GNA (EY Lab)
Human Gal-7
DC-ASGPR
mouse Gal-7
Monoza-V1-BNL
WGA(Seikagaku)
CTB
Galectin-1
Mouse Galectin-1
CGA
CrSGL
BTL native
WFL
MEF5(detected with a-HUD)
MEF7(detected with a-HUD)
AOL (Marine Pharm)
PAL
CC-GP-1004
ConA
RCA I (EY Lab)
TJA-I
AAL

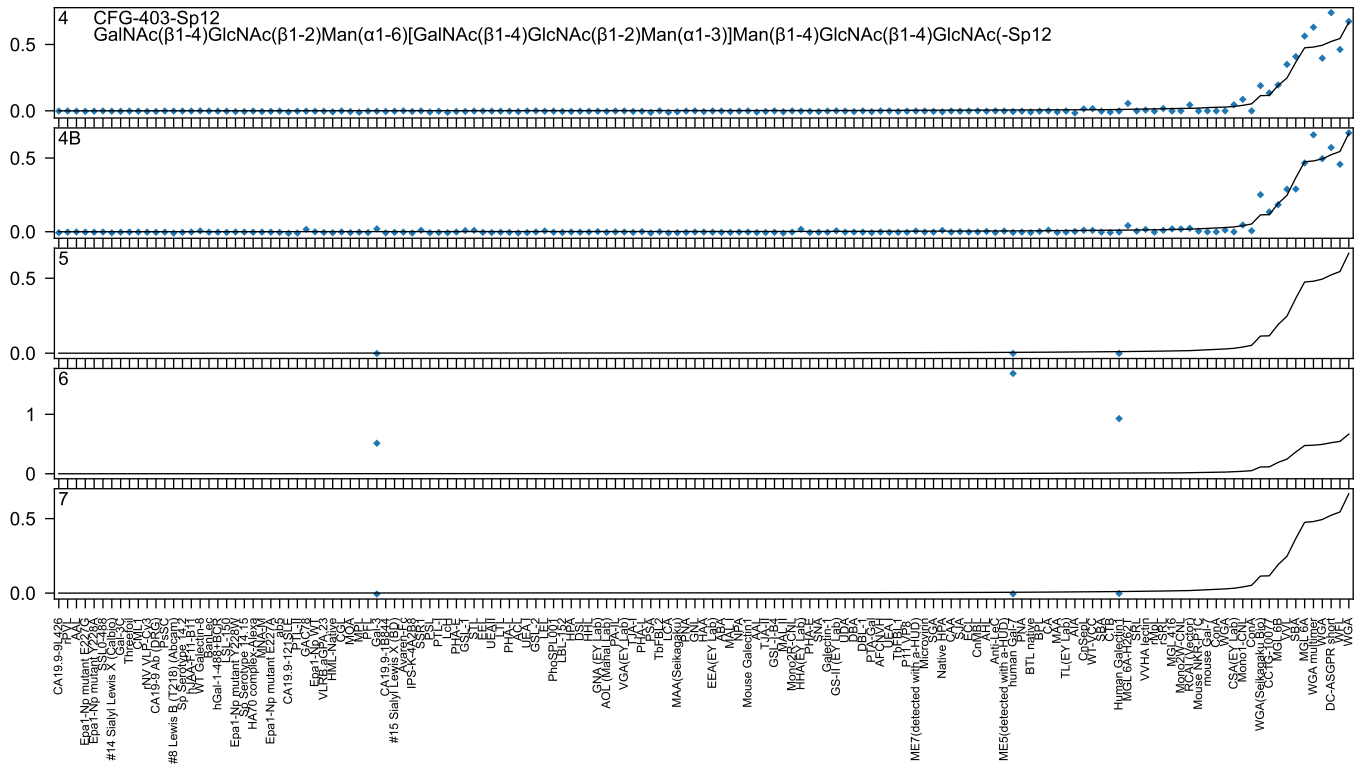

4
CFG-397-Sp20
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-
4B
5
6
7
0.5
0.0
2
0
MGL 6A-H2627
CA19.9-12(SLE
CA19.9-12(Lab)
VVHA
Bcn
PVL
HA70 complex-A
PAA
UEA
BPL
TL(EY Lab)
PHA-L
PHA-E
MAA(Seikagaku)
PNA
PHA-E
MAA
GS-II (EY Lab)
PAA
Epa1-Np wt
Epa1-Np mutant E226A
Epa1-Np mutant E226Q
Epa1-Np mutant D228Q
CA19.9-Ab
GALT
hGal-1-48
BPL-R
#14 Sialyl Lewis X (Calbiochem)
SSL-188
LSL-188
LSL-156
ME5(detected with a-HUD)
UEA
AFCNYH
hJAA-F11
hJAA-F11(Lab)
CTB
EEA
SNA
GSL-2
Thrombin
Mouse Galectin-1
GSL-1-B4
LCA
LEL
P11
VBL
CGL
CA19.9-9-A28
Mouse NKR-P1C
Sp Serotype 14
VVRB aGPA-23
#8 Lewis B (12 PhoSPG001)
RCA(Vector)
Sp Serotype 14.15
CSA(EY Lab)
SBA
IPS-K-4
VGA
DSL
EEA(EY Lab)
abo
ALM
MNA
DBA
Epa1-Np mutant E226A
WFA
#15 Sialyl Lewis X (Glycotech)
NPL
MPL
VGA(EY Lab)
AOL (Marine Lab)
LTA
GNL
DBL-1
Microcystin
TJA-II
TJA-I
ME7(detected with a-HUD)
CC1G-10
SNA
GNA
WGA(Seikagaku Biol)
WFL
Galectin-1
Galectin-3
GNX
Ayurveda-Fc
Morus-R-LBD
PNL
ConA
HHA(EY Lab)
human Gal-7
WGA
WGA
BTL
WGA
mouse Gal-7
Human Galectin1
PSAP
MGL 418
MGL 419
CPA
SSA
SSB1
MOKBA
PDFBL
PDFBL2
Mono2WCGA
rNV Galectin-8
rNV VLP
SSB
Mono1
PTL-I
SSL
WGA
HPA
HPA
DC-ASGPR
Native HPA
WGA multimer

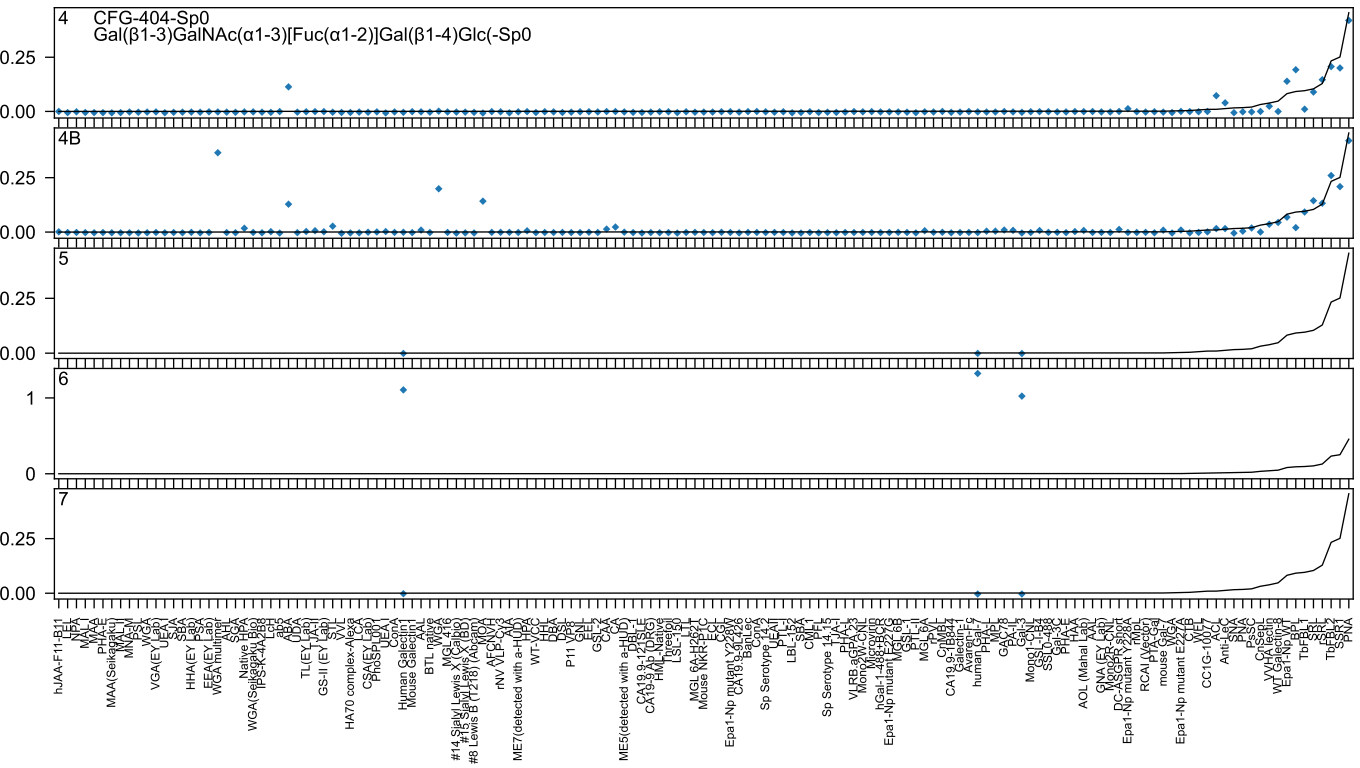

4
CFG-398-Sp20
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp20
4B
5
6
7
0.5
0.0
2
0
MGL 6A-H(267)
KVA
MAA(Seikagaku)
PNA
BSE
PHA-L
RCAI (Vector)
TJA-I
UDA
HA70 complex-Aleg
ABA
Mono2W-CNL
SBA
VGA(EY Lab)
ME5(detected with a-HJD)
#15 Sialyl Lewis X (BD)
Sp Serotype 14
Epa1-Np mutant X229A
GS-II (EY Lab)
hJAA-F11-B17
Mono1-VGA
Mouse Galectin-8
Mono2R-CNL
AAL
Mouse NK-1
PEA1
Epa1-Np mutant P122A
VHH aGFA 23
CA19-9 Ab (D)
#8 Lewis B (T218) (Abcam)
hGal-1-488+BCR
CSA(EY Lab)
CA19-9-Ab
CA19.9-9-DBA
MGL 416
SSL1-488
IPS-K-488
Epa1-Np mutant X229A
Epa1-Np mutant Y229A
CA19.9-1-21SLE
Epa1-Np WT
HML-Native
Native HPA
PNA
CC1G-T007-7
LBL-Mp
#14 Sialyl Lewis X (Cabio)
AOL (Mahal Lab)
MAL II
WGA(Seikagaku Bio)
wt-SCCL
PhoSL-Ast
Microvirin
Con A
PTL-I
DC-ASGPR-Fc3
GNA (EY Lab)
TL(EY Lab)
ME7(detected with a-HJD)
NPA
Galectin-1
BanLec
GNL
PFL
GRA(KT)
BTL native
PNA
HHA(EY Lab)
Human Galectin-1
Avarecin
VGA
PTA-Sga
EEA(EY Lab)
Con A
SLA
PSL
GSL-I-B4
WGA multimer
WT Galectin-8
human Gal-1
CAA
mouse Gal-1
MOA

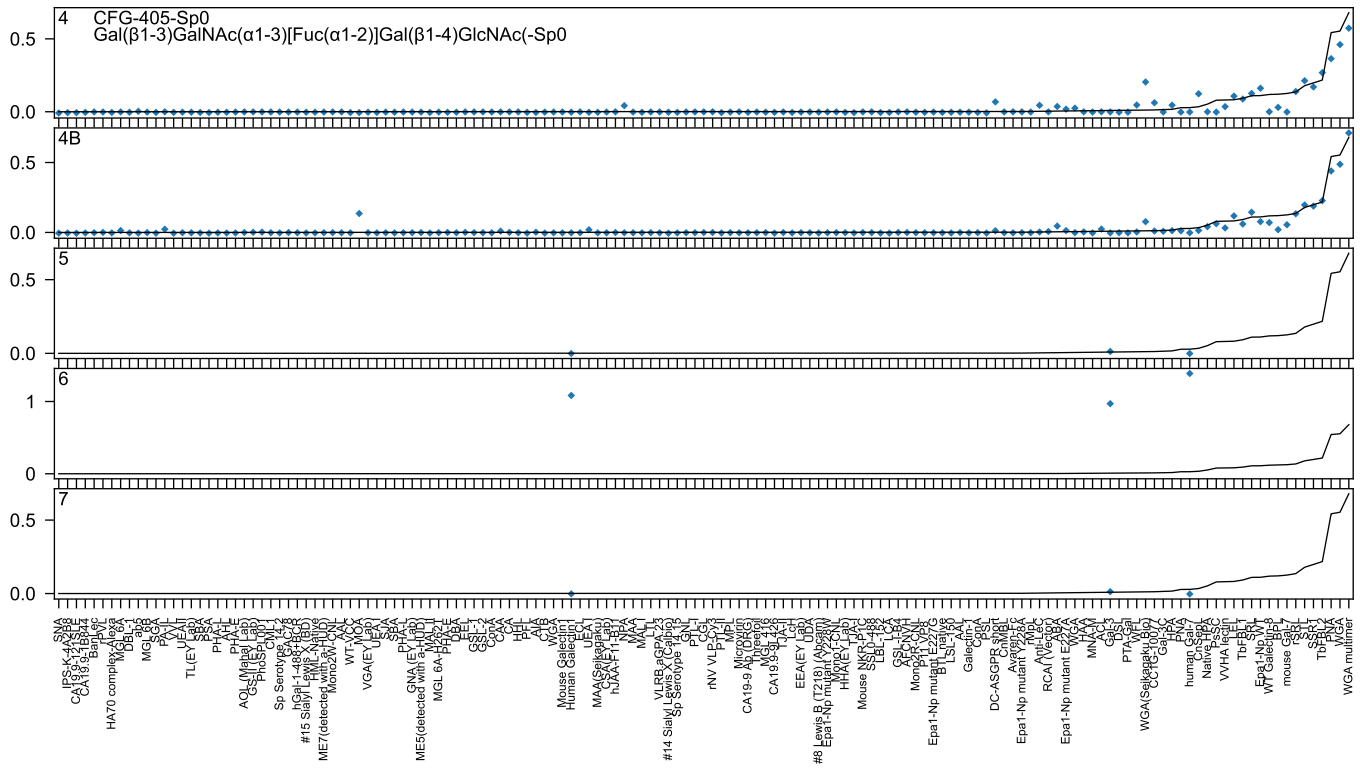

4
CFG-400-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.2
0.1
0.0
1
0
MGL 6A-H2027
AGA
AOL (Mahal Lab)
aiis
Microp
PS-C-CA2288
CA19.9-18844
Gal-3
Ban Lec
GS-II(EY Lab)
PVT
DSL-68
MGL
SSA
WGA(Seikagaku)
Native PNA
PAL
UEA
DBA
MGL
EEA(EY Lab)
GNA (EY Lab)
Epa1-Np WT
Epa1-Np mutant
BanSP7007
CA19-9 Ab
CD1
CD15
Sp Serotype 14-2
Sp Serotype 14-3
Sp Serotype 14-5
BTL
#14 Sialyl Lewis X(BD)
#19 Sialyl Lewis X(BD)
#8 Lewis B (Abcam)
#9 Lewis B (detected with a-HUD)
ME5(detected with a-HUD)
MGL 4-18
WT-MOX
VGA(EY Lab)
MVA-M
VGA(EY Lab)
SNA
PNA
TL(EY Lab)
hJAA-F11-B11
Mono2R-SNL
B11
VP8
NEA
PSL
LCA
CSA(EY Lab)
HPA
CAA
OPA
GNL
EEL
GSII
Mono2W-SNL
MAL
PHA-E
PHA-L
ECL
PWGA
Gal-C
Gal-N
Mouse NK-RBTC
GSL
Mono2W-SNL
TAL
human Gal-7
CA19.9-17
Con A
WT Galectin-8
VLRB.aGPA.33
Epa1-Np mutant
hGal-1-488-PBCF
CC1G-10057
Epa1-Np mutant E-27B
Threefold
Mouse Galectin1
Avarell-Fc
rNV VLP-Cy5
AECNVH
LSL-A
AAL
HA70 complex-Alexa
VIT
Epa1-Np mutant Y228A
RCA1 (Vector)
Sialic
BPL
Ac2
GSL-I-LeC
Anti-LeC
Tb-BLT
WGA mutant
Galectin-1
mouse Gal-4
SRL
Human Galectin-1
HHA(EY Lab)
SNA
SSLO
MPL
MSL
MAA(Seikagaku)
DC-ASGPR
TcFBP2
AIA

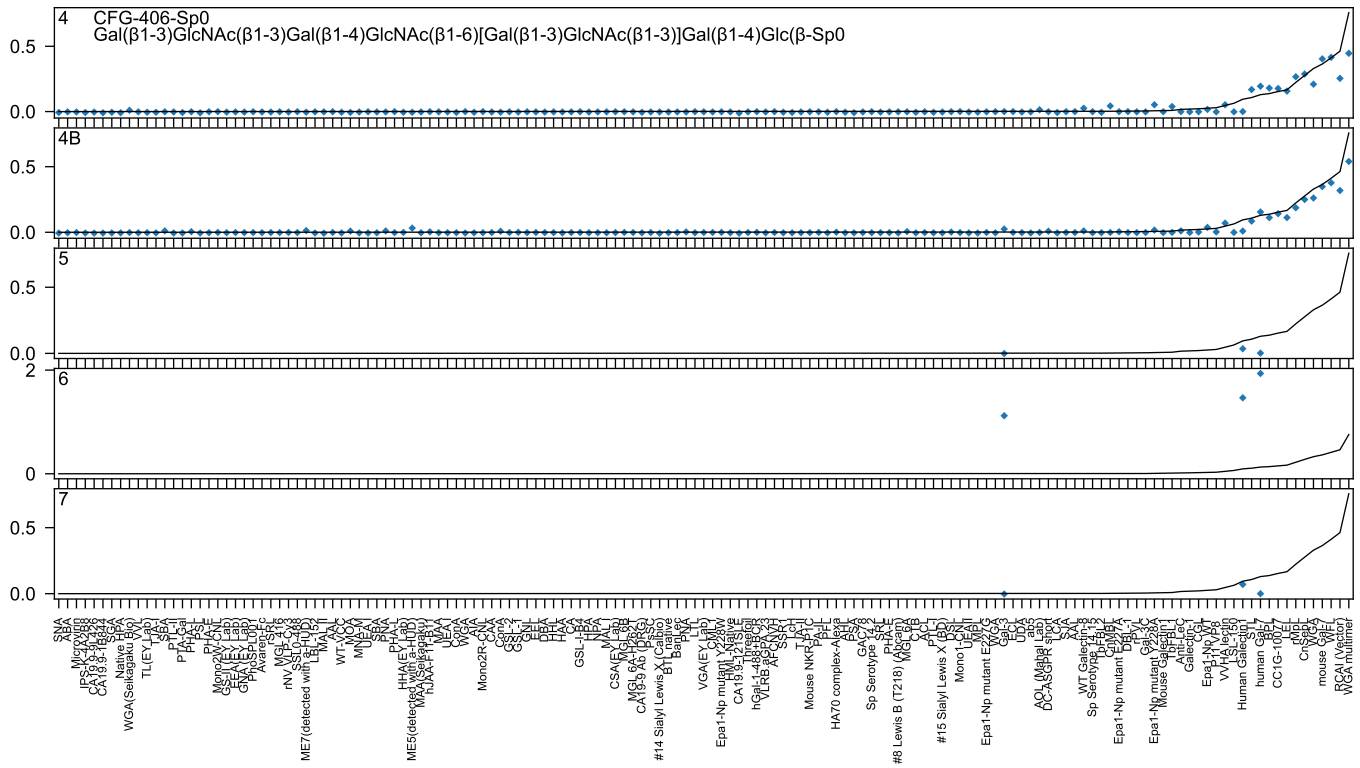

4
CFG-401-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.25
0.00
1
0

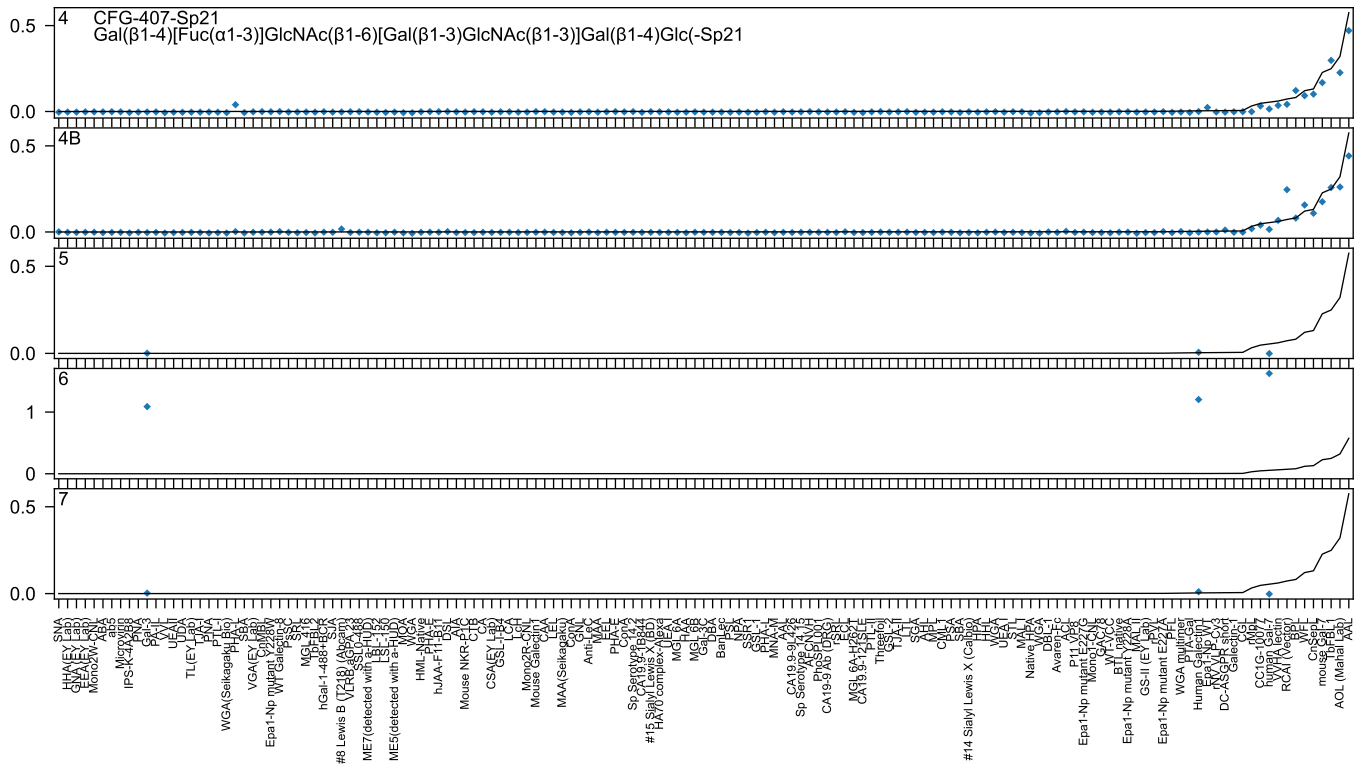

4
CFG-402-Sp14
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.1
0.0
1
0

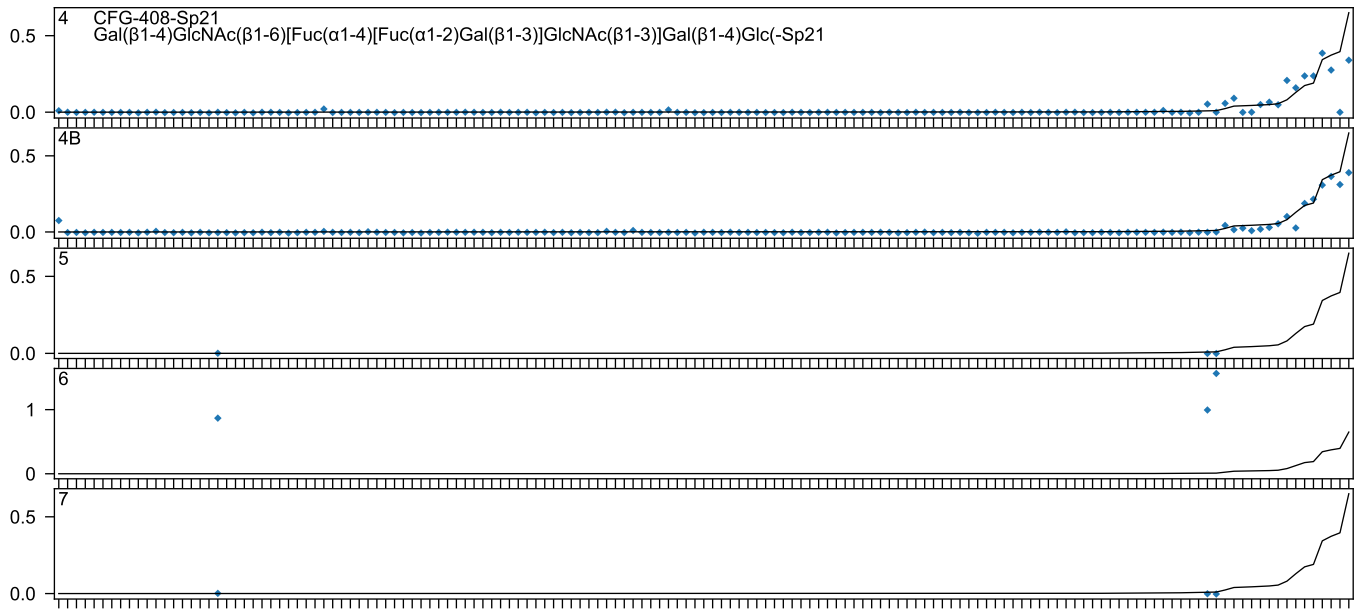

4
CFG-403-Sp12
GalNAc(β1-4)GlcNAc(β1-2)Man(α1-6)[GalNAc(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.0
0.5
1
CA19.9-9L42B
EAC
AAL
Epa1-No mutant E227A
Epa1-No mutant E226A
#14 Sialyl Lewis X
SSL-G488
GalNAc
mcevoy
CTB
CA19-9 Ab
(pSSL)
CA19-9 Ab
#8 Lewis B (T218) (Abcam)
SNA
SAA
PF1-B11
WT Galectin-3
hGal-1-488-hGGB
Epa1-No mutant E227A
Epa1-No mutant E226A
SS Serotype 14-15
HA/O complex
MAA
Epa1-Np mutant E227A
CA19.9-12-SLE
GAC-1
Epa1-No WT
VLS-Man
HMLN-Man
CGL
MPL
PF1
#15 Sialyl Lewis X
CA19.9-1-BB44
CA19.9-1-BD
IPS-K-142B8
BSI
PTL-I
PHA-E
GSL-I
EEL
UEA-II
PHA-L
PHA-L
UEA-I
GSL-II
PhoSP-001
LBL-HPA
DSL
DSL
GNA (EY Lab)
AOL (Mahal Lab)
VGA(EY Lab)
PHA-L
PSA
PSA
TbpB-FBC
BCA
MAAA(Seikagaku)
GNL
HAA
ABA
MNA
Mouse Galectin-1
TJA-I
TJA-II
GSL-I-B4
WGA
Monoclonal
HHA(EY Lab)
PJ-LAB
SNA
GS-I(EY Lab)
Galectin-1
UDA
DBP-1
PNA
AFA-Gal
UEA-I
TIA
PTA
ME7(detected with a-HUD)
MicroSGA
Native HPA
SJA
SJA
CnNE
ABL
ME5(detected with a-HUD)
human Galectin-7
BTL native
BCA
MAA
TL(EY Lab)
LAA
OnSepo
WT-SBA
SBA
CTB
Human Galectin-1
MGL GA-H2021
SNL
VVHA
KML
MGL-1318
MGL-V-CNL
MonoRA-V-CNL
Mouse NK-PTC
mouse Gal-7
WGA
CSA(EY Lab)
MoNS
CGA
WGA(Seikagaku)
CCL-1(0072)
CCL-1
MGL-6B
SBA
MGL-6A
WGA mutant
WGA
DC-ASGPR
WFL
WGA

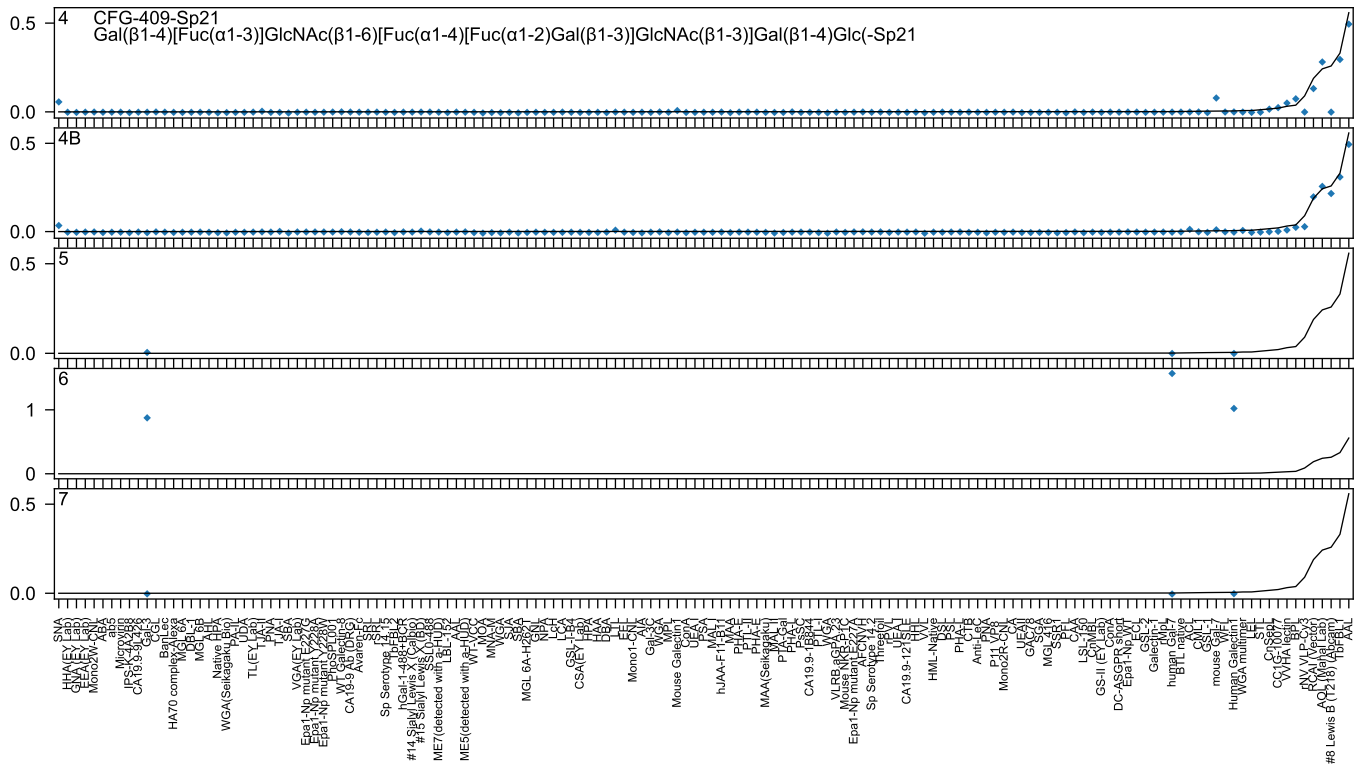

4
CFG-404-Sp0
Gal(β1-3)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)Glc(-Sp0
4B
5
6
7
0.25
0.00
1
0

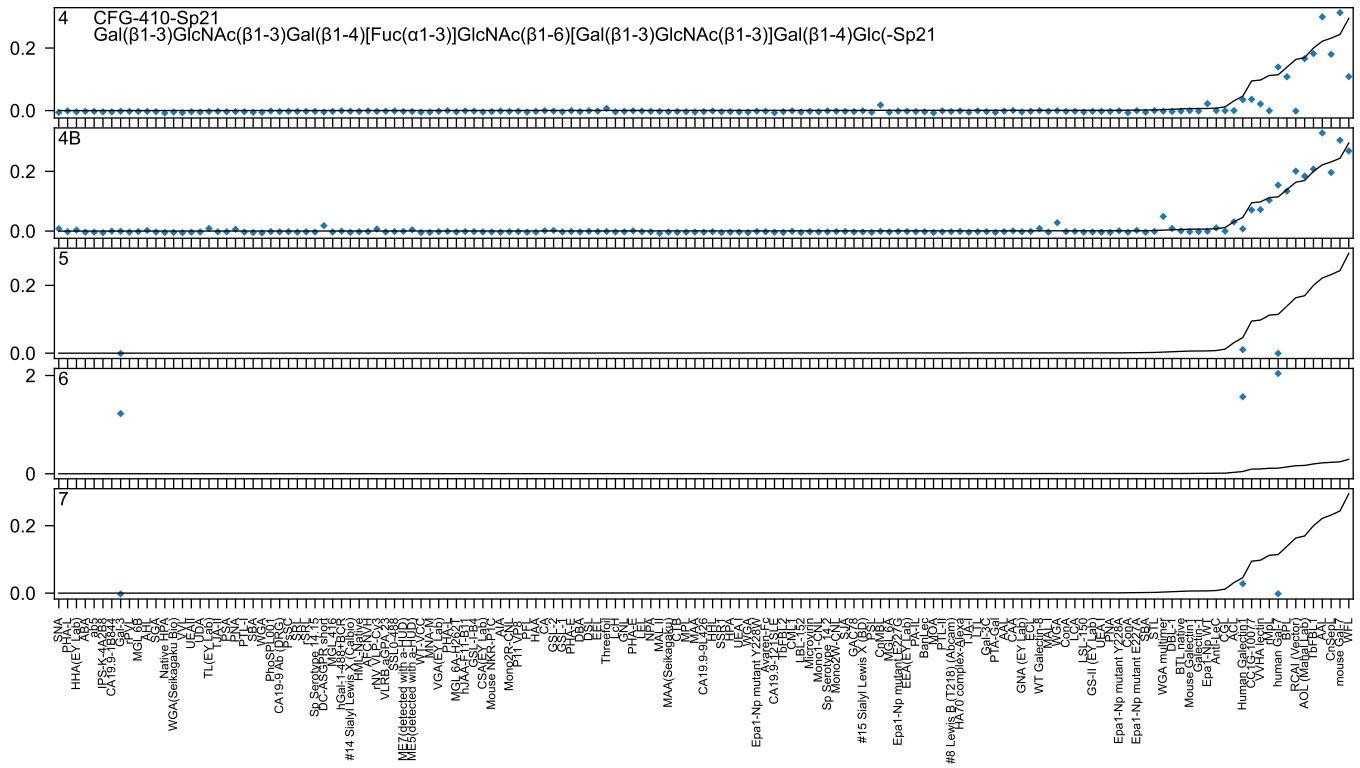

4
CFG-405-Sp0
Gal(β1-3)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
IPS-K-4-2
CA19-9 (ZBS)
CA19-9 (ZBS)
Bat-1
Bat-1
HVL
HA70 complex
MGL6A
MGL6A
Dia-1
MGL-88
PNGA
VVL
VVL
UEA
TL(EY Lab)
SBA
SBA
PHA-L
PHA-L
PNA
PNA
AOL (Malaba Lab)
GS-II
PhoSL (Lab)
CML-1
Sp Serotype 14
CA 678
#15 Sialyl Lewis X
1-48 (BD)
FMM-Native
ME7(detected with AVL)
Wonder AVL (Q)
AAL
WT-AAL
MOA
VGA(EY Lab)
UEA
STA
SNA
PNA
GNA (EY Lab)
ME5(detected with AVL)
MGL 6A
PNA-2
PNA-2
DBA
DBA
SBT
GSL-2
GSL-2
CVN
CVN
HPA
PE
PE
ACA
ACA
ACA
WGA
WGA
Mouse Galectin-1
Human Galectin-1
UEA
UEA
MAAA(Seikagaku)
CSA-1 (Lab)
hJAA-F11 (Lab)
NPA
MAL-1
MAL-1
VLRB aGP
Lewis Y (Calbiochem)
Sp Serotype 14
#14 Sialyl Lewis X
LTL
LTL
PGL-1
PGL-1
CG
CG
rNV VLP
PTL-II
PTL-II
Mpl
Mpl
Microtubin
CA19-9 Ab (DRG)
Microtubin
MGL-419
CA19-9 (Lab)
CA19-9 (Lab)
LCA
LCA
EEA(EY Lab)
EEA(EY Lab)
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E227G
HHA(EY Lab)
HHA(EY Lab)
Mouse NKR-P1C
SSL-488
SSL-488
SSL-1
SSL-1
CPCNP74
Mono8R (CNI)
Epa1-Np mutant E227G
BTL (Lab)
BTL (Lab)
LSL
LSL
AAL
Galectin-7
PSL
PSL
DC-ASGPR
CaMBL
CaMBL
Avarol-E
Epa1-Np mutant T90A
T90A
Avarol-E
RCA (Vector Lab)
ABA
ABA
Epa1-Np mutant E227A
E227A
HAA
HAA
MNA
ACL
ACL
GalS
GalS
PTA
Jacalin
WGA(Seikagaku)
UEA
CCTG-10077
Galectin-1
HPA
HPA
PNA
PNA
human Galectin-3
CnSepl
Native-PEA
VVHA lectin
TbPBET
TbPBET
Epa1-Np SDT
Epa1-Np SDT
WT-Galectin-8
mouse Galectin-8
BP
BP
SSA
SSA
SSAT
SSAT
TbPBL2
TbPBL2
WGA
WGA
WGA multimer

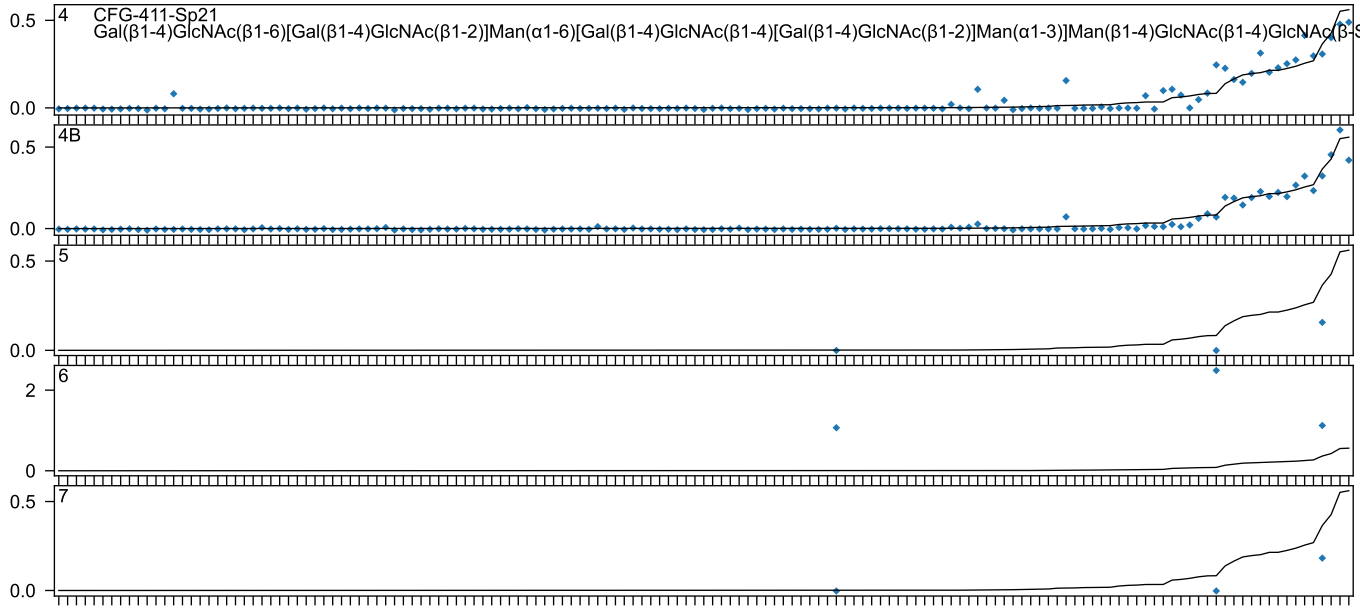

4
CFG-406-Sp0
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
2
0
SNA
SSA
Microvilin
IPSC-1-91498
CA19.9-18844
Native PHA
WGA(Seikagaku Bio)
TL(EY Lab)
SBA
PTL-I
PHA-E
PSA
PNA
Mono2W-CNL
GSL-I-B4
GNA(EY Lab)
PHA-L
Avarum Fc
SRL
MGL
rNV VP-CY3
SC-1-HUB
ME7(detected with a-HUB)
LBL-1
MAL-I
WT-XCC
MNA-M
UEA
PNA
PHA-L
HHA(EY Lab)
ME5(detected with a-HUB)
MAL-II
hJOX2-FP-B11
UMA
ACA
VGA
Mono2R-CNL
CPA
GSL-2
GNL
DSA
LEL
HPA
GSL-I-B4
NPA
MAL
CSA(EY Lab)
RCA-SB
MGL
CA19.9-1(TRG)
PsSC
#14 Sialyl Lewis X (Native)
BT Cellular
Barley
LTA
LTL
VGA(EY Lab)
Epa1-Np mutant Y228W
CA19.9-21(SIVE)
hGal-1-Fc(Recegal)
VLRB-aGPA-33
AF-SNA-1
STL
TJA-I
Mouse NKR-P1
PAA
HA70 complex-Alexa
ABL
GAC78
Sp Serotype 4&7
PHA-E
#8 Lewis B (T218) (Kraeg)
MOR
CTB
PTL-I
#15 Sialyl Lewis X (BD)
Mono1-CNL
UEA
Epa1-Np mutant E227G
Gal-3
UDA
abs
ACL (Matsu Lab)
DO-ASGPR (Spot)
LCA
SJA
WT Galectin-8
Sp Serotype 1&3
Epa1-Np mutant D-PBL-2
DBL-1
F-1-C
Epa1-Np mutant Y228A
Mouse Galectin-1
Anti-Lec
Galectin-1
CGL
Epa1-Np WT
VVH-HA (epip)
Human Galectin-7
STL
human Gal-8
BP
CC1G-10027
PML
Cnidaria
mouse Gal-7
RCAI (Vector)
WGA multimer

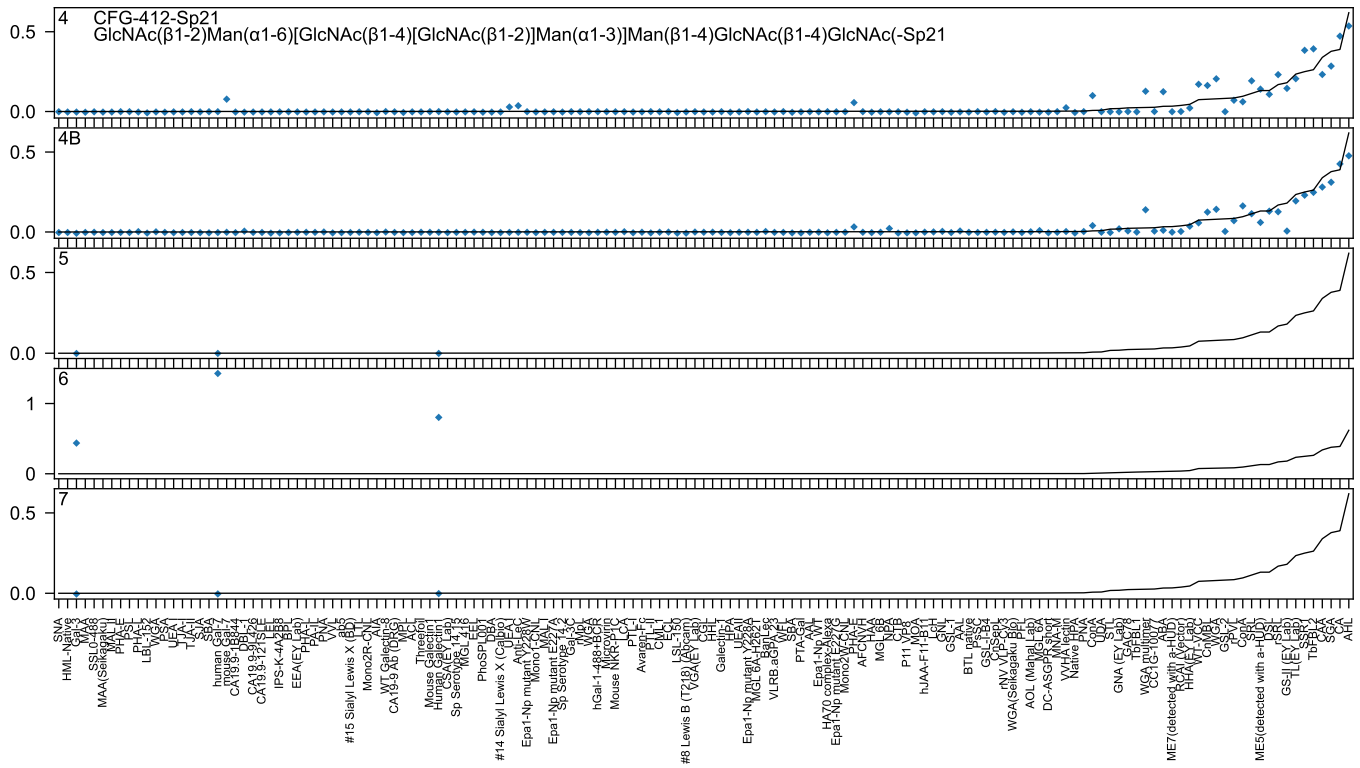

4
CFG-407-Sp21
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
SNA
HHA(EY Lab)
GNA(EY Lab)
MonoCAV-CRD
ABA
Microvigin
IPS-K-4
PSA
Gal-3
PVL
UEA1
TL(EY Lab)
PNA
PTL-I
WGA(Seikagaku)
HPA
VGA(EY Lab)
SBA
Epa1-Np mutant V228W
WT Galectin-1
PSA-C
STA
MGL-1
DTFBL2
hGal-1-488+EDA
SJA
#8 Lewis B (7418) (Abcam)
VEA
ME7(detected with a-HUD)
LSL-150
ME5(detected with a-HUD)
WGA
HML-PHA
hJAA-F11-B11
AAL
Mouse NKR-CTB
CA
CSA(EY Lab)
GSL I-B4
LCA
Mono2R-CRD
Mouse Galectin-1
LEL
MAA(Seikagaku)
GNL
Anti-MOG
MAX
PHA-E
Con A
Sp Serotype 9
Sp Serotype 14
#15 Sialyl Lewis X (BD)
HA70 complex-UEA1
MGL-6A
MGL-6B
Gal-8X
Banlec
NPA
SSR1
PSA-I
MMA-M
CA19.9-9.428
Sp Serotype 4
Sp Serotype 23
CA19-9 Ab (R&D)
PhoSL
CA19-9 Ab (Santa Cruz)
MGL 6A-HRP
CA19.9-1.2
Thrombin
GSL-I
TJA-II
SGA
MPL
CAA1
SBA
#14 Sialyl Lewis X (Calbiochem)
TJA-I
UEA1
WGA
STL
Native HPA
DBA
Avarol-Fc
P11
Epa1-Np mutant E227G
Mono2A-CRD
WT-DCC
Epa1-Np mutant V228A
BPL
Epa1-Np mutant Y229A
GS-II (EY Lab)
PVL
Epa1-Np mutant E227A
WGA multimer
Human Galectin-1
RCA120
DC-ASGPR short
Galectin-1
CG1
CC1G-1007
human Gal-7
AAL (Vector)
RCA (Vector)
BPL
PNA
Con A
mouse Gal-7
AOL (Marine Lab)
AAL

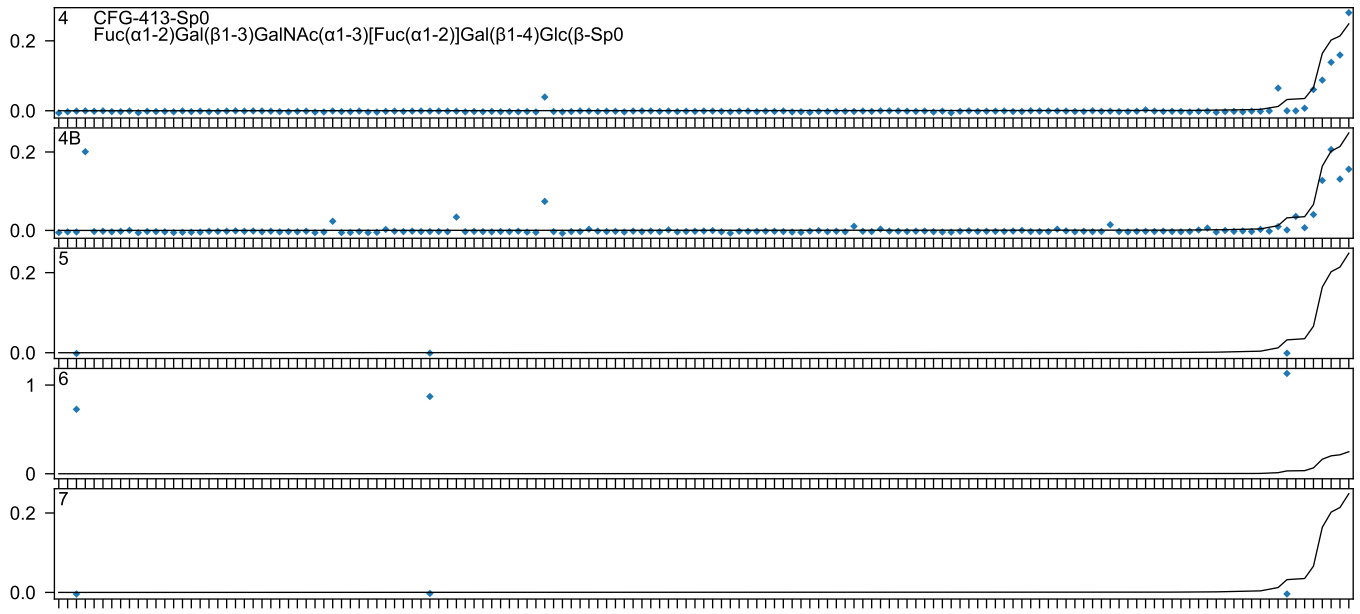

4 CFG-408-Sp21
Gal(β1-4)GlcNAc(β1-6)[Fuc(α1-4)[Fuc(α1-2)Gal(β1-3)]GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.0
0.5
1
SNA
SNA
DBL-1
VGA
VGA
VGA(EY Lab)
MAL
MAA(Seikagaku)
SSA
PSL
PTA
PTA-Gal
PHA-L
PNA
PHA-E
PHA-L
Gal-3
CA19-9 (Abcam)
PSA-CA125
ABA
Neu5Ac-CNA
Mono2Ac-CNA
PCA
VVL
EEA(EY Lab)
TL(EY Lab)
UEA-I
GS-II (EY Lab)
GS-II (EY Lab)
MMA-M
Acl
Mouse NK-P1C
CSA(EY Lab)
Mono1-CNL
TSA
Pal
hGal-1-488
Sp Serotype 14-13
Mouse Galectin-8
ME7(detected with a-HUD)
PhoSL-001
Epa1-Np mutant E-220
CnnB
ME5(detected with a-HUD)
#15 Sialyl Lewis X (Calbiochem)
GNA (EY Lab)
ralS
WT Galectin-8
CA19-9-IB244
GS-I-B4
Sp Serotype 14-13
#14 Sialyl Lewis X(Calbiochem)
PNA
DAE
UEA-I
CA19-9 Ab
MOA
PeSC
MGL 6A-H2267
Epa1-Np mutant E-220
TKA-1
VRA
CA19.9-NGA
Avarom-F6
APCNVH
MGL 4A-F
Epa1-Np mutant Y228W
CSBRT
Mono2-CNL
HML-Nm
HHE
MGL 6A
MGL 6A
CAA
DC-ASGPR sol
SBL
PSA
UEA-I
MGL 6A
HKA(EY Lab)
hJAA-F (EY Lab)
GSL-1
TbPBL
MGL 6B
Epa1-Np mutant Y228A
GSL-1
WGA(Seikagaku Bio)
AmLec
CoNL
Bandlec
WGA
Galectin-1
BTL mutant
ODA
CGA
Epa1-Np WT
rMpL
Human Galectin-1
mouse Gal7
rNV VLP S-A
WFL
C-10077
VVHA lectin
AOL (Maghalia)
LEL
AAL
RCA(I) (Vector)
#8 Lewis B (Abcam)
WGA multimer

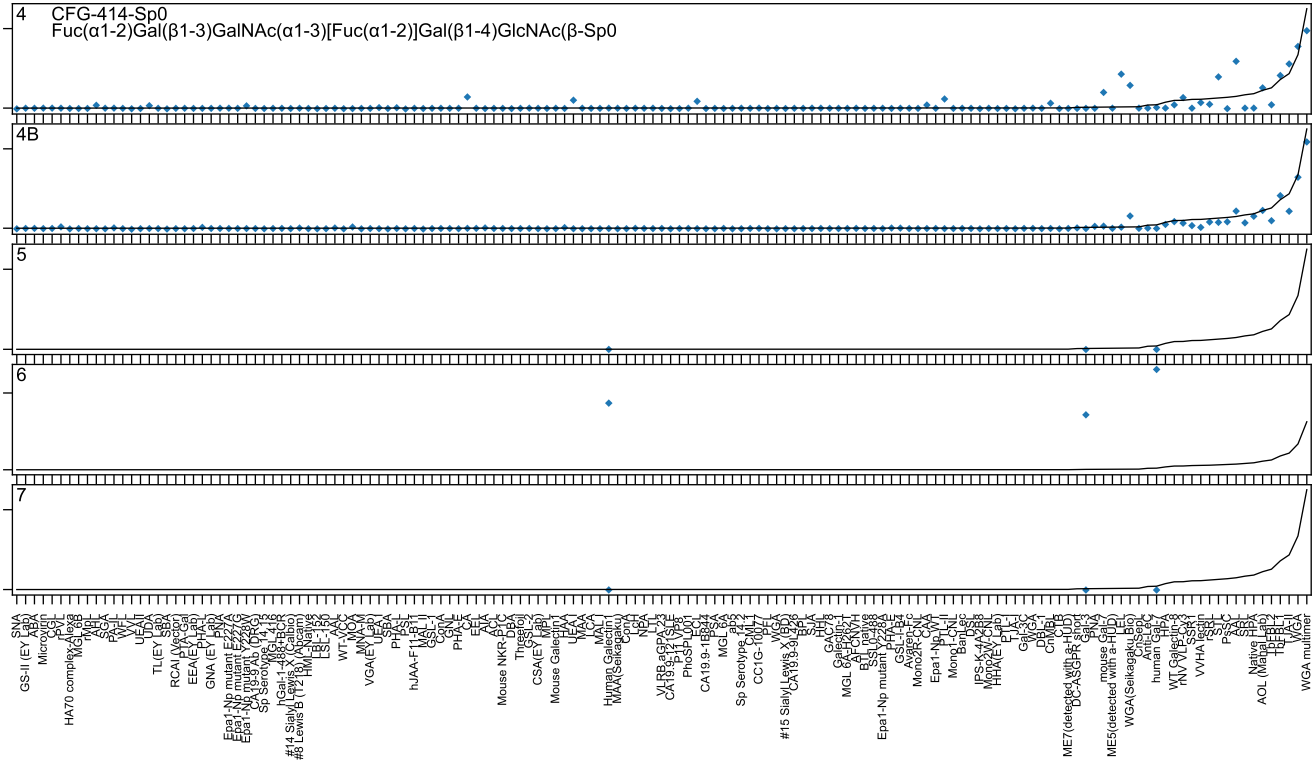

4
CFG-409-Sp21
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Fuc(α1-4)[Fuc(α1-2)Gal(β1-3)]GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
DSA
HHA(EY Lab)
GNA(EY Lab)
MonoCAV-CN
ABA
ABA
Microvigin
LBL
CA19.9-Lectin
GalC3
GalC3
Bau Lac
HA70 complex
Alexa
MAA
DBL1
MGL
LBP
Native
PHA
WGA(Seikagaku Lab)
UDA
TL(EY Lab)
TL(EY Lab)
PNA
TJA
VGA(EY Lab)
SBA
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Epa1-Np mutant S230T
Epa1-Np mutant S230T
WT Galectin-8
CA19-9
Avarelin-C
CA19-9
Sp Serotype 14
SBL
Sp Serotype 14
hGal-1 489-FBC
#14 Sialyl Lewis X (Carbio)
# 13 Sialyl Lewis X (Carbio)
ME7(detected with 3a-HUD)
ME5(detected with 3a-HUD)
LBL
AAL
WT MOA
MMOA
MMOA
SSA
SSA
MGL 6A-H2B3
GNL
GNL
LCA
LCA
GSL I-B4
CSA(EY Lab)
HPA
HPA
DBA
DBA
EEL
EEL
Mono1-CN
ACL
Gal-3C
WPA
Mouse Galectin1
UEA1
UEA1
MAL
MAL
hJAA-F11-B1
PNA
PNA-B
PTL-I
PTL-II
Bauhinia
MAAA(Seikagaku)
MAA-II
PHA-E
PHA-L
CA19.9-FBS34
PHL
VLRB.aGPA 3-3
Mouse NRS-P1C
Epa1-Np mutant Y228A
AF-CNVH
Sp Serotype 14.2
Tri Ser
TEL
CA19.9-12-TEL
UDL
UDL
HML-Native
PSL
PSL
PHAE
PHAE
Anti-LTB
P11
PNA
Monoc2R-CN
UEA
GAC78
SCA6
MGL-3
SSA6
SSA7
CAA
LSL-160
Galectin-1
GS-II (EY Lab)
ConA
DC-ASGPR
ConA
Epa1-Np WT
Epa1-Np WT
GSL-2
Galectin-1
human Gal-7
BTL native
CGL1
Gal-7
mouse Gal-7
WFL
Human Galectin7
WGA mutant
LEL
LEL
CnnB
CCUFA 10077
BPL
BPL
RNA V Vc-CY3
AOL (Melal Lab)
AOL (Melal Lab)
#8 Lewis B (12.18) (Carbio)
PHBPL
AAL

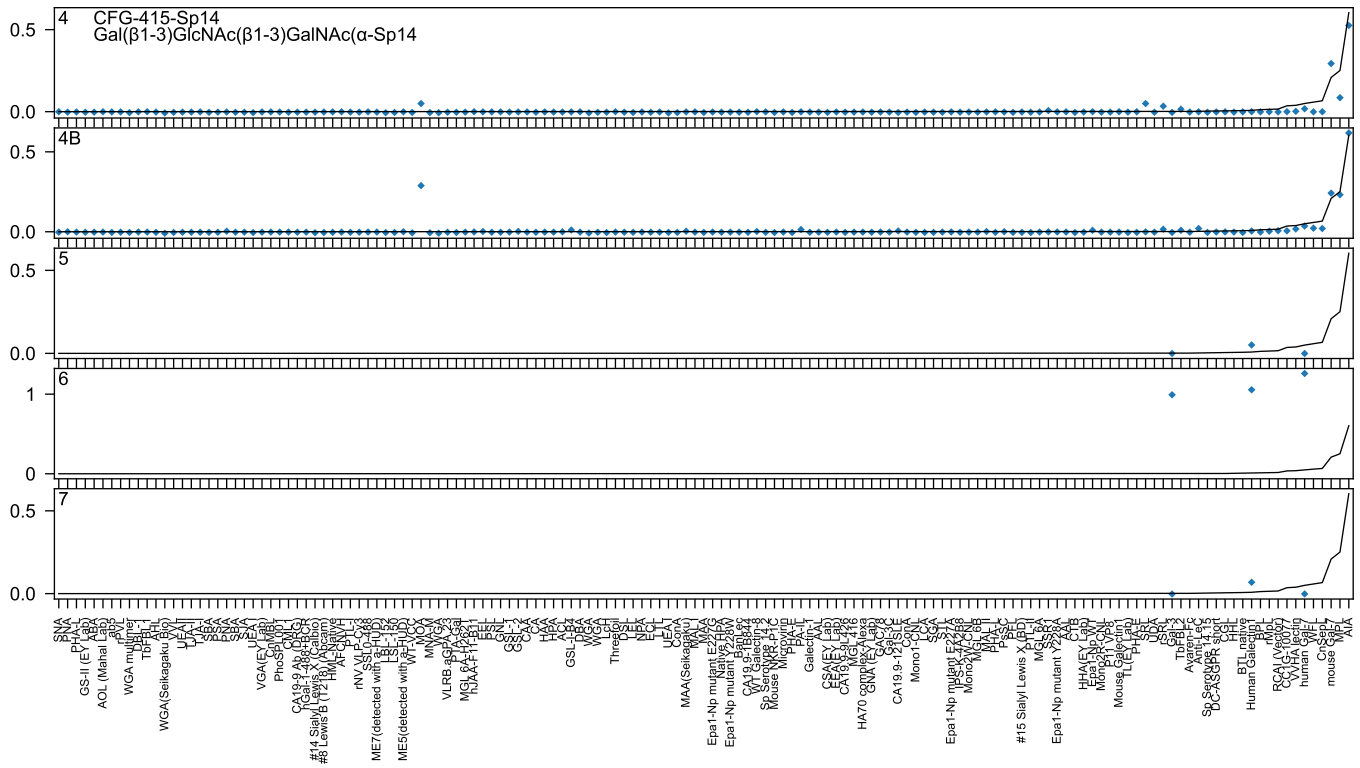

4 CFG-410-Sp21
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.0
0.2
0
2

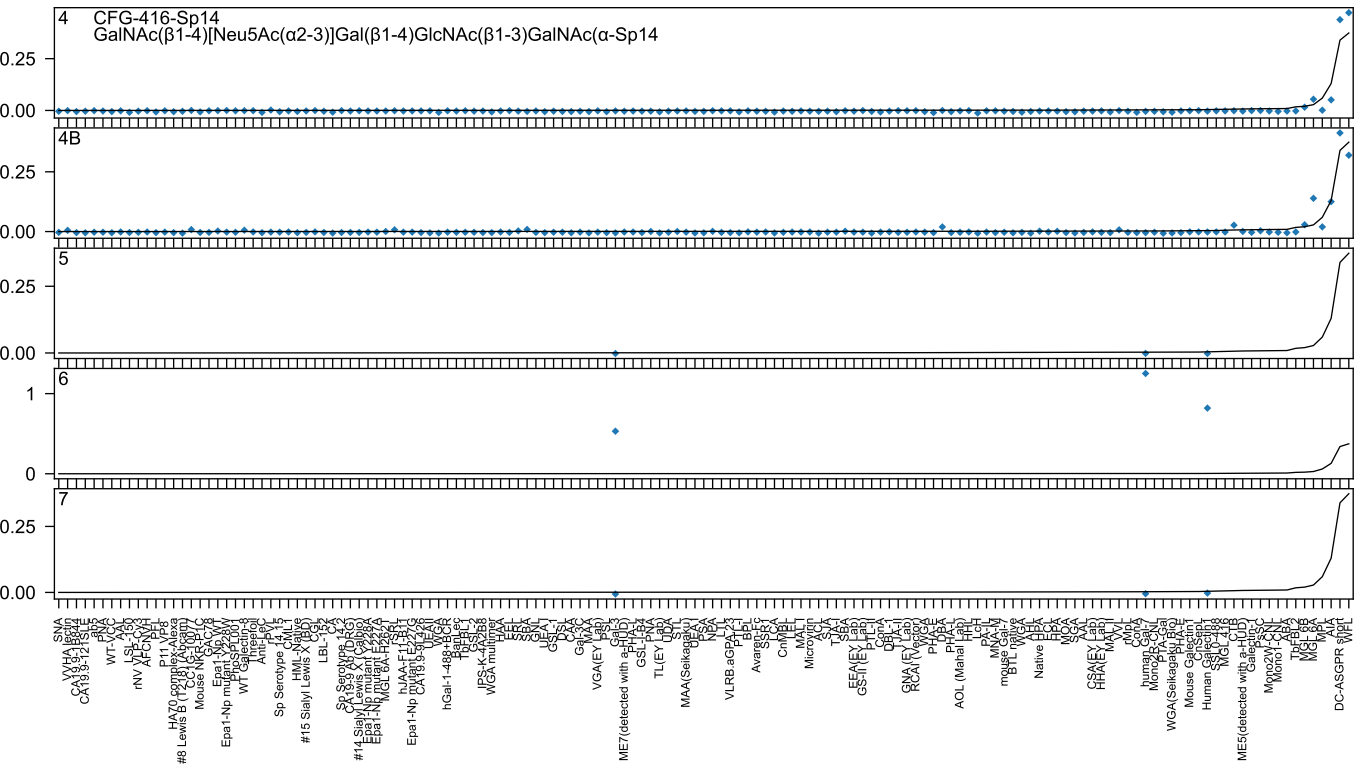

4
CFG-411-Sp21
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-4)GlcNAc(β1-4)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-S
4B
5
6
7
0.5
0.0
2
0
SNA
GS-II(EY Lab)
CNL
Mono2W-CNL
ABA
Microgen
PS-1-Ab882
CA19-9-Ab
MGL-6A
DSA
GS-I
Native-PHA
PHA
TJA-I
UEA-II
TJA-II
PTL-II
PTL-I
EEA(EY Lab)
PNA
ANA
SBA
Epa1-Np mutant E2
ProSPLOO1
Avarp-Fc
PSL
Sa Serotype 14-2
Sa Serotype 14-3
DC-ASGPR-Fc
GAL8
CA19-9
TcBL5
TcBL2
#8 Lewis B (Y218) (Abcam)
VCAM-1-Fc
SSL7-168
ME7(detected with a-HUD)
ME5(detected with a-HUD)
VGA(EY Lab)
#14 Sialyl Lewis X (Calbio)
MGL-6A-Hu2
hJAA-F11B11
GSL-1
CBL
AIA
Mouse NKR-P1
C1B
DBA
GSL-I-B4
UEA
P11
VFB
MALL
MCH
Anti-Leg
Sa Serotype 14-15
Epa1-Np mutant E2-15
ACL
Mono2-PTCL
MGL-6B
#15 Sialyl Lewis X (Sigma)
LEA
AFCO-1
CA19-9-426
CA19.9-12
SLE
CMLT
CA19-9 Ab (DRG)
CA
HAA
TAA
nV Ox3
HIP
PNA
MGL-1E
Mono1-CNL
GalP3
GNA
HML-Native
Epa1-Np mutant Y228A
Epa1-Np mutant Y228W
SJA
Thrombin
PWM
MAAA(Seikagaku Bio)
WT Galectin-3
SSL-159
hGal1-488-BCR
HA70 complex-NeuA
AOL (Mahal Lab)
CnNBL
WGA(Seikagaku Bio)
GNA(EY Lab)
BTA
MAA(EY Lab)
CoPA
VSA
SSA
BanLec
UDA
LBL-I-B2
TBL-I-B2
BPL
Mouse Galectin-1
PFL
PFT
Galectin-1 wt
Epa1-Np wt
HHA(EY Lab)
WGA multimer
VVHA (Seq)
hum Ig
CC1(EY Lab)
CAA
CSA
ECL
CPA
mouse Sig-A
PCA
Human Galectin1
RCA(I (Vector)
AHL

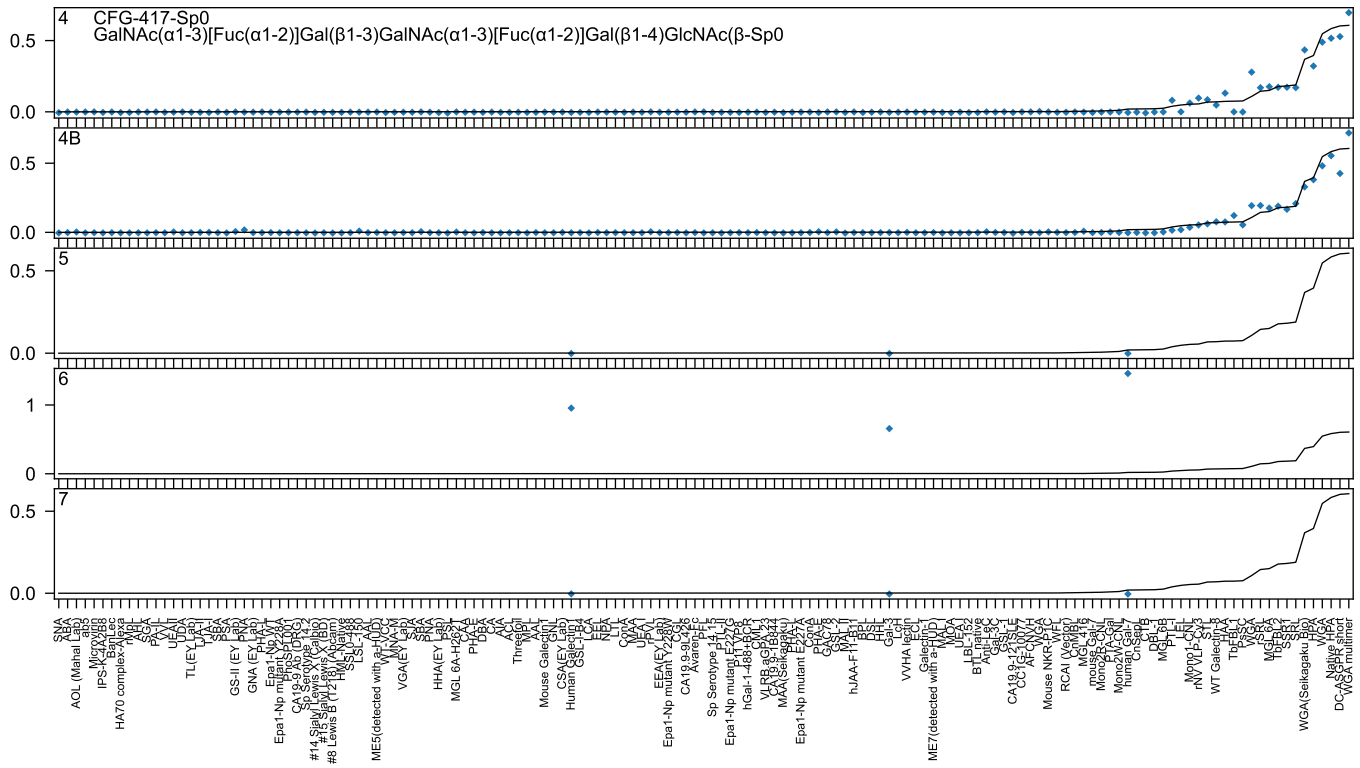

4
CFG-412-Sp21
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)[GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SMA
HML-Neuro
Gal-3
SSL-100
SSL0-486
MAA(Seikagaku)
PNA
PHA-E
PHA-L
LBL-152
VVA
PSA
UEA
TJA-I
SBA
SNA
human Gal-7
CA19-9 (BD)
CA19-9 (Lab)
CA19-9 (Lab)
CA19-9 (Lab)
CA19-9 (Lab)
IPS-K-4-2
EEA
BPL
EEA(EY Lab)
PALM
PALT
CVN
CVA
#15 Sialyl Lewis X (BD)
Mono2R-CONL
WT Galectin-8
CA19-9 AD (Lab)
Mouse Galectin-1
Human Galectin-1
Sp Serotype 14-13
MGL 416
PhoSP-LPS
#14 Sialyl Lewis X (Calbio)
UEA
Epa1-Np mutant Y228W
Mono1-CONL
Epa1-Np mutant E227A
Sp Serotype 14-2
Sp Serotype 14-3
Mouse
hGal-1-488+lactose
Mouse NNT-1
LCA
Avaglutinin
PHA-L
PHA-E
CVN
#8 Lewis B (T218) (Yamamoto)
LSL-155
LSL-150
Galectin-1
HPA
Galectin-1
UEA
Epa1-Np mutant Y228A
MGL 0A-1 (Lab)
BanLec
VLRB.aGPA.23
SBA
PTA
Gal
Epa1-Np WT
HA70 complex Epa1-Np
Epa1-Np mutant E227A
Mono2-CONL
AFCNVH
PHA-E
MGL 0A-1
PHA-L
PNA
P11
VVA
hJAA-F11
PSA
SNL
GNL
AAL
BTL native
GSL-I-B4
nNV VP-2 Ca
WGA(Seikagaku Bio)
AOL (Mahal Lab)
DC-ASGPR
MNA-M
VVA(Native)
Native ebpA
PNA
CVA
STL
GNA (EY Lab)
TJA-I
WGA (Lab)
CCL19-10077
ME7(detected with a-hUD)
RCA (Vector)
HPA
WT-Lec
CVN
MGL
GSL-I-B4
PSA
CVA
SBA
ME5(detected with a-hUD)
SNL
GSL-II (EY Lab)
HLEC (EY Lab)
TJA-II
SBA
SCA
AHL

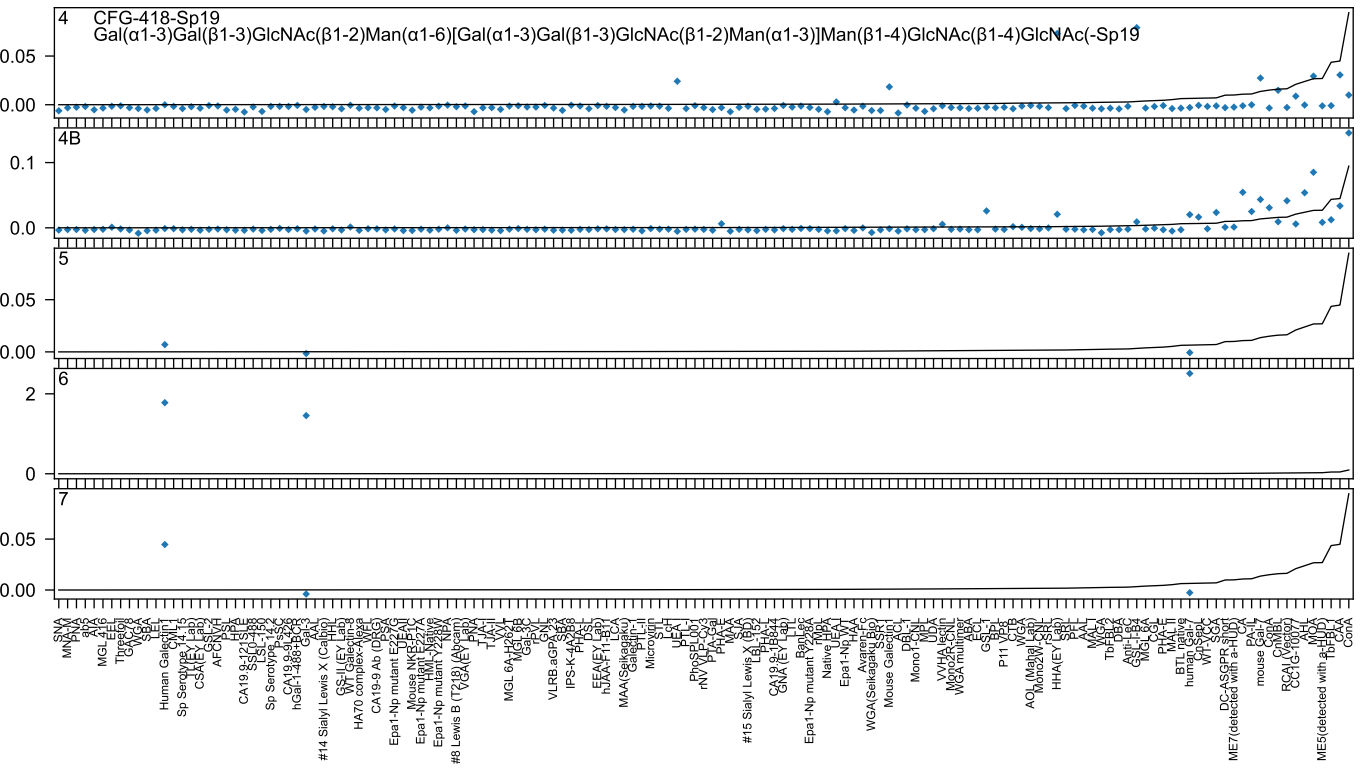

4
CFG-413-Sp0
Fuc(α1-2)Gal(β1-3)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.2
0.0
1
0
SNA
SNA
IPS-K-4
Gal-3
WGA mutant
Lectin
UEA-II
TL(EY Lab)
SBA
PSA
PTA-Gal
PHA-E
MAL II
MAA(Seikagaku)
WFA
aac
GSL-II(EY Lab)
HHA(EY Lab)
ConA
MGA
Epa1-Np mutant S228V
PNA
hGal-1 488-BCR
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
SSL-1
SSL-1 Lab
WT-1
NOX
MNA-M
MNA-N
SJA
SNA
LBL
NPA
hMA-E11
Mouse NK-1.1
GSL-2
GSL-I
Human Galectin-1
Mouse Galectin-1
Lewis X
CA
CGB
PEL
OSE
HCA
LEA
AIA
WGA
Mono1-CNL
Mono2R-CNL
UEA1
#8 Lewis B (T218) (Abcam)
Sp Serotype 12
Sp Serotype 14
CA19-9-T-1-1
CA19-9-T-1-2
CA19.9-9-M-2
RCAI (Vector)
CGL
Sp Serotype 15
Tim-3-Fc
CC1G-100-7
WFL
Gal-1
Gal-7
CA19.9-AC
MGL 4-16
CA19.9-M-1
Epa1-Np mutant E227G
Epa1-Np (WT)
CA19.9-T-B844
HA70 complex-S583
AAL
Galectin-1
AHL
HML-Native
SPA
Avarep-Fc
SBA
AFCN(H)
BIP
PNA
EEA(EY Lab)
PHA-E
CSA(EY Lab)
MGL 6A-H621
AEA
Mono2W-CNL
Anti-Leb
Con A
VLRB.aGOLD
UEA1
Epa1-Np mutant Y226A
WGA(Vector)
GSL-I B4
ME5(detected with a-HCD)
GNA (EY Lab)
PHL
PWM
DC-ASGPR Fc
Native HPA
RIC
PNA
CNL
PTA
UDA
ME7(detected with a-HCD)
PHA-E
WGA(Seikagaku)
PHA-L
PHA-P
LCA
SRL
BTL
PSA
TJA-I
CTB
MGL
Chitinase
mouse Gal-7
WFA
Galectin-8
NXV(Lectin)
rhCG(Lectin)
AOL (Malaga Lab)
Tor-A
AAL
TJA-II

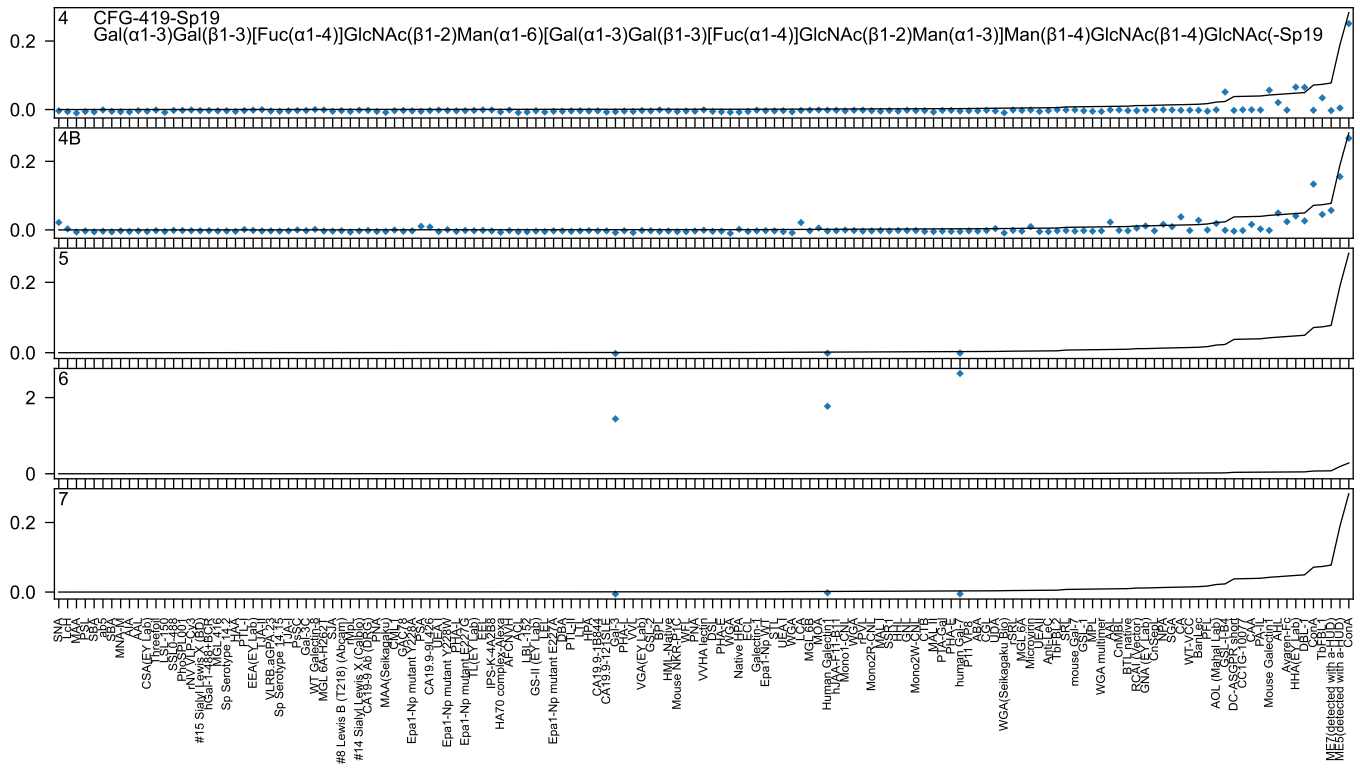

4
CFG-414-Sp0
Fuc(α1-2)Gal(β1-3)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
ABA
ABL
Microvigin
APL
HA70 complex
MGL-68
MAL
SGA
PNA
PHA-E
VVL
UEA-I
UDA
LBA
SBA
TL(EY Lab)
RCA I (Vector)
EEA(EY Lab)
PHA-L
GNA (EY Lab)
BPA
Epa1-Np mutant E227A
Epa1-Np mutant Y228AY
Epa1-Np mutant Y228AY
SP Serotype 9
MGL-4.18
Sp Galectin-1
#14 Sialyl Lewis X (Vector)
#8 Lewis B (Y2 Tech)
HMB
LSL-185
LSL-150
WT-XCC
ACL
MVCN
VGA(EY Lab)
UEA-I
SBA
PHA-E
hJAA-F11-B1
MAL-1
CGA
PHA-E
EA
AIA
Mouse NKR
ACL
DBA
Tn(Sigma)
CSA(EY Lab)
Mouse Galectin-1
EAA
UMA
MAA
MAL2
Human Galectin
MAA(Seikagaku)
NCA
NPA
LCA
VVL
VVA B4
CAA B4
P17 Vibe
PhoSP-LDC1
CA19.9-1B44
BS-4
MGL-8A
Sp Serotype 4
CML-1
CC1G-10D7
#15 Sialyl Lewis X (Vector)
CA19.9-3A1
BPL
HPA
GAL
GAL78
GAL7-2B2
MGL 8A-H2B7
AIF (Native)
SSL7-C488
BS-4-C488
Epa1-Np mutant PHA-E
PHA-E
GSL-I-B4
Aleuria
Mono2R-CNL
Epa1-Np CVN
CVN
Bn-Lec
Bn-Lil
Mono2N-CNL
IPS-K-4
Mono2N-CNL
HHA(EY Lab)
TJA-I
TJA-II
GNA
Gp-CA
DBL-1
CNA35
CNA35
ME7(detected with a-HUD)
DC-ASGPR
Sialyl-3
Sialyl-6
mouse Galectin-4
ME5(detected with a-HUD)
WGA(Seikagaku, Bio)
AnSep
human Galectin-7
WT Galectin-1
rNV VP-Cx3
VVHA
Tscm
PSA
PSA-C
SAA
SAB
Native HPA
AOL (Marpal Lab)
TB-BL1
TB-BL1
WGA
WGA multimer

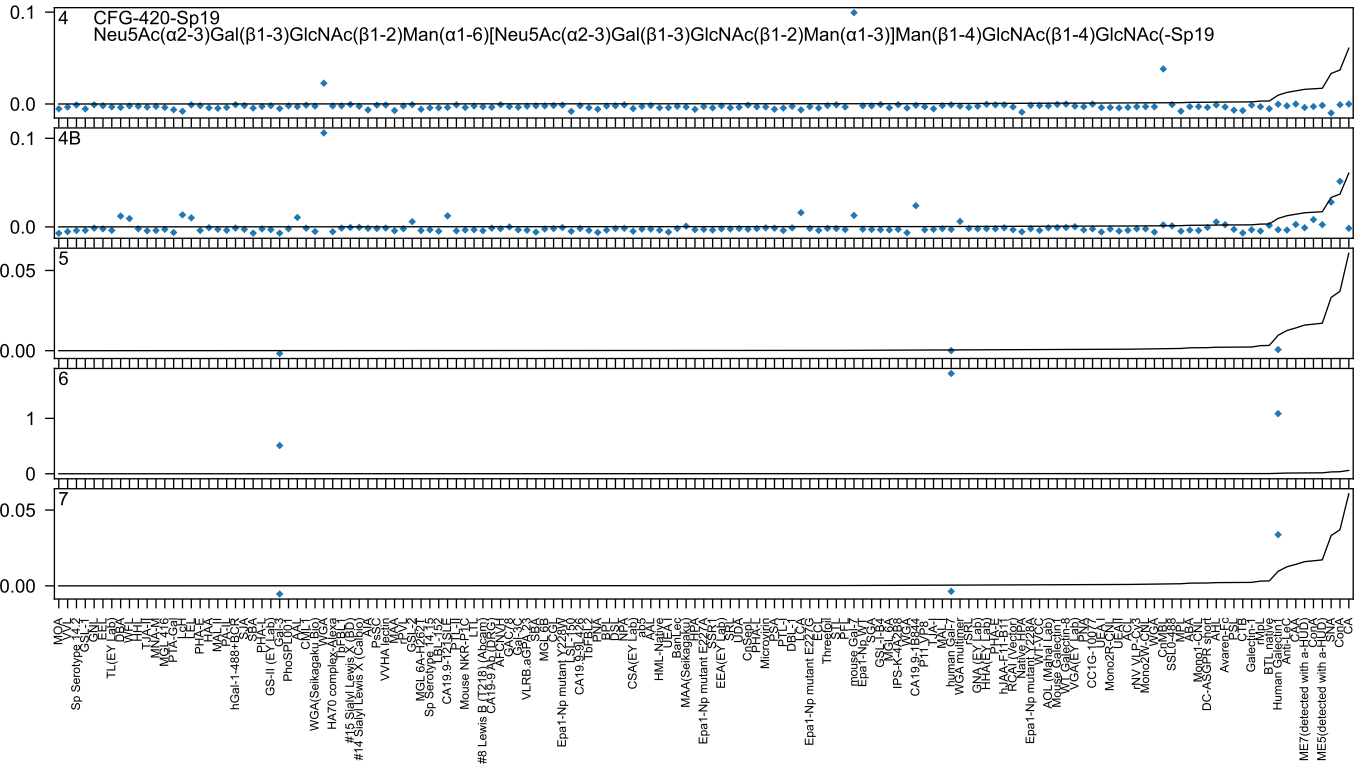

4
CFG-415-Sp14
Gal(β1-3)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
RNA
PNA
PHAL
GS-II (EY Lab)
ABA
AOL (Mahal Lab)
PVL
WGA mutant
rPVL
TbFBL1
TbFBL2
WGA(Seikagaku, Bio
LVA
UEA-I
UEA-II
MAA
BPA
SBA
SNA
SJA
UEA-I
VGA(EY Lab)
PNA
PhoSn(Mal)
CNL1
CNL2
CA19-9 Ab
CA19-9 Ab
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T2 Biomarker)
AF-CNVB
AF-CNVH
rNV-VL
rNV-VL
SSL-1
SSL-10
LB-1
LB-2
ME7(detected with
LB-1
LB-10
ME5(detected with
WT-XCC
MVA
MVN
VLRB aGPVGA
VLRB aGPVGA
MGL
PFA-sialidase
TULA-H
TULA-H-B1
EEL
ENL
GNL
GSL-1
GSL-2
CAA
HCA
HPA
HPA
GSL-A4
DBA
PSA
WGA
LCH
Thrombin
PSL
NEA
ECL
UEA1
UEA2
MAA(Seikagaku)
ConA
MAL(I)
MAL(II)
Epa1-Np mutant E2268
Nativa FDA
Epa1-Np mutant Y228A
Bacillus
CA19.9-1B844
CA19.9-1B844
Sp Serotype 14-2
Sp Serotype 14-2
Mouse NKR-P1C
Mouse NKR-P1C
PBA-E
PBA-T
Galectin-1
AAL
CSA(EY Lab)
EEA(EY Lab)
CA19.9 Gal 428
HA70 complex-Alexa
GNA (EY Lab)
CA19.9-12
CA19.9-12
CA19.9-12
Mono1-CNL
SSA
SGA
271
Epa1-Np mutant E2268
TPS-K-17268
Mono2(CNL)
MAL I
MAL II
PaSc
PaSc
PBL
#15 Sialyl Lewis X (Calbio)
PHL
MSL
Epa1-Np mutant Y228A
CTB
HHA(EY Lab)
Mono3-CNL
Mouse Galectin-9
TL(EY Lab)
PHSL
UDA
Gal-3
TbFBL2
Avidin
Anti-LeX
Sp Serotype 14-15
DC-ASGPR (CD209)
CGL
BTL native
Human Galectin-1
RCA(Vector)
RCA(Vector)
VVHA lectin
human VAE/
mouse VAE/
CnSep1
VAE/
AIA

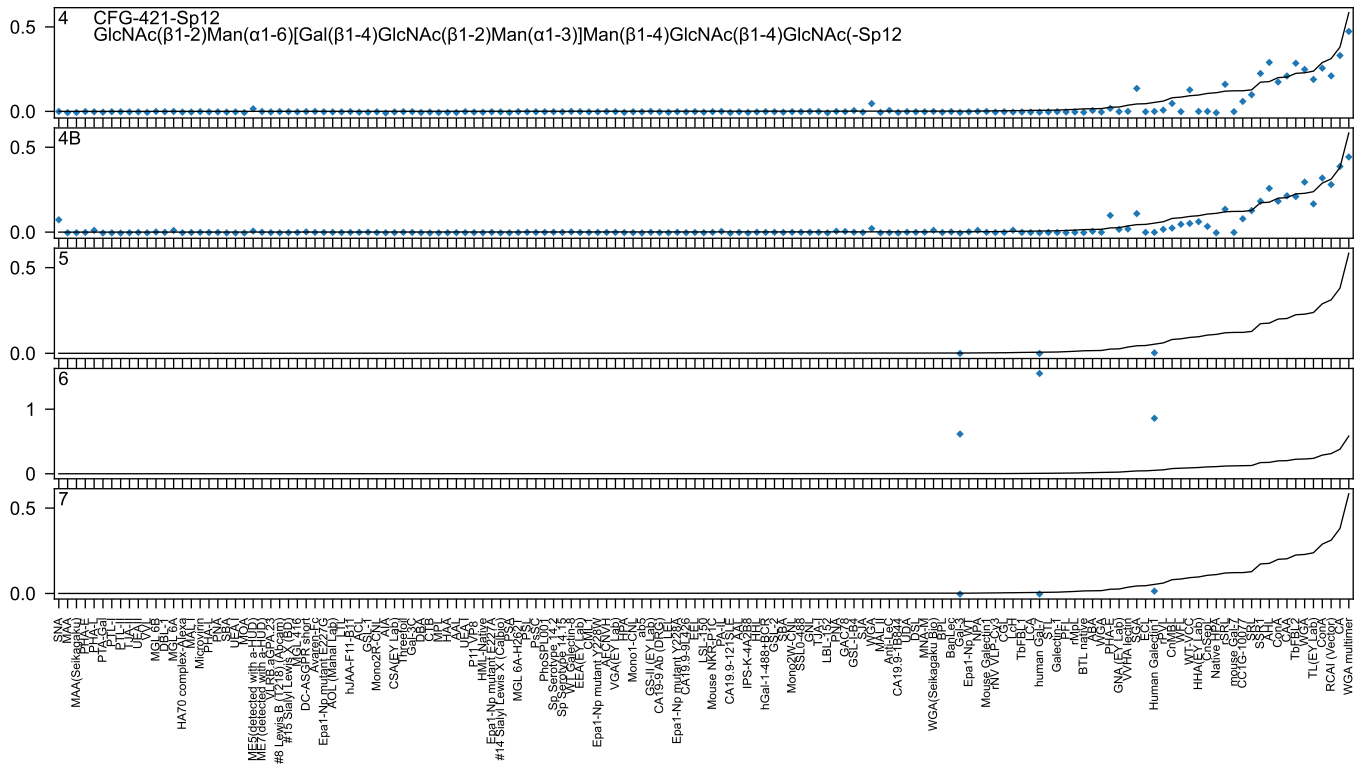

4
CFG-416-Sp14
GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
1
0
SNA
VVHA
CAI39-1
CAI39-12
SJA
PNA
AAL
AAL
rNV VP1
VLP-C59
APCNGH
P11 VP8
HA70 complex-Alexa
#8 Lewis B (Calbiochem)
Mouse NRGALCG
Epa1-Np mutant E229A
Epa1-Np mutant E229A
WT Galectin-8
Antennapedia
Sp Serotype 14-2
CML1
#15 Sialyl Lewis X (Calbiochem)
LBL-CZ
Sp Serotype 14-2
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E229A
Epa1-Np mutant E229A
MGL6A-H262A
hJAA-F11-S11
Epa1-Np mutant E227G
CAI39-5
hGal-1-489
Tg-SFL-1
Tg-SFL-1
IPS-K-42B8
WGA multivalent
ME7(detected with a-HUD)
VGA(EY Lab)
MAA(Seikagaku)
VLRB.aGP.C3
TL(EY Lab)
AOL (Mahal Lab)
mouse Gal-7
BTL native
Native EPA
human Gal-4
WGA(Seikagaku Biol)
Mouse Galectin-9
Human Galectin-8
MGL 418
ME5(detected with a-HUD)
Galectin-1
Mono2V-CNL
Mono1-CNL
ThFB1-2
MGL 88
MGL 89
MgR
DC-ASGPR
SJCR
WFL

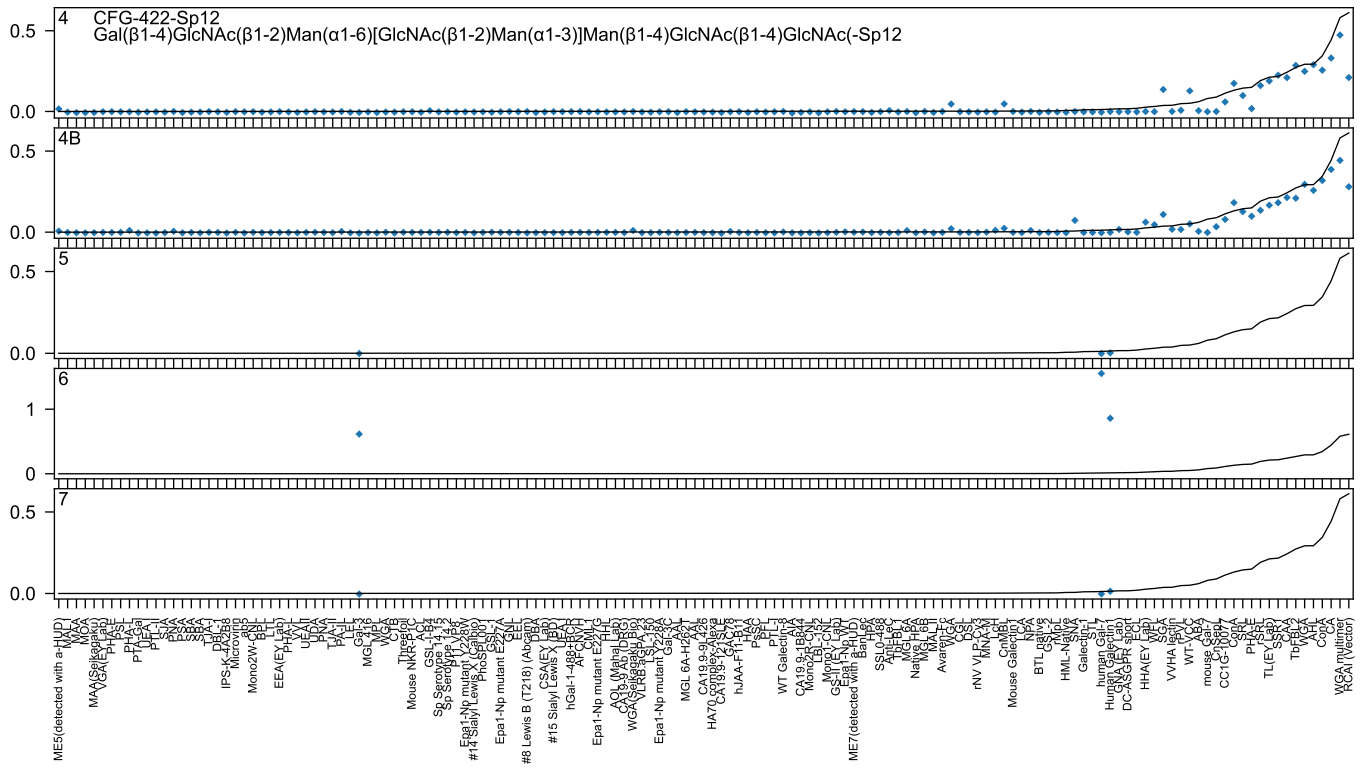

4 CFG-417-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SBA
AOL (Mahal Lab)
wild
Microb
IPS-KO
LCA/EB8
Galectin
HA70 complex-Alexa
WBL
ASA
SGA
PVL
UEA1
TJA-I
TL(EY Lab)
DAA
LEL
SBA
Lab
GS-II (EY Lab)
PNA
GNA (EY Lab)
PHA-L
Epa1-Np mutant
Epa1-Np mutant
PropSP-001
CA19-9 Ab (DRG)
CA19-9 Ab (Wu Lab)
#14 Sialyl Lewis X(Calbio)
#15 Sialyl Lewis X(Calbio)
#8 Lewis B(Y) (Calbio)
HMA Native
HMA Native
SSL-186
SSL-186
ME5(detected with a-HUD)
WT VCC
WT VCC
VGA(EY Lab)
SAA
PNA
PNA
HHA(EY Lab)
MGL 6A-H267
LTA-E
PHA-E
DBA
AIA
ACI
Thrombo
WBP
AAL
Mouse Galectin-1
GNL
CSA(EY Lab)
Human Galectin-1
GSL-I-B4
EEA
NDA
CoVA
UEA-I
UEA-I
PVL
EEA(EY Lab)
Epa1-Np mutant (Y228N)
CA19-9-IgG
CA19-9-IgG
Aviaren-Ec
PTL
PTL
Sp Serotype 14
PTL-II
PTL-II
Epa1-Np mutant E227A
Epa1-Np mutant E227A
hGal-1-488+PCR
hGal-1-488+PCR
VLRB.aGPA-1
VLRB.aGPA-1
CA19-9-TB444
MAA(Seikagaku)
PHA-L
PHA-L
Epa1-Np mutant E227A
Epa1-Np mutant E227A
PHA-E
PHA-E
GSL-I-B4
GSL-I-B4
MAL II
MAL II
hJAA-F11
BPL
BPL
LEL
LEL
Gal-3
Gal-3
VVHA lectin
VVHA lectin
ECL
ECL
Galectin-1
ME7(detected with a-HUD)
MALA
MALA
UEA-I
UEA-I
LBL
LBL
BTL
BTL
Galectin-2
Anti-LeK
Anti-LeK
GSL-I
GSL-I
CA19-9 (21SLE)
CCK-81
AFCNYH
AFCNYH
Mouse NKR-P1A
WFL
WFL
RCAI (Vector)
MGL 416
MGL 416
monoB-CONA
MonoB-CONA
MonoB-PNA
MonoB-PNA
human Gal-7
human Gal-7
CnSerB
CnSerB
DBL
DBL
MPL-I
MPL-I
MPL-II
MPL-II
Mono1-CEL
Mono1-CEL
rNVVLP-Cy3
rNVVLP-Cy3
STL
STL
WT Galectin-1
WT Galectin-1
HAA
HAA
TcBSLC
TcBSLC
WGA
WGA
MGL-6A
MGL-6A
TcBSLB
TcBSLB
SSL
SSL
WGA(Seikagaku)
BPL
BPL
WGA
WGA
Native
Native
DC-ASGPR
DC-ASGPR
WGA multimer

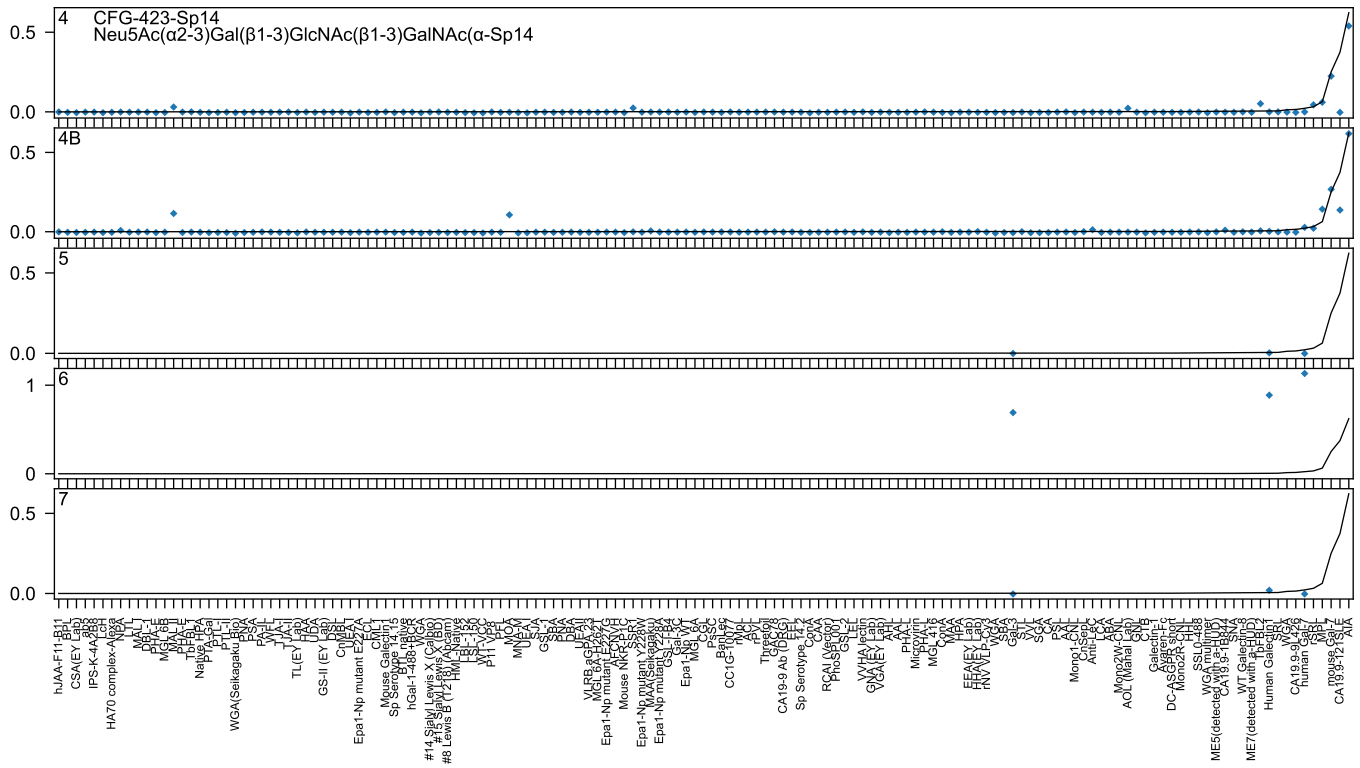

4
CFG-418-Sp19
Gal(α1-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp19
0.05
0.00
4B
0.1
0.0
5
0.05
0.00
6
2
0
7
0.05
0.00
SNA
MNA
PNA
AIA
MGL_416
Thrombo
GNA
CSA
SBA
Human Galectin-1
CML1
Sp Serotype 1 (EY Lab)
CsA(EY Lab)
AFCNA
FPA
CA19.9-271SLE
SSC-180
Sp Serotype 14
SSC-186
CA19.9-9-226
hGal-1-488-Sp3
AAL
#14 Sialyl Lewis X (Carbohyd
GS-II(EY Lab)
WGA(Sigma)
HA70 complex-Alexa
CA19-9 Ab (DWG)
PSA
Epa1-Np mutant EDEAG
Mouse NKB-P1X
Epa1-Np mutant Y268W
HMI Native
Epa1-Np mutant Y268W
#8 Lewis B (T218) (Ab-carb
VGA(EY Lab)
PAP
TJA-I
TJA-II
VAL
MGL 6A
H2-Glycan
Gal-3C
PNH
VLRB.aGPA.23
IPS-K-4-SB6
PHA-E
EEA(EY Lab)
hJAX-P11-B1
MAA(Seikagaku)
Galectin-1
Microvigin
SJA
UEA
PhoSL001
nNV PAP-Cy3
PHA-L
WGA
#15 Sialyl Lewis X (BD)
LEA
BHA2
CA19.9-VB844
GNA (EY Lab)
Epa1-Np mutant Y268K
Rcg1K
Mpa
Native LEA
Epa1-Np WT
Avarem-Fc
WGA(Seikagaku Bio)
Mouse Galectin1
DBA
Mono1-Cy3
UDA
VVH(Alexa)
Mono2W-Cy3
WGA multimer
EBA
GSL-I
P11
VCTB
AOL (Matja Lab)
Mono2W-SBL
HHA(EY Lab)
SBE
AAL
WGA
Tb-DB2
Agri-LEC
Agri-EA
CGL
PAL-T
MAL-II
BTL (native)
human-Fc
PpSepL
WT-SCX
DC-ASGPR sliqot
ME7(detected with a-HUD)
PAL-L
mouse Fc
ConA
CML1
RCA(EY Lab)
CCTG-16077
MAL
ME5(detected with a-HUD)
Tb-DB1
PSA
ConA

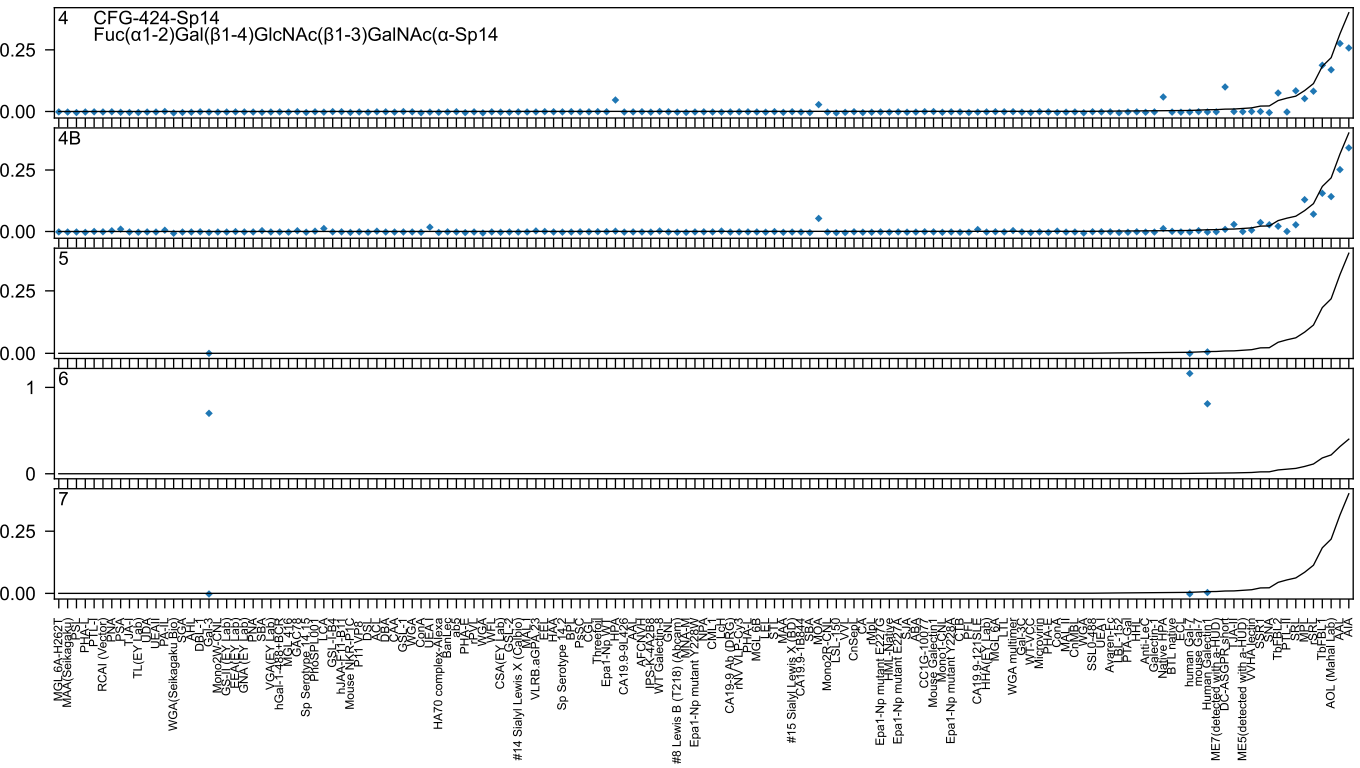

4 CFG-419-Sp19
Gal(α1-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp19
4B
5
6
7
0.2
0.0
2
0
SNA
TJA-I
MAA
SSA
SBA
ABA
MNA-M
AIA
CSA(EY Lab)
[Neelo]
SSA-I
PSA-I
#15 Sialyl Lewis X (Calbiochem)
NVVP-P-003
Neu1 Lewis X (BIO)
MGL 416
Sp Serotype 14 A
PTL-I
EEA(EY Lab)
VLRB aGPA 22
Sp Serotype 14 A-I
TJA-I
PSA-C
Galectin-3
WT Galectin-3
MGL 6A-H-S-3
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
CA19-9 Ab (DRG)
MAA(Seikagaku)
GNA
Epa1-Np mutant Y228A
CA19-9-L426
Epa1-Np mutant Y228G
Epa1-Np mutant Y228F
Epa1-Np mutant Y228L
HA70 complex-Alexa
IPS-K-44-Alexa
APCNYH
LBL-152
GS-II (EY Lab)
Epa1-Np mutant E227A
PDB-H
HT
CA19.9-1B44
CA19.9-12-SLE
PHA-E
VGA(EY Lab)
GSL-I
HML-Native
Mouse NKR-P1C
PNA
VVHA recom
PHA-L
Native VHA
ECL
Galectin-1
Epa1-Np WT
UEA-I
WGA
MGL C6
MGL
Human Galectin-8
NPA
Mono1 CON
Mono2 CON
SSA-I
SSL-1
SSL
Mono2W-CON
MAL II
PAL-Gal
human Galectin-7
PTL-I
XBA
COA
WGA(Seikagaku Bio)
MGSRA
Microcystin
UEA-I
AIL
TcBFL2
mouse Galectin-7
GSL-I
WGA multimer
CNA
Con A
BTL native
RCA(EY Lab)
GNA(EY Lab)
CnSerp1
SGA
WT-VCA
BanLec
AOL (Matsu Lab)
GSL-I-B4
DC-ASGPR 10047
CCTG-10047
PCAA
Mouse Galectin-1
Arage AIC
HHA(EY Lab)
DBL-A
TcFBL1
MEZ(detected with a-HUB)
MEZ(detected with a-HUB)
ConA

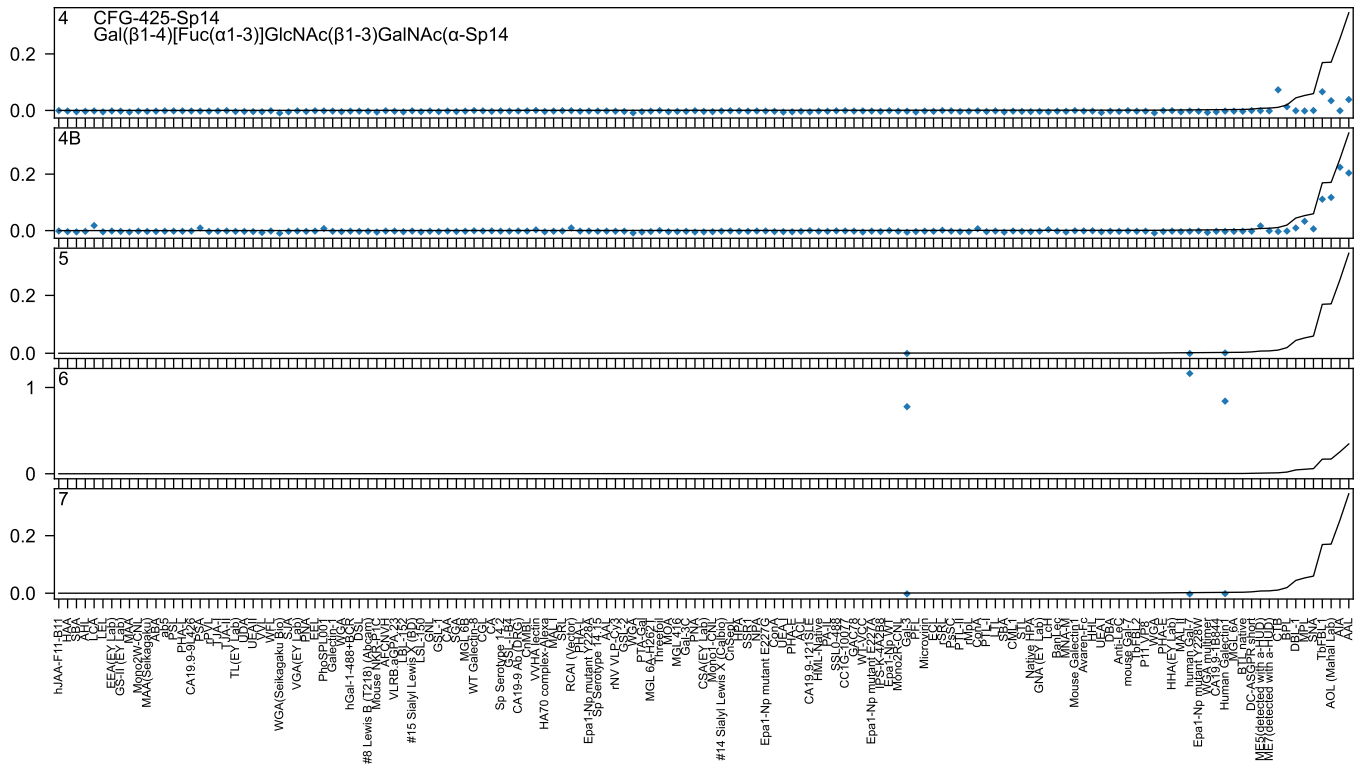

4
CFG-420-Sp19
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp19
0.1
0.0
4B
0.1
0.0
5
0.05
0.00
6
1
0
7
0.05
0.00
MOA
Sp Serotype 14.2
GSL
SNL
EEL
TL(EY Lab)
DBA
WFL
TJA-I
MAL-I
MOA-416
PTA-Gal
LEL
PHA-E
PHA-L
MAL-II
hGal-1488+PGR
SJA
PNA
PHA-L
GS-II (EY Lab)
PhoSPOPC
CML
WGA(Seikagaku/Bio)
HA70 complex-Alexa
#15 Sialyl Lewis b(FB-1)
#14 Sialyl Lewis x (Calbio)
PSA
VVHA lectin
PWA
PAA
GSL-2
MGL 6A-1
Sp Serotype 14.215
CA19.9-1-152
TBL-152
PHL-E
PHL-L
Mouse NKR-P1C
#8 Lewis B (T218) (Abcam)
CA19.9-1-152
AFCONA
GAL3
GAL7
VLRB aGPA-23
SBA
MGL-2
Con A
Epa1-Np mutant V2280
Epa1-Np mutant S2280
CA19.9-1-428
TBL-428
PNA
BSL
NPA
CSA(EY Lab)
ABA
AAL
HML-NIEAT
BanLec
MAA(Seikagaku)
PPA
Epa1-Np mutant E226A
EEA
EEA(EY Lab)
SNA
SDA
CpSap1
CpSap2
Microvirin
PSA
FTL
DRL-1
Epa1-Np mutant E227A
ECL
Thresgln
PL
mouse CD1d
Epa1-Np WT
SSA
GSL-BS
GSL-BA
IPS-K-4-0-29
CA19.9-1-1844
PHL-E
JAC
MAL-I
human CD1d
wGA multimer
Sin
GNA(EY Lab)
HHA(EY Lab)
hAAA-F11-B1-T
RCA(Vector)
Epa1-Np mutant V228A
WFL(EY Lab)
AOL (Mouse Galectin-3)
Mouse Galectin1
VGA(Galectin-3)
PNA
CC1G
UEA1
Mono2R-1
LEN
ACL
rNV V-P-CK3
Mono2W-CK3
WGA
ssCD1488
MEL
Mgal1-CNL
DC-ASGPR sugt
Avarep-EC
CTB
Galectin-1
BTL native
Human Galectin-1
Ame-CK
CAA
ME7(detected with a-FUD)
ME5(detected with a-FUD)
CONA
CA

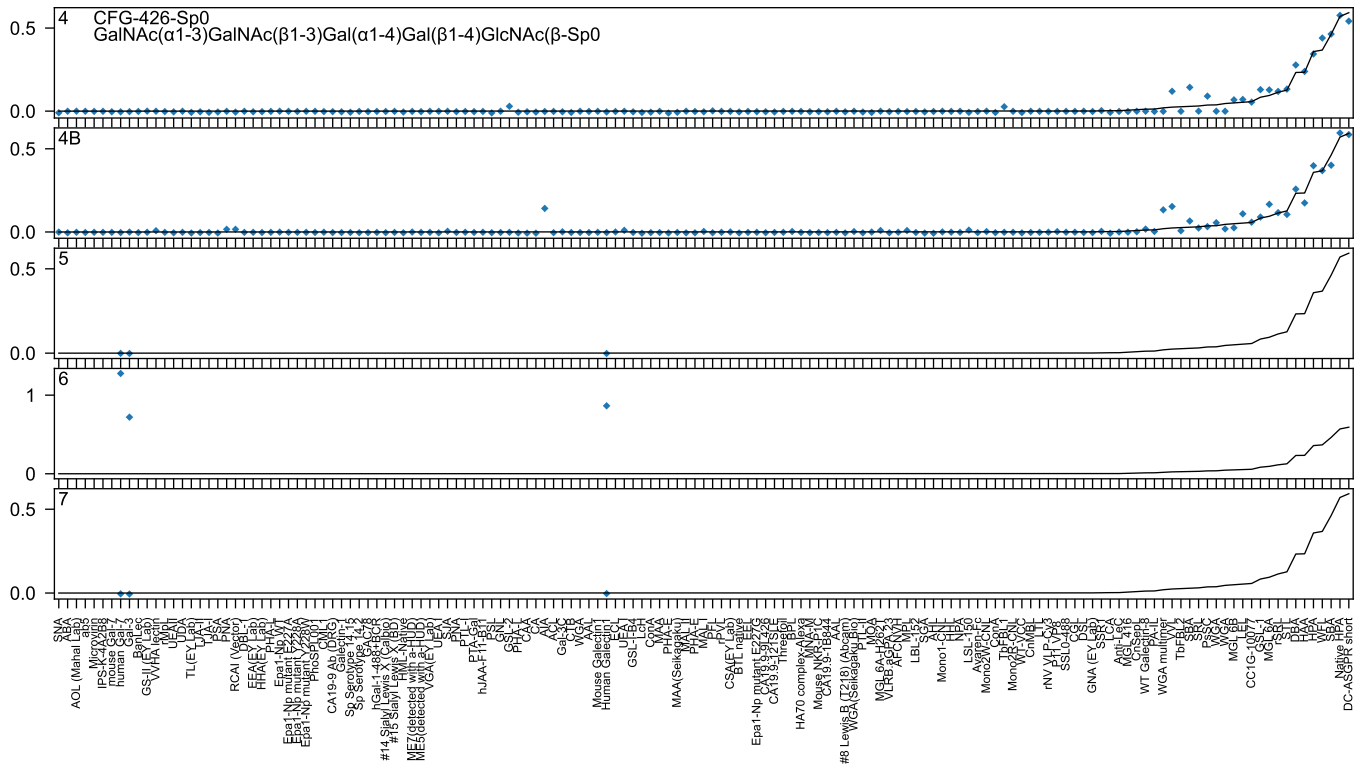

4
CFG-421-Sp12
GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
MAA(Seikagaku)
PHA-E
PHA-L
PTA-Gal
PTL-I
UEA-I
VVA
MGL-6A
MGL-6B
HA70 complex
WAC1
Microvirin
PNA
UEA
WGA
ME5(detected with a-HUD)
ME7(detected with a-HUD)
#8 Lewis B (Y-218 aGPA 23)
#13 Sialyl Lewis X (BD)
DC-ASGPR-Fc
Avaspr-Fc
Epa1-Np mutant Y228A
ACL (Matlar Lab)
hJAA-F11
ACL
GSL-I
CSA(EY Lab)
Mono2
AIA
GalNAc
CTB
MPL
PCA
AAL
UVA
P11
HML (native)
Epa1-Np mutant Y228W
#14 Sialyl Lewis X (Calbiochem)
MGL 6A-Fc
PSA
PhoSL
PhoSL-Fc
Sa Serotype 14-2
Sp Serotype 14-1
Sp Serotype 14-8
EEA(EY Lab)
Epa1-Np mutant Y228W
ACL(NVI)
VGA(EY Lab)
HPA
Mono1
CAL
GS-II (EY Lab)
CA19-9 Ab (Dr. Lee)
CA19.9-sialyl Lewis a
Epa1-Np mutant Y228A
EEL
Mouse NKR-P1C
CA19.9-12
PA-IL
IPS-K-4A2B8
hGal-1-488+BCS
GSL-I-B4
Mono3
SSL7-GB8
TJA-I
LBL-PNA
GAC78
GSL-I-A4
STA
MPA
Anti-Lac
CA19.9-Fab
DSA
DSL
MNA
WGA(Seikagaku Bio)
BPL
Bad-Gal-3
Epa1-Np
VIA
Mouse Galectin1
rNV VLP
CGB
TbF-BC1
TCA
human Gal-7
Galectin-1
MpL
BTL native
WGA
GNA (EY Lab)
VVA HA lectin
PTA-E
ECA
Human Galectin1
CnMBL
WT-WLE
HHA(EY Lab)
Native-SepA
ISR
CCL7
SSB1
AHL
ConA
TbF-BC2
TL(EY Lab)
ConA
RCA I (Vector)
WGA multimer

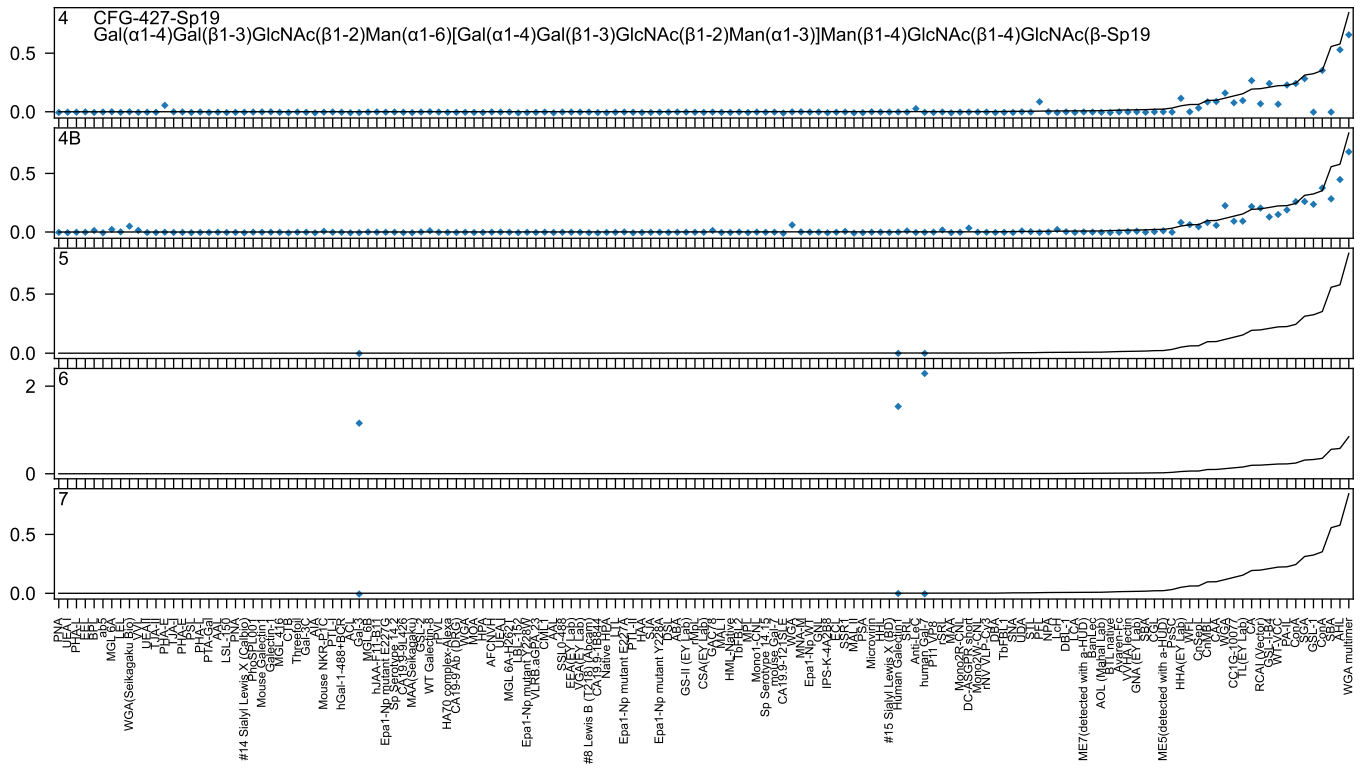

4
CFG-422-Sp12
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp12
4B
5
6
7
0.5
0.0
1
0
ME5(detected with a-HUD)
MAA
MOA
MAA(Seikagaku)
VGA(EY Lab)
PSL
PTA-Gal
DEA
STA
PNA
SNA
SBA
TJA-I
DBA
IPS-K-Ac2Ala
Mono2Man
Mono2W-aHS
BPL
LTL
EEA(EY Lab)
PHA-E
UEA-I
UDA
GNA
TJA-II
PAL
Gal-3
4-1B
MGL
WGA
Con A
Thrombo
Mouse NKR-P1C
GSL-I-B4
Sp Serotype 14-13
PTA-Man
#14 Sialyl Lewis X (Abcam)
Epa1-Np mutant C286W
Epa1-Np mutant E297A
PhoSPLD1
Epa1-Np mutant E297A
GNL
#8 Lewis B (T218) (Abcam)
DSA
CSA(EY Lab)
#15 Sialyl Lewis X (BD)
hGal-1-489-HEK
hGal-1-489-HEK
AF-CNTF
Epa1-Np mutant E297G
THL
AOL (Mabtal)
CA19-9 Ab (BRG)
WGA(Vector)
Epa1-Np mutant E297A
LSL-165
Epa1-Np mutant G286C
MGL 6A-HEK
AAL
CA19-9-42b
CA19-9-BR4
HA70 (Genmab)
CA19-9-21SCE
hJAA-F-HEK
PHA-L
PWA
BPL
WT Galectin-1
CA19-9-42b
CA19-9-BR4
Mouse Galectin-1
LBL-182
Mouse Galectin-1
GSL-I-B4
Epa1-Np WT
ME7(detected with a-HUD)
Banlec
SSL0-468
Anti-LeC
MGL-HEK
Native HEK
MGL-HEK
MAL-II
Avarol-E
VGL
CGL
DSA
rNV VLP
MNA-M
CnMBL
Mouse Galectin-1
NPA
BTL
HML-NSNA
Galectin-1
human Gal-7
Human Galectin-1
DC-ASGPR spot
HHA(EY Lab)
WFL
VVHA lectin
WT-PVA
ABA
mouse Gal-7
CC1G-10077
CSA
SNA
PHA-E
TL(EY Lab)
SSA
TbFBP2
VFA
CoPA
WGA multimer
RCA (Vector)

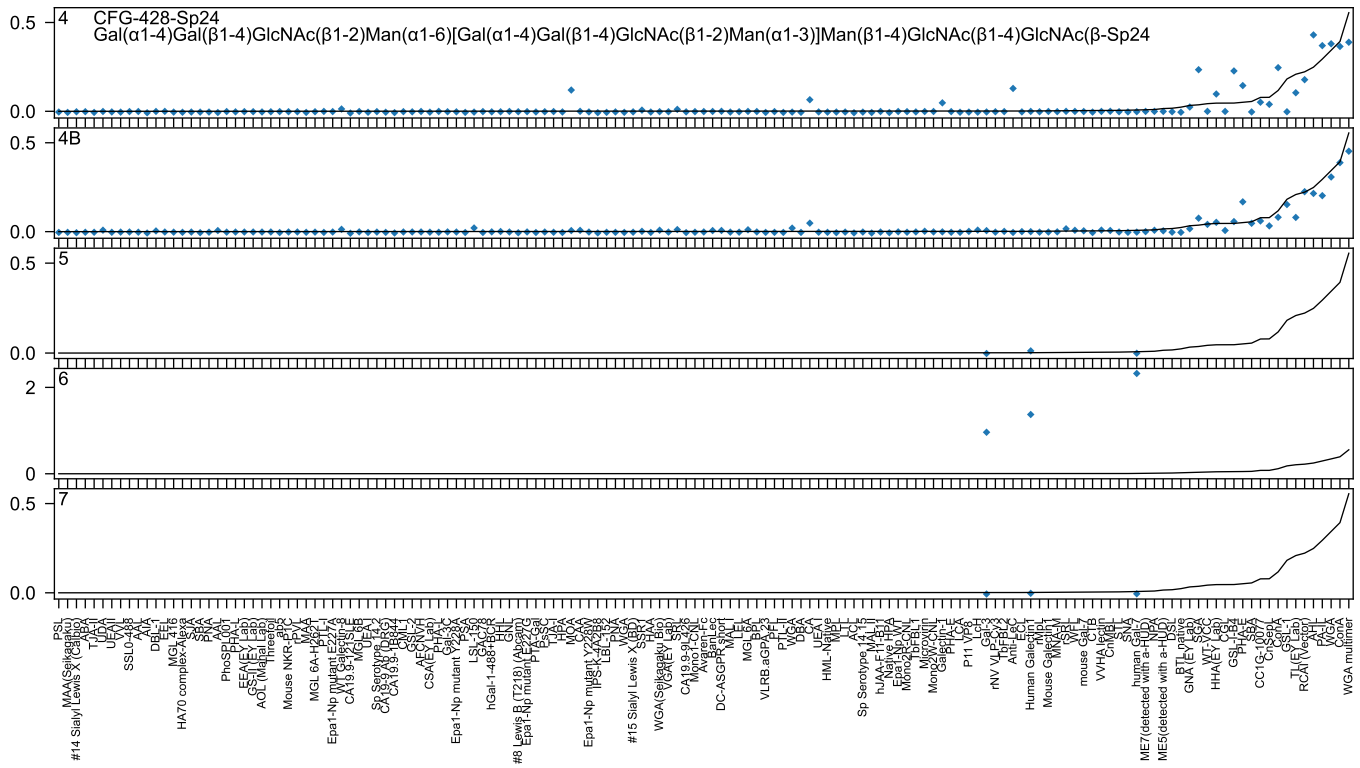

4
CFG-423-Sp14
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
B1
B1
CSA(EY Lab)
IPS-K-4A
HA70 complex-A
NBA
MALL
DBL-1
MGL-66
MAL II
TbFBLT
Naive HPA
PNA
PSL-I
WGA(Seikagaku Biol)
PNA
ESA
FAS
TJA-I
TJA-II
LAD
UDA
UEA
GS-II (EY Lab)
CnMBL
Epa1-Np mutant E227A
CnMBL
Mouse Galectin1
Sp Serotype 14 VS
hGal-1488+BBGR
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (BD)
#8 Lewis B (172 Human)
HM1 Native
LBL-155
LBL-156
WT VGC
p11 VGC
p11
MOA
MPA
UEA1
GSLA
SBA
DBA
DBA
UEA1
VLRB aGC
MGL1A H262F
Epa1-Np mutant E227G
Mouse NKR-P1C
Epa1-Np mutant Y228W
MAA(Seikagaku)
Epa1-Np mutant Y228H
GSL-I B4
Gal-1
Epa1-Np mutant Y228F
MGL 6A
PCSL
Banlec
CC1G-1N07
AOL
AOC
Threelog
GSL-I
CA19-9 Ab (BD)
EEL
Sp Serotype 14 Z
CAA
RCA I (Vector)
PhoSL(Vector)
GSL-I-B
VVHA(Lectin Oxy)
VGA(EY Lab)
ACL
ACL
PHA-L
Microvirin
PHA-E
MGL 416
CAA
CAA
HPA
HPA
EEA(EY Lab)
EEA(EY Lab)
rNV VLP-Cy3
WGA
SBA
Gal-3
SVT
SCA
PSL
PSL
Mono1-CNL
CnSepc
Anti LCA
LCA
Mono2W-ABA
AOL (Mahal Lab)
CNL
Galectin-1
DC-ASGPR short
Mono2R-CNL
SSL0-488
WGA (multimer)
ME5(detected with a-HUD)
CA19.9-1B844
SNA
WT Galectin-3
ME7(detected with a-HUD)
Human Galectin1
VSA
CA19.9-9-426
human Galectin
MPL
mouse Galectin1
CA19.9-12-198
SLE
AIA

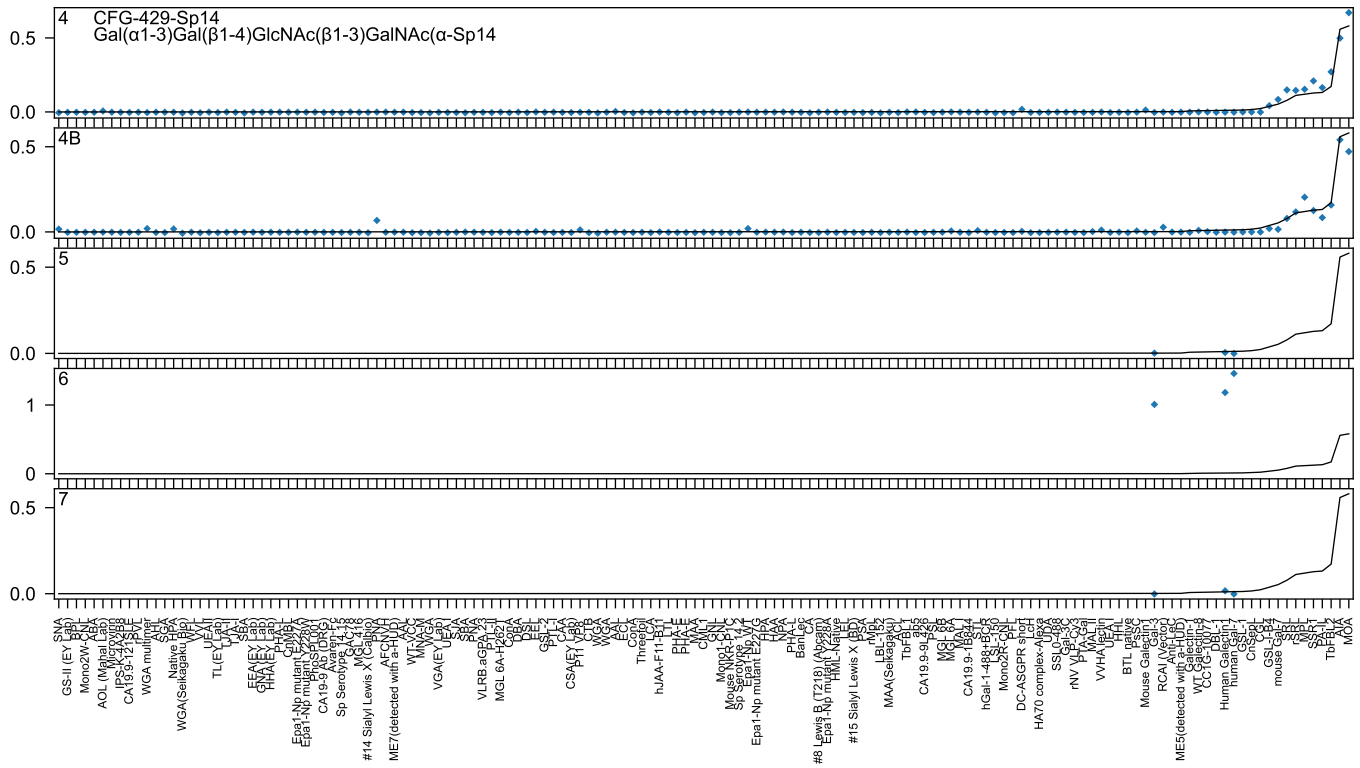

4
CFG-424-Sp14
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
1
0
MGL (LA-1/2G7)
MAA(Seikagaku)
PSL
PHL
PHA-L
RCAI (Vector)
PSA
TJA-I
TL(EY Lab)
UDA
LCA
VFA
WGA(Seikagaku,Bio)
ACL
DBA
DSL-1
Mono2W-CNL
GSL-I (EY Lab)
GNA (EY Lab)
SBA
SSA
VGA(EY Lab)
hGal-1 (R&D)
MGL 418
GAC 418
PhoSP-1001
Sp Serotype 9
GSL I-B4
hJAX-1
Mouse IgM
p11 vp8
DSL
DBA
GSL-I
WGA
UEA I
HA70 complex
Alexa
Bar-1
aB5
PhA-E
WGA
VFA
CSA(EY Lab)
GSL-2
#14 Sialyl Lewis X (GALC)
VLRB aGPA2
HAA
Sp Serotype 6B
PSSC
Threefoil
Epa1-Np (DA)
CA19.9-9.428
AFCO
PSA-4A2B8
WT Galectin-3
#8 Lewis B (T218) (Ancart)
Epa1-Np mutant V22A
CNA
CA19.9-Ab (DPC)
rKN (Ab)
PhA-E
MGL 1
LEL
SJA
#15 Sialyl Lewis X (BD)
CA19.9-1B78
MOA
Mono2R-CNL
SSL-CBP
VVL
CnSepA
Epa1-Np mutant E2A
HML-Nalyse
Epa1-Np mutant E2A/A
ABA
CC1C-1.000
Mouse Galectin-1
Mono1-2G1
Epa1-Np mutant Y22A
CTB
CA19.9-12-SLE
HHA (EY Lab)
MGL 1A
WGA multimer
WFA
MPA
CON A
CNA
CNA
SSL-I
UEA I
Aviaer-1-5
PTA Gal
Anti-Lac
Galectin-1
BRL lectin
human Galectin-7
mouse Galectin-7
ME7(detected with a-HUD)
DC-ASGPR-sFcor
ME5(detected with a-HUD)
VVHA (secin)
SNA
SNA
TxB-L2
PSL
SBL
MPE
TbFBL1
AOL (Marfal LA2)
AIA

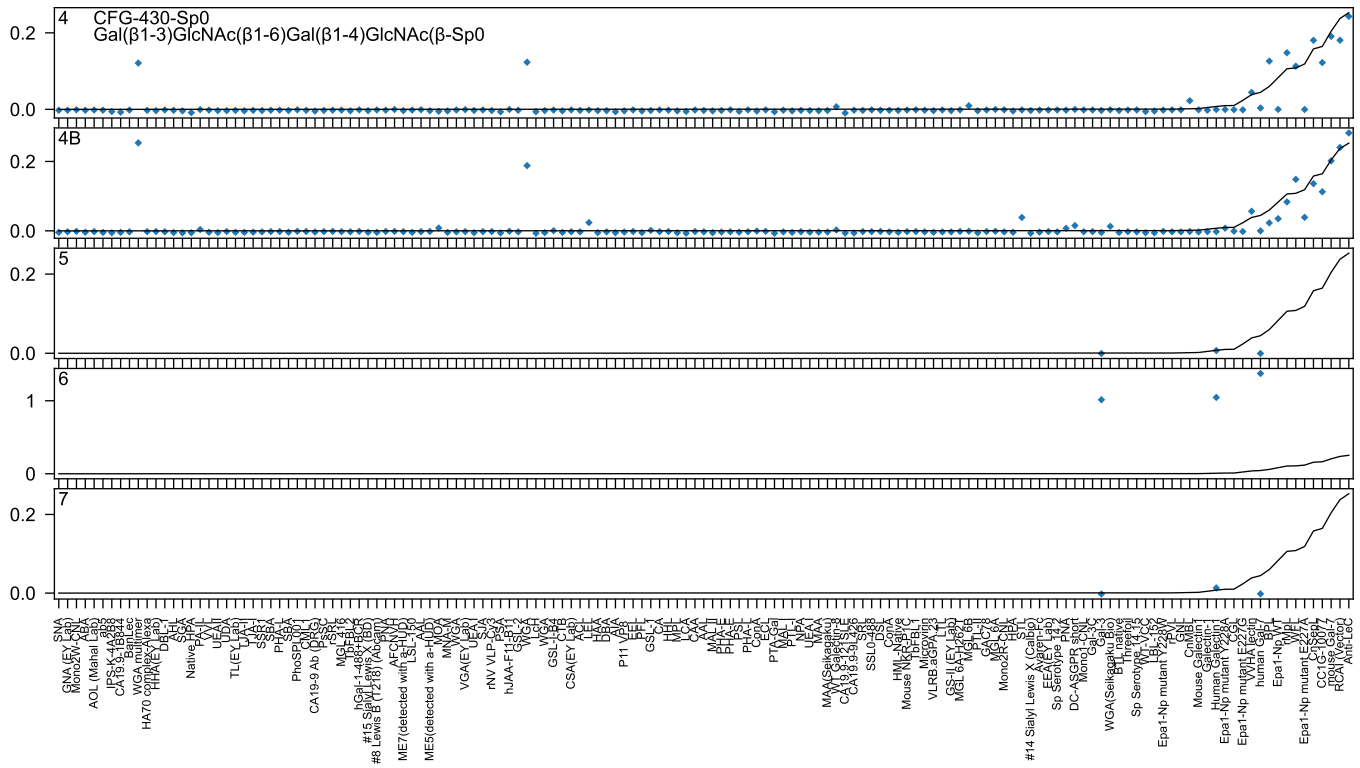

4
CFG-425-Sp14
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
1
0
hJAA-F11-B11
BAA
SBA
PCA
LCA
LEL
EEA(EY Lab)
GSII(EY Lab)
Mono2W-VAA
MAA(Seikagaku)
ABA
PSL
PHA-L
CA19.9-9-1
PSA
PNA
TJA-I
TL(EY Lab)
UDA
UEA-I
WGA(Seikagaku)
VFL
SJA
VGA(EY Lab)
BPL
EEL
PhoSL(EY Lab)
Galectin-1
WGA
hGal-1-489+
DSL
#8 Lewis B (T218)
Mouse APCNVH
VLRB aid 153
#15 Sialyl Lewis X (6D)
LSL
GNL
GSL-I
SNA
MGL-6B
WT Galectin-3
CGL
Sp Serotype 14 22
CA19-9 Ab
GSL-IB4
CNMBL
VVHA lectin
HA70 complex
MAL-I
Sbn
RCAI (Vector)
Epa1-Np mutant P127A
Sp Serotype 14 T15
rNV VLP
AAL
GSL-I-A4
PTA
VGA
MGL 6A-H2641
Thrombolectin
MGL 416
Galectin-8
CSA(EY Lab)
#14 Sialyl Lewis X (Calbio)
CrSLEA
SSL1
SSL7
Epa1-Np mutant E227G
CGA
PNA-F
CA19.9-12-SLE
HML-Native
SSL-2488
CCTG-10077
WFA
Epa1-Np mutant E227A
Epa1-Np WT
Mono2-Galectin-1
PFL
Microcystin
ESS
PSS
PTL-II
Mpa
PTL-I
SBA
CNA-1
Native HPA
GNA (EY Lab)
Ban-Sc
Ban-Ss
Mouse Galectin-7
Avarem-Fc
UEA-I
DBA
Anti-Lec-6
mouse Gal-7
P19-Fc
WGA
HHA(EY Lab)
PVL
Epa1-Np mutant Y228W
human Gal-1
CA19.9 mutant
Human Galectin-1
WGA
BTL
DC-ASGPR signal
ME5(detected with a-HUD)
ME7(detected with a-HUD)
DBL-1
SNA
DBL-2
GFB
AOL (Mahal Lab)
AAA
AAL

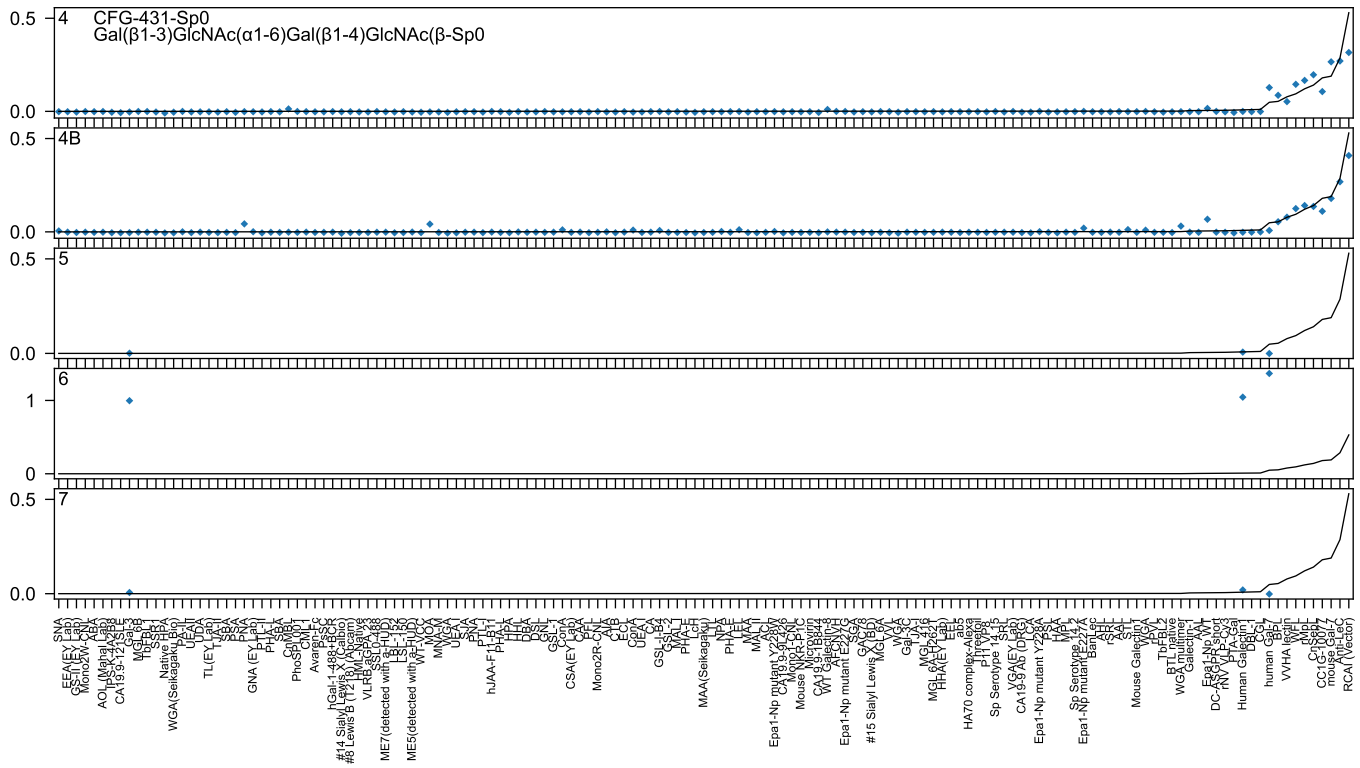

4
CFG-426-Sp0
GalNAc(α1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SMA
SBA
AOL (Mahal Lab)
wilm
Microvil
IPS-K4A2B8
mouse Gal-3
human Gal-3
Gal-3
Bat Lab)
GS-IV (EY Lab)
VVHA mono
UEA1
UEA1
TL(EY Lab)
DAA
DBA
PSA
PNA
RCAI (Vector Lab)
DBL-1
EEA(EY Lab)
HHA(EY Lab)
PHA-L
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
PhoSP-101
CA19-9 Ab
CRG
Galectin-1
Galectin-1
Sp Serotype 14-2
Sp Serotype 14-2
hGal-1-48-Sp078
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (Calbiochem)
MEL(detected with a-HUD)
MEL(detected with a-HUD)
MEL(detected with a-HUD)
VGA(EY Lab)
UEA
PNA
PNA
PTA-Gal
hJAA-F11-B11
hJAA-F11-B11
GNL
GNL
GSL-I
PHA-E
CAA
CAA
ACL
ACL
Galectin-8
WGA
WGA
Mouse Galectin-1
Human Galectin-1
UEA1
GSL-I-B4
CON A
PHA-E
MAA(Seikagaku)
PHA-L
MAL
PVL
CSA(EY Lab)
BYE Hapten
EEL
Epa1-Np mutant E227A
CA19.9-1-24-Sp
CA19.9-1-24TSLE
Thrombin
BiP
HA70 complex (Alexis)
Mouse NK8-B7C
CA19.9-1-B-24
CA19.9-1-B-24
#8 Lewis B (Z218) (Abcam)
WGA(Seikagaku)
PHA-L
MOA
MGL 6A-HRP
MGL 6A-HRP
VIRA 23
VIRA 23
APC MP
LBL-152
AH
AH
Mono1-CNL
NPA
LSL-1-B
Avidin
Mono2WZCNL
Mono2WZCNL
TbFBP1
Mono2R-CON
WGA
CnMBL
rNV VLP-C15
P11-VP8
SSLO-C89
DSL
GNA (EY Lab)
SSA
Anti-LeA
MGL 416
WT GalectinB
PA-IL
WGA multivalent
TbFBP1
SRA
SRA
RCA
RCA
WGA
WGA
MGL-1B
CC1G-10077
MGL-6A
MGL-6A
rsGL
DBA
DBA
HPA
HPA
WFL
WFL
Native HPA
HPA
DC-ASGPR short

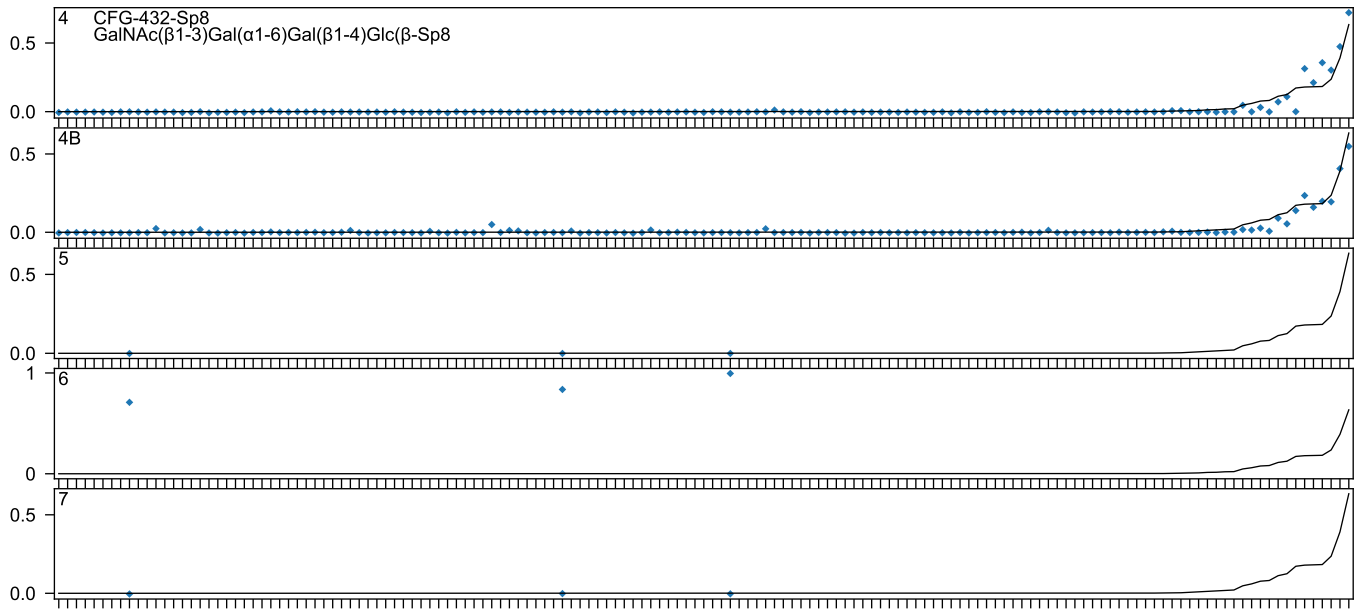

4
CFG-427-Sp19
Gal(α1-4)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(α1-4)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp19
4B
5
6
7
0.0
0.5
2
PNA
LEA
PHA-L
BPL
BP
MGL
abo
LEL
WGA(Seikagaku Bio)
UEA-I
PHA-E
PHA-L
PSL
PHA-L
ABA
LSL-pAG
#14 Sialyl Lewis X (Calbio)
Mouse Galectin-1
Galectin-1
MGL
CTB
Tra
Galectin-1
AIA
Mouse NKR-P1C
hGal-1-488-BCR
Gal-3
hJAA-MGL
Epa1-Np mutant E227G
Sp Serotype 14 75
CA19.9-Ab (BRG)
MAA(Seikagaku)
WT Galectin-8
HAZ0 complex (BRG)
CA19.9-Ab (BRG)
WGA
HPA
HPA
AFCDEA1
MGL 6A-Ab
Epa1-Np mutant S272W
VLRB.aCD
DAC1
AAL
SSA
EEA(EY Lab)
#8 Lewis B (TYG)
CA19.9-16B4
Native HPA
Epa1-Np mutant E227A
PTA
HAA
SNA
Epa1-Np mutant Y228A
ABA
GS-II (EY Lab)
CSA(EY Lab)
MAL1
HML
HBL
MPL
Mono1 14 75
Sp Serotype 14 75
CA19.9-12
WGA
Epa1-NNAM
Epa1-NNAM
IPS-K-4
GNL
SSR1
MPA
Microvilin
#15 Sialyl Lewis X (BD)
Human Galectin-1
Anti-LeC
hum B11 VHH
RSL
Monoclonal
DC-ASGPR-CNL
MNV VLP
Tra
TcBPL1
SNA
SNA
SJA
NPL
LCH
DSL
ME7(detected with a-HUD)
AOL (Matrial Lab)
BTN native
VVHA(recombinant)
GNA (EY Lab)
CGL
ME5(detected with a-HUD)
HHA(EY Lab)
CnSepL
CnMPL
WGA
CC1G
CC1G (EY Lab)
RCA(Vector Lab)
CA
GSL-I B4
WFA
PACC
CorA
CorA
GSLA
CorA
ARL
WGA multimer

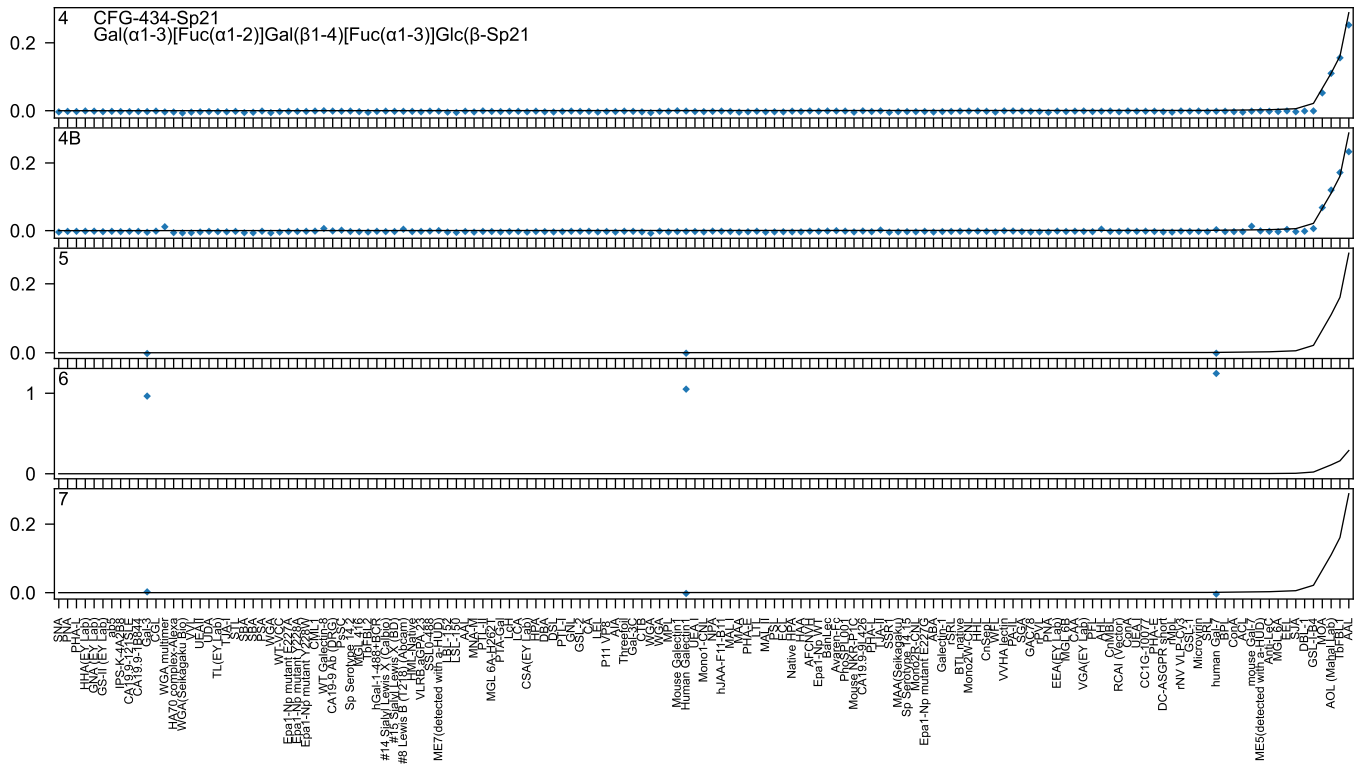

4
CFG-428-Sp24
Gal(α1-4)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(α1-4)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
2
0
PSL
MAA(Seikagaku)
#14 Sialyl Lewis X (Calbio)
ABA
TAA
UDA
EVA
SSL0-488
AIA
AAA
DSA
EEL
MGL 476
HA70 complex-Alexa
SNA
SRA
AAL
PhoSPLA1
PPA1
EEA(EY Lab)
GSL-I-B4
AOL(Matreal Lab)
Threefold
PTA
Mouse NKR-P1C
MVA
MGL 6A-H2621
Epa1-Np mutant E227A
CA19.9-Galectin-8
CA19.9
MGL-488
UEA-I
Sp Serotype
CA19.9 (Abcam)
CA19.9
CBA-1
GSL-I-A4
AEY (Lab)
CSA(EY Lab)
PHA-L
Epa1-Np mutant Y228A
LSL-1-50
GAC-78
hGal-1-488
PHL
GNL
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E227G
PA-Sal
TJA-I
CGA
MOA
CAA
Epa1-Np mutant Y228G
HSL-K-42289
LBL-102
LBL-102
VGA
#15 Sialyl Lewis X (SIBR)
HAA
WGA(Seikagaku)
VSA(EY Lab)
SBA
CA19.9-9L
Mono1-CONI
Avigan-Fc
DC-ASGPR-Biot
MAL
MGL-6A
VLRB.aGP23
PFT
PNA
WGA
DBA
UEA-I
HML-Nipe
VIA
ACL
Sp Serotype_4-15
hJAA-F
MAL-II
Naïve HPA
Epa1-Np
Mono2-CONI
TcFBL1
Mon22WCONI
Galectin-1
PCA
P11 VP8
Gal-3
rNV VP8
TcFBX2
Anti-EpC
Human Galectin1
Mouse Galectin1
MMA-M
GVL
mouse Gal-7
VVHA(Lectin
CnMGL
SNA
human-Fc(Lab)
NPA
ME7(detected with a-human
ME5(detected with a-human
RT1-Naïve
GNA (EY Lab)
SBA
HHA(EY Lab)
CGL
GSL-I-B4
PHA-E
CC1G-1
SBA
Cn-Sep1
GSL-I-A4
TJA-I(EY Lab)
RCA(Vector)
PAL
ConA
WGA multimer

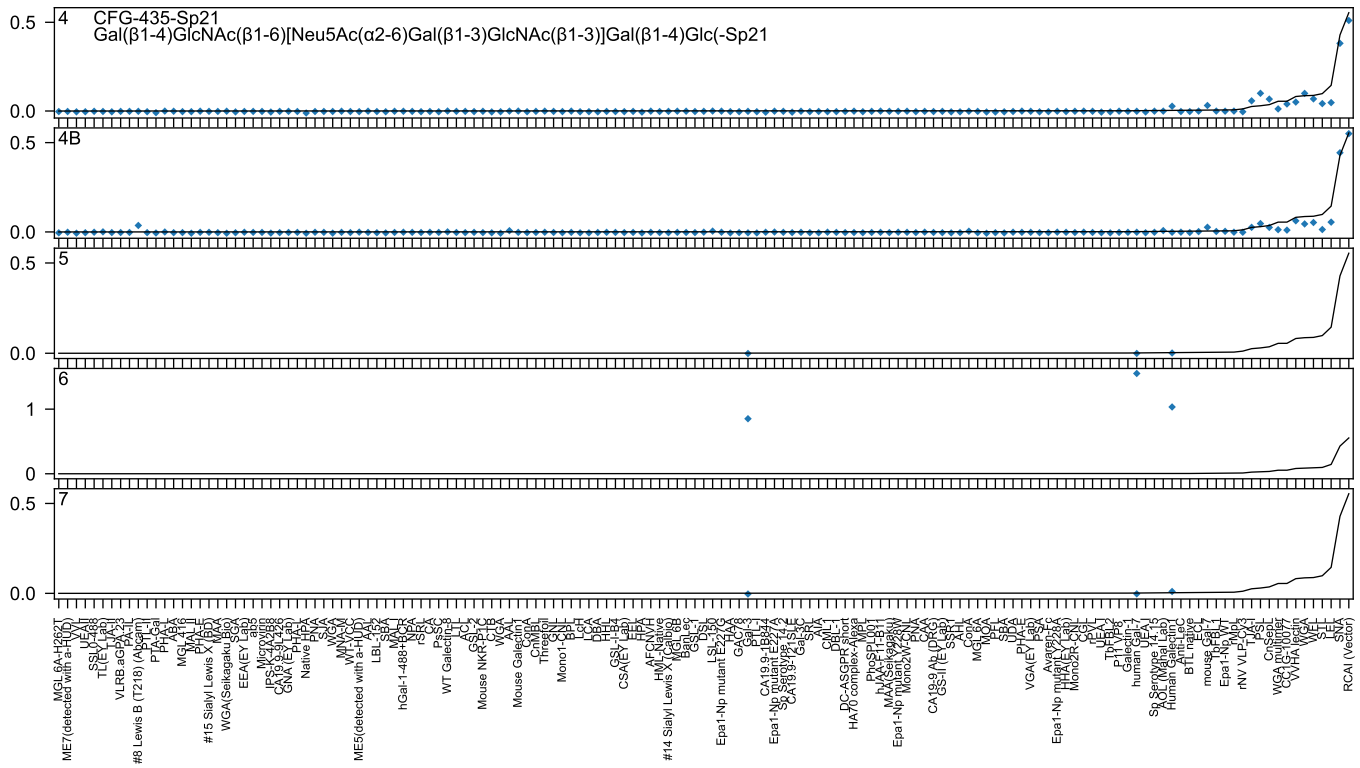

4
CFG-429-Sp14
Gal(α1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
GS-II (EY Lab)
BPL
Mono2W-ABA
AOL (Matsal Lab)
WGA
IPS-K42/B8
CA19.9-12/1-SVE
WGA multimer
SSA
Native HPA
WGA(Seikagaku)
TL(EY Lab)
UEA-I
LCA
SBA
EEA(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
Epa1-Np mutant 72/2-A
Epa1-Np mutant 72/2-A
PhoSHOOH
CA19-9 Alexa
Sp Serotype 14-18
#14 Sialyl Lewis X (Calbiochem)
MGL 418
AFCNVH
ME7(detected with a-HUD)
WT-XCC
MVGA
VGA(EY Lab)
UEA-I
SJA
BRA
VLRB.aGPA 23
MGL 6A-H2e2
CorA
DSA
ETA
PHL-1
CSA(EY Lab)
PT1
VGB
WGA
VGA
ECL
Coprin
Thrombin
hJAA-F11-BTI
LCA
PHA-E
MNA
CNL1
Mono1-CNL
Mouse IgM 14-5
SSA(Vector)
Epa1-Np WT
Epa1-Np mutant E2/2
TPA
HPA
HAA
PHA-L
Barley Lex
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant
HML-Native
#15 Sialyl Lewis X (BD)
PSA
Mpa
LBL-I
MAAA(Seikagaku)
TbFBP-1
CA19.9-9/1-abs
PSB
MGL-88
MGL-89
MAA
CA19.9-18/244
hGal-1-488-BCR
Mono2R-CNL
PIL
DC-ASGPR ectodomain
LCH
HA70 complex-Alexa
SSL0-488
rNV VP1-Cy3
pTA-Gal
VVHA(Vector)
UEA-I
BTL native
Mouse Galectin-1
Gal-3
RCA I Alexa
ME5(detected with a-HUD)
Galectin-1
WT-Galectin-8
CCTG DB/17
Human Galectin1
human Galectin-1
CnSepl
mouse Gal-7
GSL-I-B4
rSSL
SSL7
SSL5
SSL2
TbFBP-1
ALA
MOA

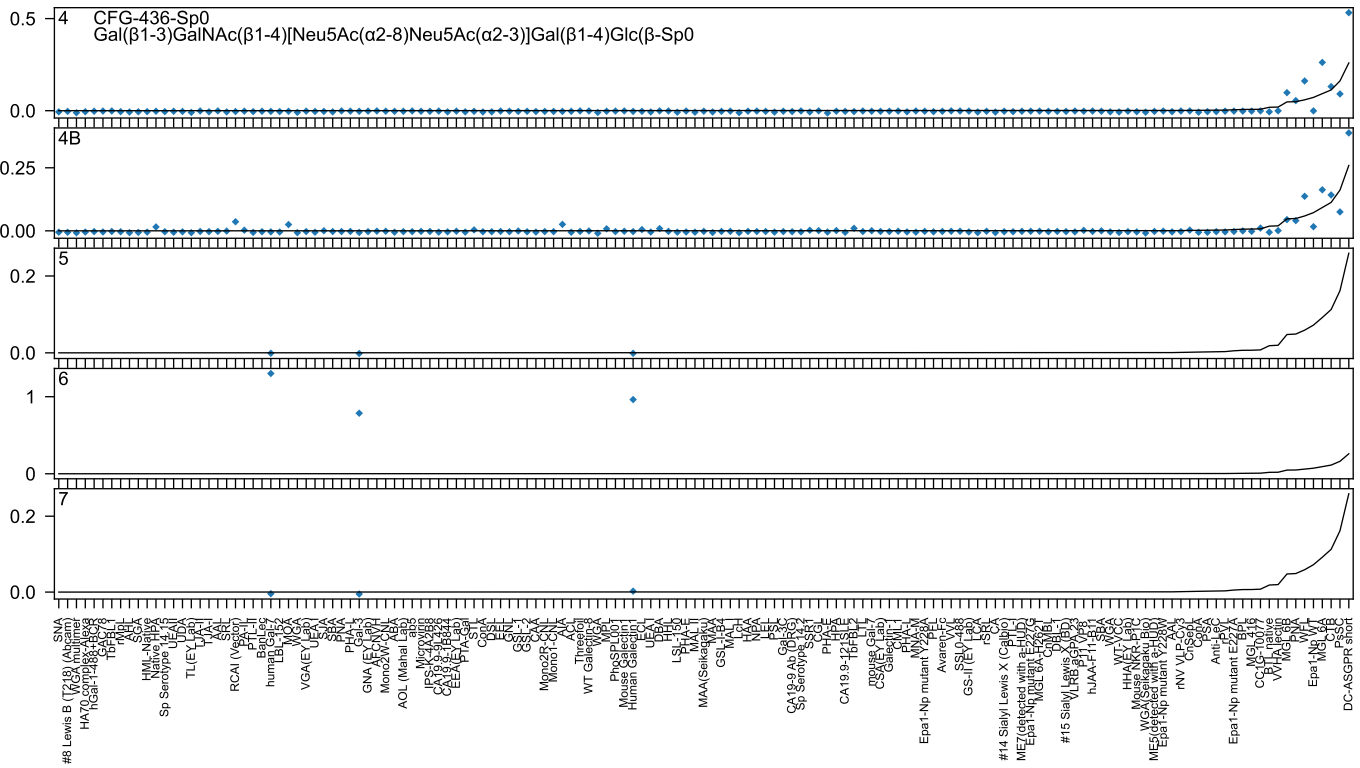

4
CFG-430-Sp0
Gal(β1-3)GlcNAc(β1-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.2
0.0
1
0
SNA
GNA (EY Lab)
Mono2W-CNL
ABA
AOL (Mahal Lab)
JRS-K-44
ABS
CA19.9-18B44
BanLec
WGA mutant
HA70 conjugate-Alexa
HHA(EY Lab)
ACL
Native-PPA
PNA
PAA
UEAII
UDA
TL(EY Lab)
LCA
SSA1
SSA2
PhaL
SBA
PhoSL
PhoSPNP1
CA19-9 Ab (PRG)
PSA
MGL-6-18
hGal-1-488+EDTA
#15 Sialyl Lewis X (BD)
#8 Lewis B (72-18) (Kelly)
PNA
ME7(detected with a-hUD)
LSL-150
ME5(detected with a-hUD)
MVGA
VGA(EY Lab)
rNV VLP
SVA
hJAA-F11-B11
GNA
WGA
GSL-I-B4
CSA(EY Lab)
ACL
HEA
DBA
PNA
P11 VB8
EFL
GSL-I
CA
MPL
CAA
AAL
MAL
PHA-E
PHA-L
PSL
PTA-Gal
PTL-I
UEA
MAA
MAA(Seikagaku)
MVL Galectin-9
CA19.9-21SLE
CA19.9-SLE
SSL0-488
ConA
HML
Mouse NK-Receptor
TcFBL1
VLRB.aGPA 133
Mouse Galectin-7
GS-II (EY Lab)
MGL 6A12B1
MGL 6H1B6
GAL7
GAL8
MGL2
Mono2-CNL
HPA
#14 Sialyl Lewis X (Calbio)
AVEA(EY Lab)
EEA(EY Lab)
Sp Serotype 14
Sp Serotype 12
DC-ASGPR
SNA
Mono1-CNL
Gal-1
Gal-3
WGA(Seikagaku Bio)
DSL
Threelegl
Sp Serotype 17
LBL-152
Epa1-Np mutant Y228A
LBL-162
Epa1-Np mutant Y228V
CGL
Mouse Galectin1
Galectin-1
Human Galectin-1
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
VVHA
human Galectin-7
BP
Epa1-Np WT
WFL
Epa1-Np mutant E227A
CCL-1-10077
RCA(Vector)
Anti-LeC

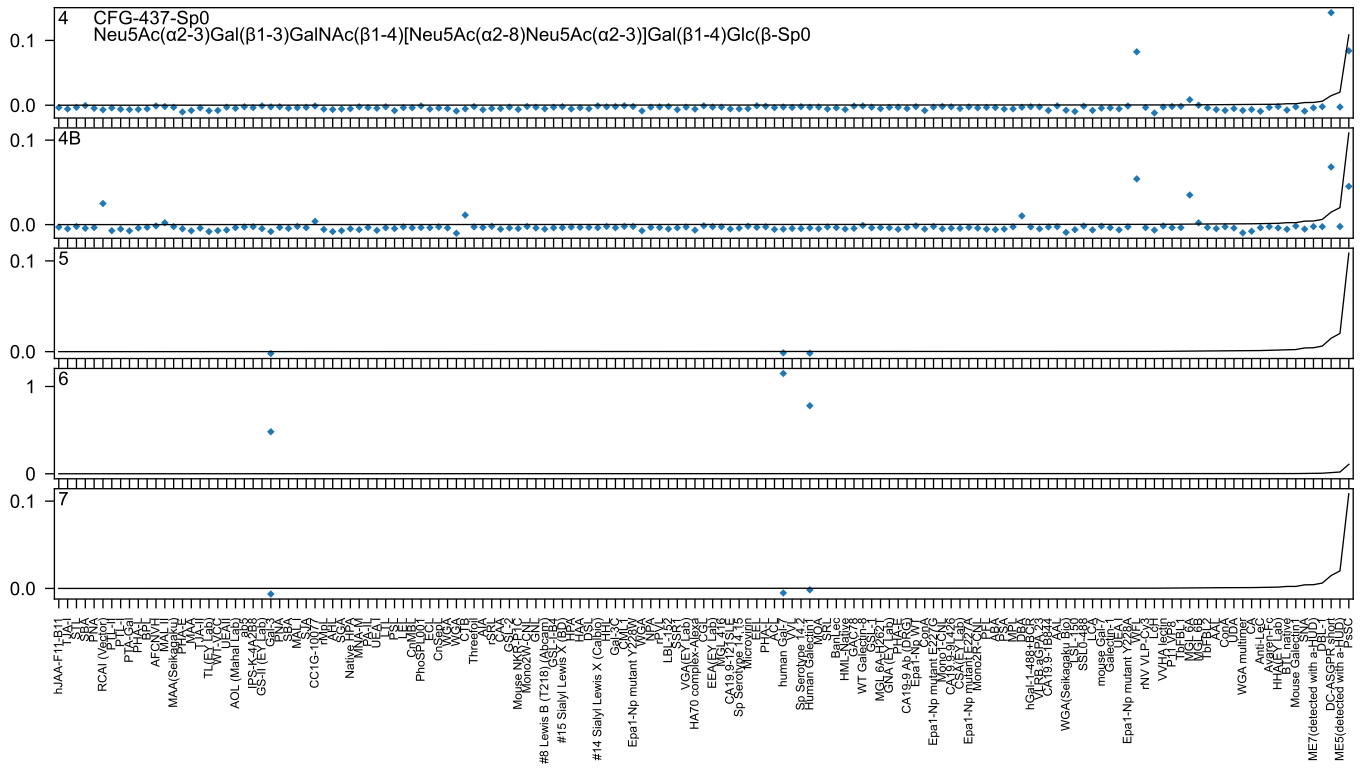

4
CFG-431-Sp0
Gal(β1-3)GlcNAc(α1-6)Gal(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
ANL
EEA(EY Lab)
GSL-I(EY Lab)
Mono2W-Lab
ABA
AOL (Maina Lab)
CA19.9-12(SCE
Galectin-1
HPA
TxBL1
Native
SBA
WGA(Seikagaku_Bio)
UEAII
UDA
TL(EY Lab)
LAI
BSA
PNA
GNA (EY Lab)
PHA-L
PHA-E
ConA
ConBR
PhoSL
PNL
Avarigin-Fc
hGal-1-488+BCR
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T2 Mol Native)
VLRB.aGP.488
ME7(detected with a-HUD)
LBL-185
ME5(detected with a-HUD)
WFA
MOX
MNA-M
MNA-O
UEA1
PNA
PTL-I
hJAA-F
PTL-II
HPA
DBA
DSL
GSL-I
Lectin
CSA(EY Lab)
CAA
CSA
Mono2R-CNL
AIA
ECL
UEA1
CA
GSL-I-B4
PWA
LCH
MAA(Seikagaku)
NPA
PHA-E
MAA
ACL
Epa1-Np mutant Y228A
CA19.9-1B78
Mouse NKR-P1c
WT Galectin-1
CA19.9-1B44
WT Galectin-3
Epa1-Np mutant E227G
GAL8
#15 Sialyl Lewis X (Calbio)
VVL
Gal-3C
Gal-1A
MGL-6A-126R
HHA(EY Lab)
ab5
HA70 complex-Alexa
p11 Type
Sp Serotype 14
SAA
VGA(EY Lab)
CA19.9-AB (DSHB)
Epa1-Np mutant Y228A
HA1
HA2
Sp Serotype 14
Epa1-Np mutant E227A
BanLec
ABL
rSAA
STL
Mouse Galectin-7
AVA
ThBL
BTL native
WGA multimer
Galectin-4
AOL
Epa1-Np WT
DC-SIGNR
RNV VLP-Cy3
Galectin-8
Human Galectin-1
DSL-1
human Gal-7
BPL
VVHA
WFL
SNL
CC1G-10077
mouse Galectin-1
RCA(Vector)

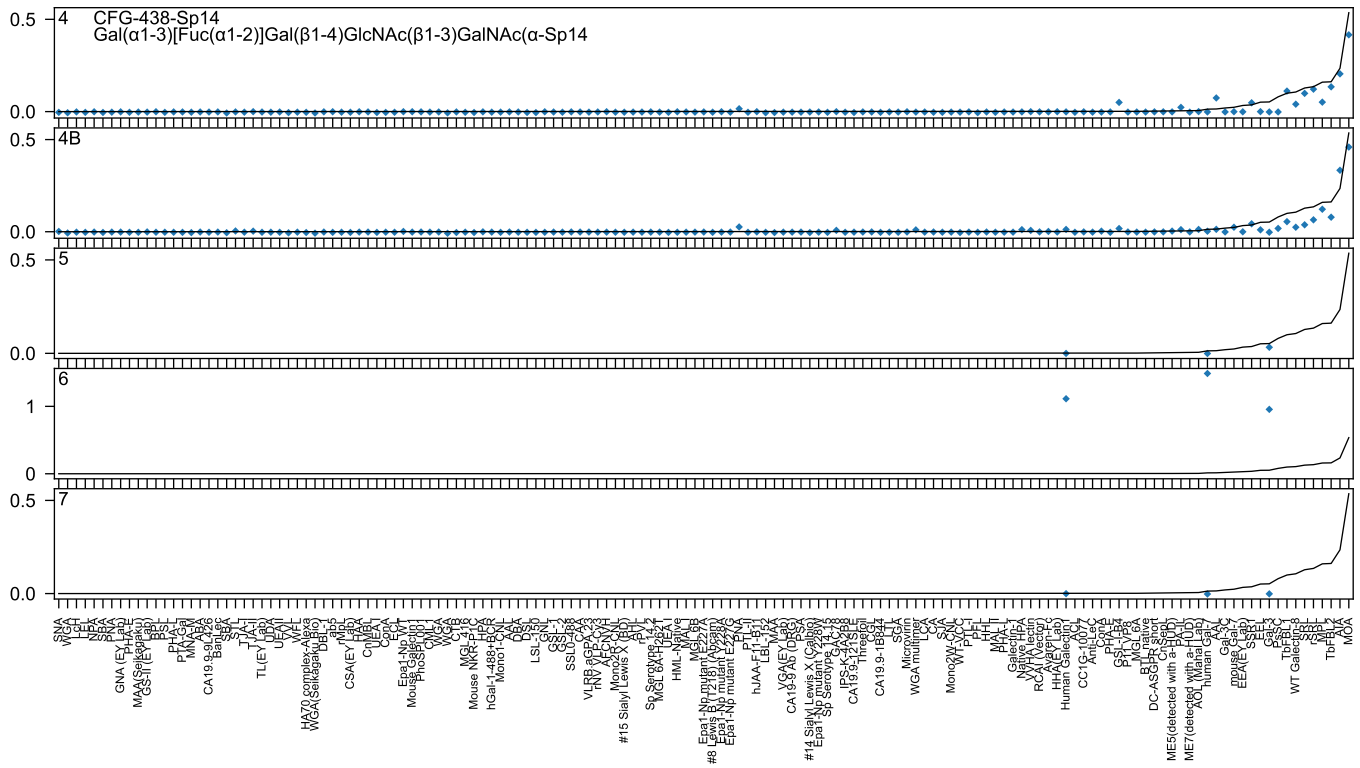

4
CFG-432-Sp8
GalNAc(β1-3)Gal(α1-6)Gal(β1-4)Glc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
SNA
BNA
PHAL
EEA(EY Lab)
GSII(EY Lab)
JRS-K-4A8
CA19-9-1A8
Bar-3
SSBS
Native UEA
UDA
TL(EY Lab)
SSL
SSI
PTL-I
PSA
PTA-Sal
VGA(EY Lab)
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
PhoS PNU
WT Galectin-8
CA19-9 Galectin-8
Galectin-3
SBA
Sp Serotype 1
Sp Serotype 3
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
PNA Native
Sa-HUB
MEF(detected with a-HUB)
MEB(detected with a-HUB)
WFA
MOX
UEA
hJAA-F11-B1
MAL II
DSA
PHA
STB
GNA
P1-Pb
GSL-A4
Mouse Galectin1
Human Galectin1
LCA
GSL-B4
LEL
CoA
MAA
MAL
RCAI (Vector)
Mouse NK-2-1-8
PAL
VGA
CA19.9-18B4
Wheat germ
AOL (Mahal Lab)
human GBF
Microvirin
Tnfa
HPA
Sp Serotype 14
Gal-3C
CA19.9-1-2-3(VE
CA19.9-1-2-3(VE
SBA
Epa1-Np mutant E22E
Epa1-Np mutant Y228A
#8 Lewis B (T218) (Abcam)
HHA(EY Lab)
LBL-182
VLRB.aGPC23
HA70 complex-Alexa
PHAL
Bar-1
SAA
MAA(Seikagaku Biol)
MAA-II
ABS
WFA
mouse Gal-1
BTL native
TbGBA
GNA (EY Lab)
PHA-E
PHA-L
rNV VP1
Mono2R-CNI
PNA
ConBr
TcRBL2
rnGal
WGA(Seikagaku Biol)
WGA multimer
CGL
WGA
Cnt-B
Mono1-CNI
MGL-2(EY Lab)
OSA
MGL 478
VVHA-Nacs
Bast90
CC1G-1007
MGL 6A-H2621
MGL V155
VVL
MGL 6A
DC-ASGPR short


4
CFG-434-Sp21
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]Glc(β-Sp21
4B
5
6
7
0.2
0.0
1
0
SNA
BNA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
GS-II (EY Lab)
IPS-K-4A
CA19-9 (BSLE
Gal-3
WGA multimer
HA70 complex-Alexa
WGA(Seikagaku 900)
UEA
TL(EY Lab)
SAT
SBA
PNA
WGA
WT-Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
CML1
WT Galectin-1
CA19-9 Sa
Sp Serotype
WGL 416
#14 Sialyl Lewis X (Calbio)
#8 Lewis b (Calbio)
VLRB-Native
SSC-468
ME7(detected with a HUD)
LSL-150
MNA
PHA-E
MGL 6A
CSA(EY Lab)
LCH
DBA
DSL
PSL
GSL-I
GSL-2
LEL
P11
VFA
AIA
Threefold
Galectin-8
WGA
WGA
WPA
Mouse Galectin1
Human Galectin1
BPA
Mono1-KDA
hJAA-F11-B11
MAA
PHA-E
MALT
ESL
Native HPA
AFCN
Epa1-Np WT
Avidin
Bean-Ec
PNA-SBT-001
Mouse CA19-9-426
CA19-9-426
PHA-L
SSR1
MAA(Seikagaku)
Sp Serotype
Mono2B-CONC
Epa1-Np mutant E227A
ABA
Galectin-1
BTL
Mono2W-HNL
Cn-SBP
VVHA lectin
PSA
GAC78
PVL
EEA(EY Lab)
MGL 6A
VGA(EY Lab)
AHL
RCAI (Vector)
CC1G-1007
PHA-E
DC-ASGPR Rabbit
rNV VLPs-573
Microvigin
human Gal-7
BP
CCA
CCA
mouse Gal-7
ME5(detected with a HUD)
Anti-Lac
MGL6A
DBA
STA
DSL
GSL-I
AOL (Maltal
MOA
AAL

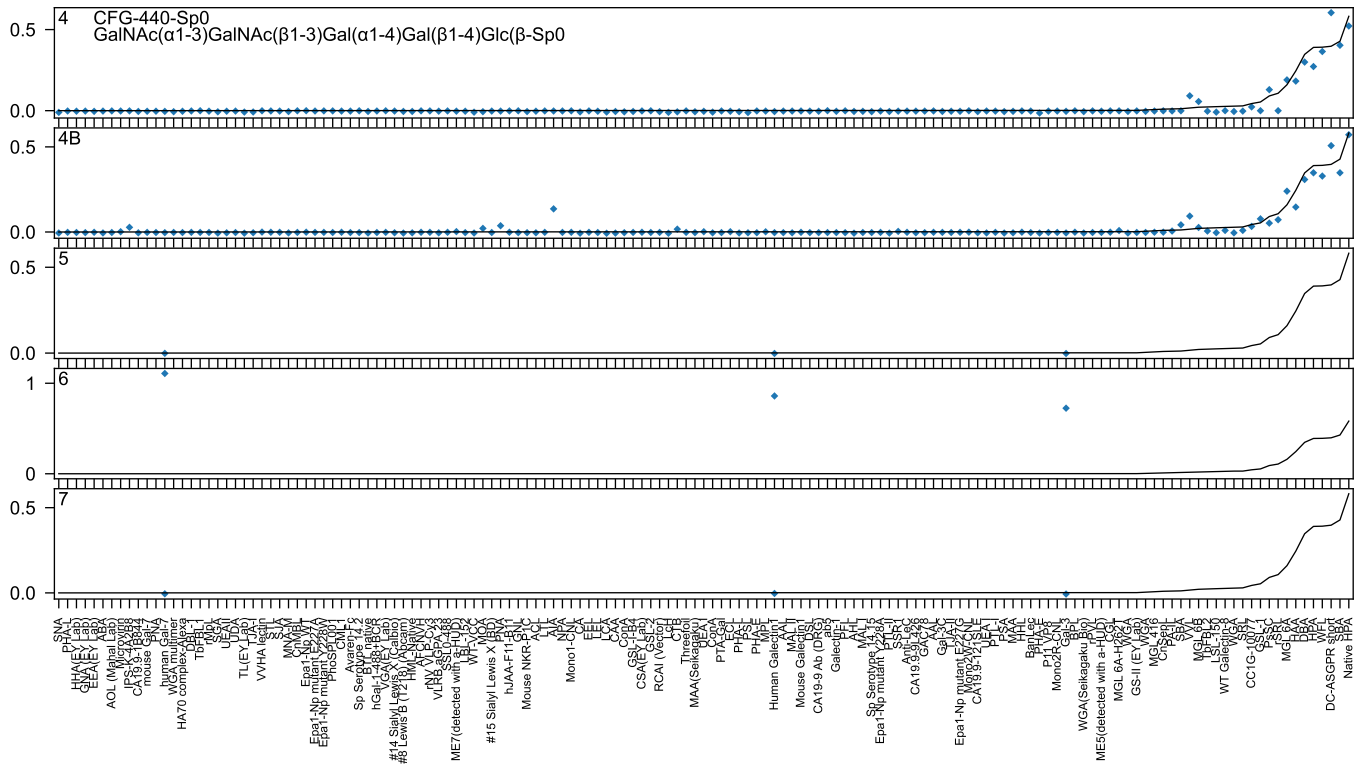

4
CFG-435-Sp21
Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-6)Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H (PDT)
ME7(detected with a-H-PUD)
VVL
UEA
SSL-I 488
TL(EY Lab)
VLRB.aGPA
#8 Lewis B (T218) (Abcam)
PNA
PHA-E
ABA
MGL-II
MAL II
PVL(EY)
#15 Sialyl Lewis X
WGA(Seikagaku)
EEA(EY Lab)
aiso
Microvil
PSA-C 488
GNA (EY Lab)
Native PHA
PHA
PNA
VGA
WFA
ME5(detected with a-H-PUD)
LBL
ACA
SBA
hGal-1-488
NCA
RCA
PsSS
WT Galectin
Mouse NKR-P1C
VGA
AAL
Mouse Galectin
CnMBL
Tomato
GNL
Mono1-488
LCH
DBA
HPA
GSL-I-B4
CSA(EY Lab)
EFA
HA (FLU/H)
#14 Sialyl Lewis X
WT Galectin
NGL 488
GSL-I
LSL-II
Epa1-Np mutant E227G
GAL8
CA19.9-1B84
Epa1-Np mutant E227A
Sialyl Lewis X
CA19.9-1116-NS-19-9
Gal-3
DSL
DC-ASGPR short
HA/70 complex-Alexa
Myo-PT-891
hMAT (Seikagaku)
Epa1-Np WT
Mouse M2-M2
PNA
CA19.9 Ab (PRG)
GS-II (E Lab)
SAL
AH
MGL
MGA
SBA
UDA
PUL
VGA(EY Lab)
PSA
Avarex
Epa1-Np mutant Y228A
Mouse CRD
OGL
UEA1
PTL-II
Galectin-1
human Gal-1
Sn Serotype 14,15
Human Galectin
Anti-Lec
BTL mutant
mouse Gal-1
Epa1-Np WT
rNV VLP-003
TJA-I
CnSeL
WGA (Vector)
VVHA
Jacalin
WFA
STL
SNA
RCAI (Vector)

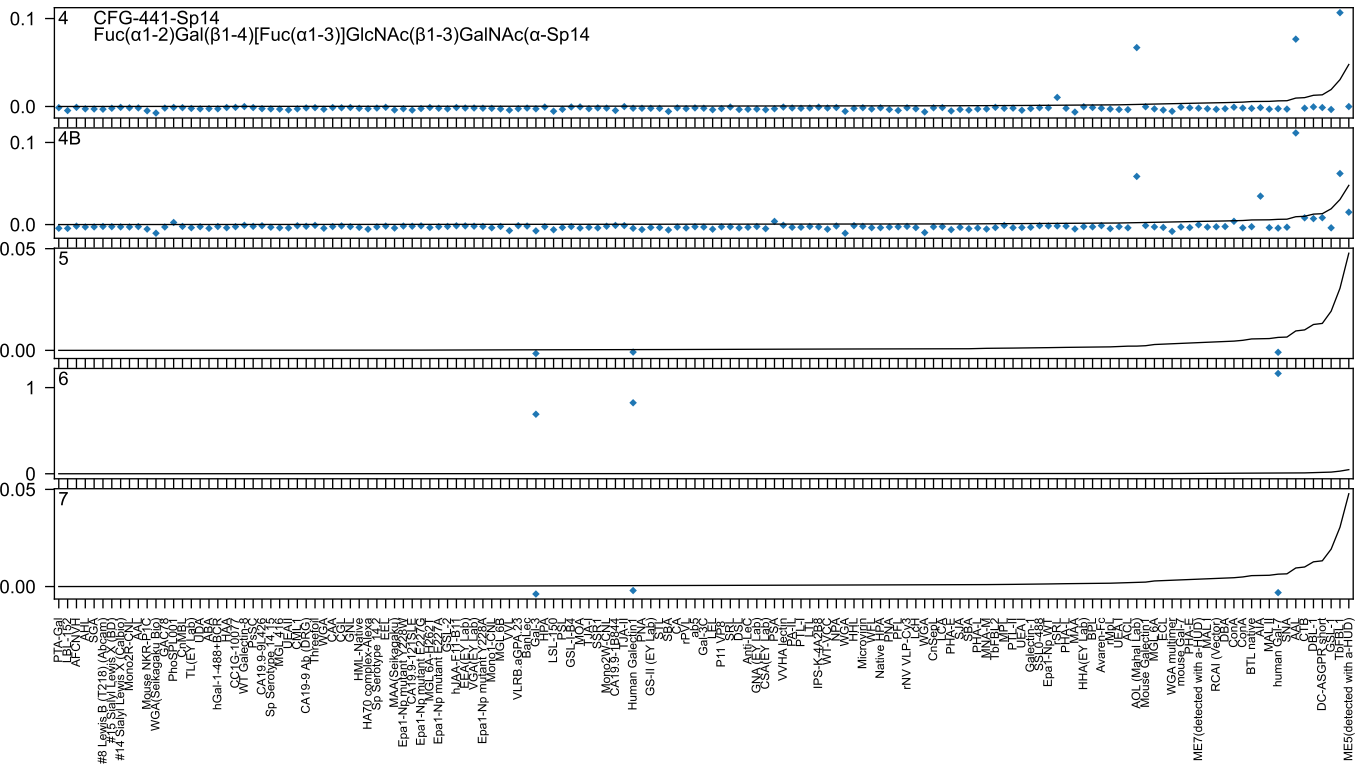

4
CFG-436-Sp0
Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
0.5
0.0
4B
0.25
0.00
5
0.2
0.0
6
1
0
7
0.2
0.0
SMA
SIA
WGA multimer
HA70 (Abcam)
hGal1-12B8-Hec8
Galectin-3
TBG
mIgG
SGA
HML-Native
Native 4-15
Sp Serotype 4-15
UEAII
TL(EY Lab)
DAI
AAL
Stc
RCAI (Vector)
PA-II
BanLec
humanGal-7
LTA
MOA
VGA
VGA(EY Lab)
UEA
SBA
PNA
PHA-L
Gal-3
GNA (EY Lab)
Mono2W-CNT
AOL (Mahal Lab)
abs
Microvin
IPS-1-12B8
CA19.9-9-1422
CA19.9-9-1422
EEA (EY Lab)
PTA
Sal
CorA
EEL
SNT
GSII-2
GSII-4
Mono2R-CNT
Mono1-CNT
AIA
Threo
WT Galectin-3
WGA
PhoSPI
MPI
Mouse Galectin1
Human Galectin1
UEA
SBA
HPA
LSL-150
MAL II
MAAA(Seikagaku)
GSL-I B4
MAL I
NPA
NEA
PSL
CA19-9 Ab (DRG)
Sp Serotype 14-17
CGL
PHA
HPA
CA19.9-12-1-LE
Tbr
DTA
mouse Gal-7
Gal-1 (Lab)
Galectin-1
PWM
Epa1-Np mutant Y224A
PEA
Avarol-Fc
SSL-488
GS-II (EY Lab)
rSRS
#14 Sialyl Lewis X (Calbiochem)
MEZ(detected with a-Fc)
Epa1-Np mutant E224G
MGL 6A (Tomo)
DBL1
#15 Sialyl Lewis X (BD)
HEA
P11-Vp3
hJAA-F11-Sb
SBA
VCA
WT-Lectin
HHA(EY Lab)
Mouse NKR-P1
WGA(detected with a-HIgG)
MEB(detected with a-HIgG)
Epa1-Np mutant Y224W
rNV VLP-Cy3
CrSA
CorA
Anti-Epa1
PEA
PWM
Epa1-Np mutant E224A
EpA
MGL 416
CCL2
BPT native
VVA
MGL 6A
PNA
Epa1-Np WT
MGL 6A
PsSR
DC-ASGPR short

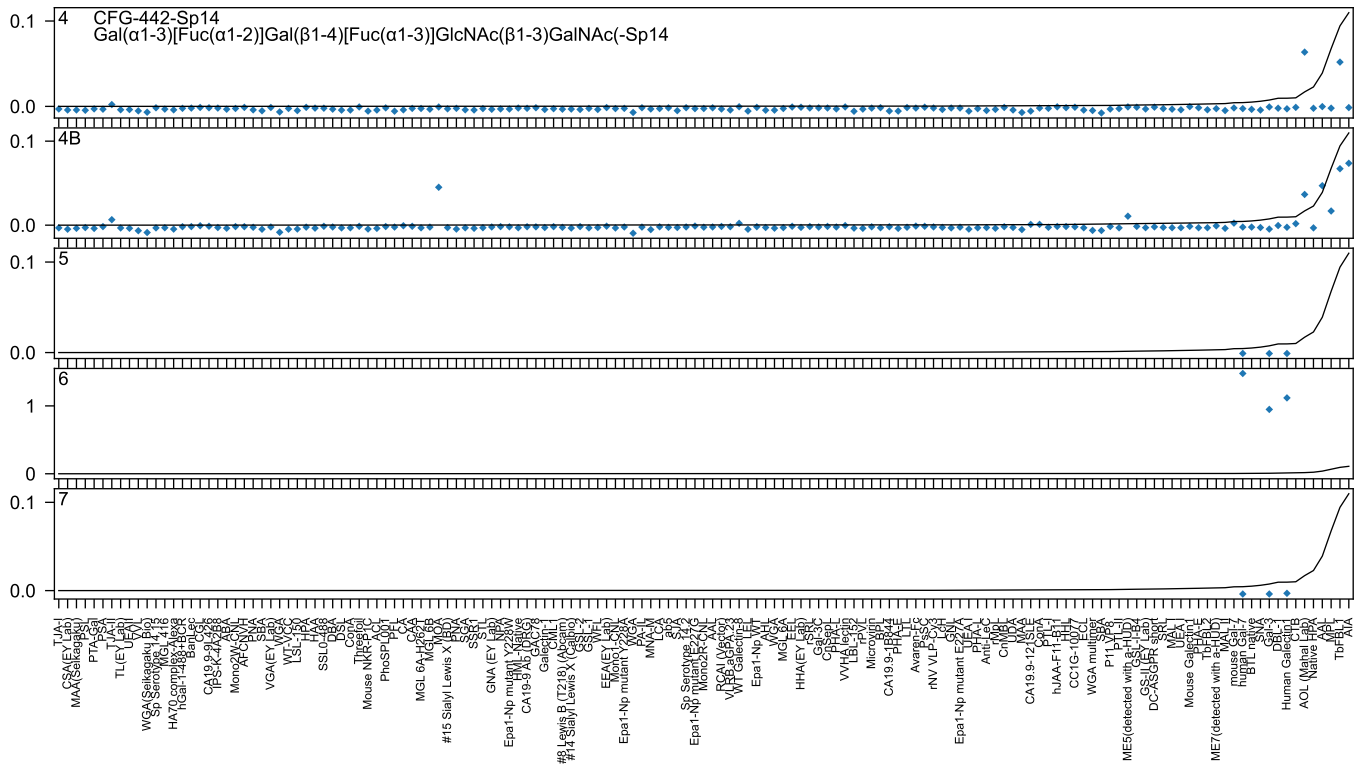

4
CFG-437-Sp0
Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.1
0.0
1
0
hJAA-F11-B1
SJT
SJL
PNA
RCAI (Vector)
PTL
PTL-Gal
PHA-E
BPL
ATX
KALH
MAA(Seikagaku)
PHA-L
MAA
TL(EY Lab)
WT Lectin
AOL (Matsal (EY Lab))
JFS-K-44-1
GS-II (EY Lab)
Gal-3
SBA
MALA
CC1G-10077
NAH
Native SSA
MAA-N
DSA
UEA-I
LTL
PSL
Con-A
PhoSPL
LCA
Con-B
WGA
Thrombin
AAL
AAA
GSL-2
Mouse NK-1
Mono2W-CNT
GNL
#8 Lewis B (T218) (Abcam)
GSL-IB4
#15 Sialyl Lewis X (BD)
BDA
HAA
#14 Sialyl Lewis X (Calbiochem)
HPC
GNA
CVN
Epa1-Np mutant Y228V
NPA
NPL
LBL-142
VGA(EY Lab)
HA70 complex-Alexa
EEA(EY Lab)
MGL-418
CA19-9-12-15
Sp Serotype 14
Microvilin
PHL
human CVN
Sp Serotype 14.2
Human Galectin-3
MOA
Sec
Bauhinia
HML-Native
WT Galectin-8
Galectin-7
MGL 6A (EY Lab)
GNA (EY Lab)
CA19.9 Ab (DRG)
Epa1-Np WT
Epa1-Np mutant E227G
Mono1-CCR
CA19-9-12-15
CSA(EY Lab)
Epa1-Np mutant Y228A
Mono2K-CNT
PEL
PSA
MPL
hGal-1-488+BCB
CRA 3(Ab 422)
VCA (BJ)
AAL
WGA(Seikagaku) BIO
SSL0-488
mouse Gal-7
Galectin-1
Epa1-Np mutant Y228A
nNV VLP
OCL
LGH
VVHA 6H8
P-11
TbFBL1
MGL-8B
TbFBL
AIL
CGA
WGA multimer
CA
Anti-IgG
Avarrh-Fc
HPA (EY Lab)
Mouse Galectin1
ME7(detected with a-SUD)
DBL-1
DC-ASGPR-Fc
ME5(detected with a-SUD)
PsSC

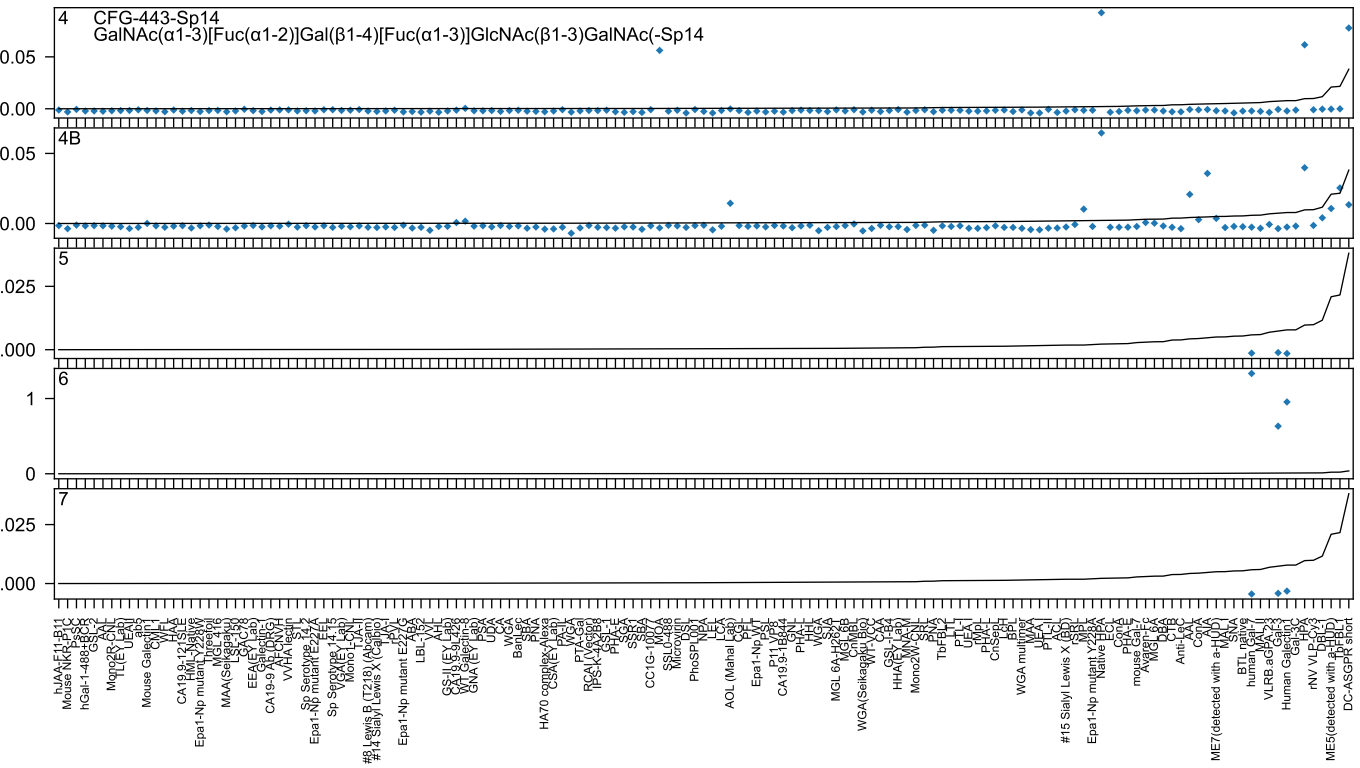

4
CFG-438-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
VGA
LCH
NPA
SBA
RCA
GNA (EY Lab)
MAA(Seikagaku)
PHA-E
GS-II (EY Lab)
BS-I
PHA-L
PWM
MNA-M
CA19.9-Ab
Ban-lec
SJA
TJA-I
TL(EY Lab)
UDA
UEA-I
VVL
WFA
HA70 complex-Ab
WGA(Seikagaku Bio)
DBA
Bs-I
CSA(EY Lab)
Mjo
HPA
CNA
ChBA
CorA
Epa1-No mutant
Mouse Galectin1
PhoSL
CNL1
WGA
CTB
Mouse NKG-A/B
hGal-1 488-Ab
Mouse CNL
AAL
DSA
LSL-Galectin
GSL-I
SSL-Galectin
CAA
VLRB ectodomain
HNP
ACA
Mono-Ab VH1
#15 Sialyl Lewis X (BD)
PUL
Sp Serotype 14-2
MGL 6A1
TEA
HML-Naive
MGL-8B
Epa1-No mutant E227A
#8 Lewis X (BD)
Epa1-No mutant Y228W
Epa1-No mutant E227A
Epa1-No mutant E227A
PNA
PTL-I
hJAA-F
LEL-152
VGA(EY Lab)
CA19.9 Ab (DRG)
#14 Sialyl Lewis X (Calbiochem)
Epa1-No mutant Y228W
Sp Serotype 14-18
PSL-Galectin
cA19/9-Ab
Threoglo
CA19.9-18934
LTA
Sialin
Microvirus
WGA multimer
CCA
SJA
Mono2W-Ab
WT SCC
PCL
PFL
HPA
HIT
BTA-I
Galectin-1
NPA-lectin
VVHA lectin
RCA (Vector)
WFA (Vector)
HHA(EY Lab)
Human Galectin
AOL
CC1G-1007
Ac-Lec
CorA
PHA-E
PHA-L
GS-I-VB
PTL-VB
BTA
Galectin
BJ-Lectin
DC-ASGPR shed
MEL
ME5(detected with a-Ab)
POD
ME7(detected with a-Ab)
AOL (Makai Lab)
human Gal-1
ALA
Gal-3C
mouse Gal-1
EEA(EY Lab)
SSB1
Gal-3
Gal-1
Tb-Lec
WT Galectin-8
SSB
GNL
Tb-Lec
ALA
MOA

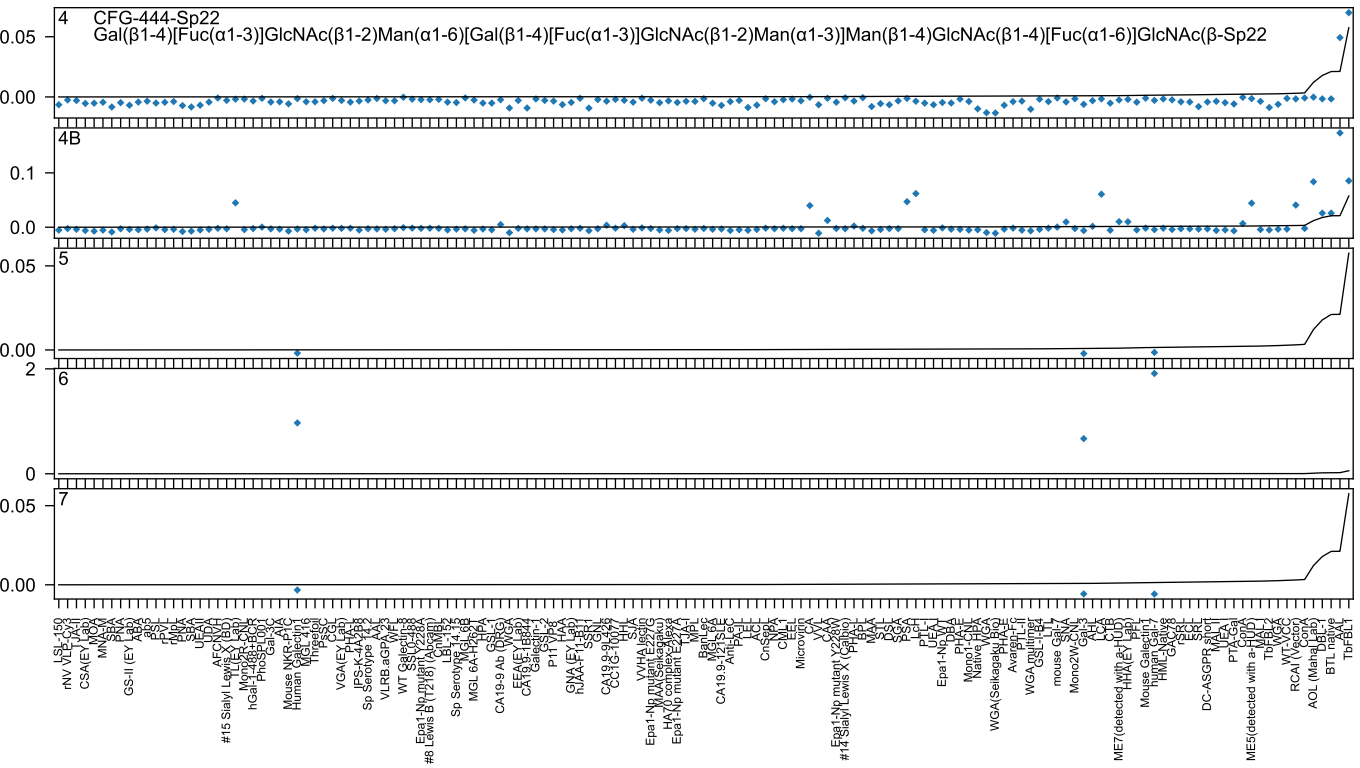
4
CFG-439-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
VVL
PNA
GNA (EY Lab)
GSL-I B4
LCA
LEL
NPA
UEA-I
GS-II (EY Lab)
MAL
MAA
MAA(Seikagaku)
PHA-L
SBA
PSL
PHA-E
PTL-II
PWM
CGL
RCA(Vector)
RCA I (Vector)
WGA (Vector)
WGA (Vector)
CCG-10101
AIA
SJA
SNA
TJA-I
TJA-II
IPS-K-4
BPL
PCA
DBA
DSL
Epa1-Np DSL
Epa1-Np mutant E226A
Epa1-Np mutant E226A
Human Galectin-1
CA19.9-Sp14
Galectin-3
GNA
WGA
ECA
hGal-1-488+BCB
#14 Sialyl Lewis X (Toronto)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-89 Abcam)
Mono2R-CNL
APC-NVJ
CA
LBL-162
GSL-I
SNA
AAL
WT Galectin-1
WGA(Seikagaku)
UDA
MGL 6A-HRP
UEA-I
DJA1-E1-B21
CA19.9-Sp14
ECA
TL(EY Lab)
Sp Serotype 14-15
UEA-I
VGA(EY Lab)
MNA-M
FSA
EEA(EY Lab)
BPL
Mouse NYR-226W
Epa1-Np mutant E226W
Sp Serotype 14-2
Bar-WF
mouse Gal-7
AAL
ACL
SBA
MOA
SSL Core
Core
PNA
AOL (Mahal Lab)
human Gal-7
CA19.9-Sp14
Avidin-Fc
VLRB-Alexa
HA70 complex-Alexa
DSL-1
Epa1-Np mutant E226A
WGA
CA19.9-12-Sp14
MALT
CSA(EY Lab)
PhoSL-Lectin
PhoSL-Lectin
CoA
SNA
MAL I
MAL II
HHA(EY Lab)
Mouse Galectin1
VVH-Cy3
BTL-native
BTL-native
MGL-6B
MGL-4B
MGL-4B
ACL-Lectin
GalNAc
Mono2V-CNL
Mono1-CCL
ME7(detected with p-HUD)
MGL-6A
Chitin
ME5(detected with p-HUD)
rNV VLP-Cy3
TcFBL1
WT Galectin-1
WGA
WGA
PSA
SSA
SSB1
TSA
TcFBL2
DC-ASGPR
AIA
Native HPA

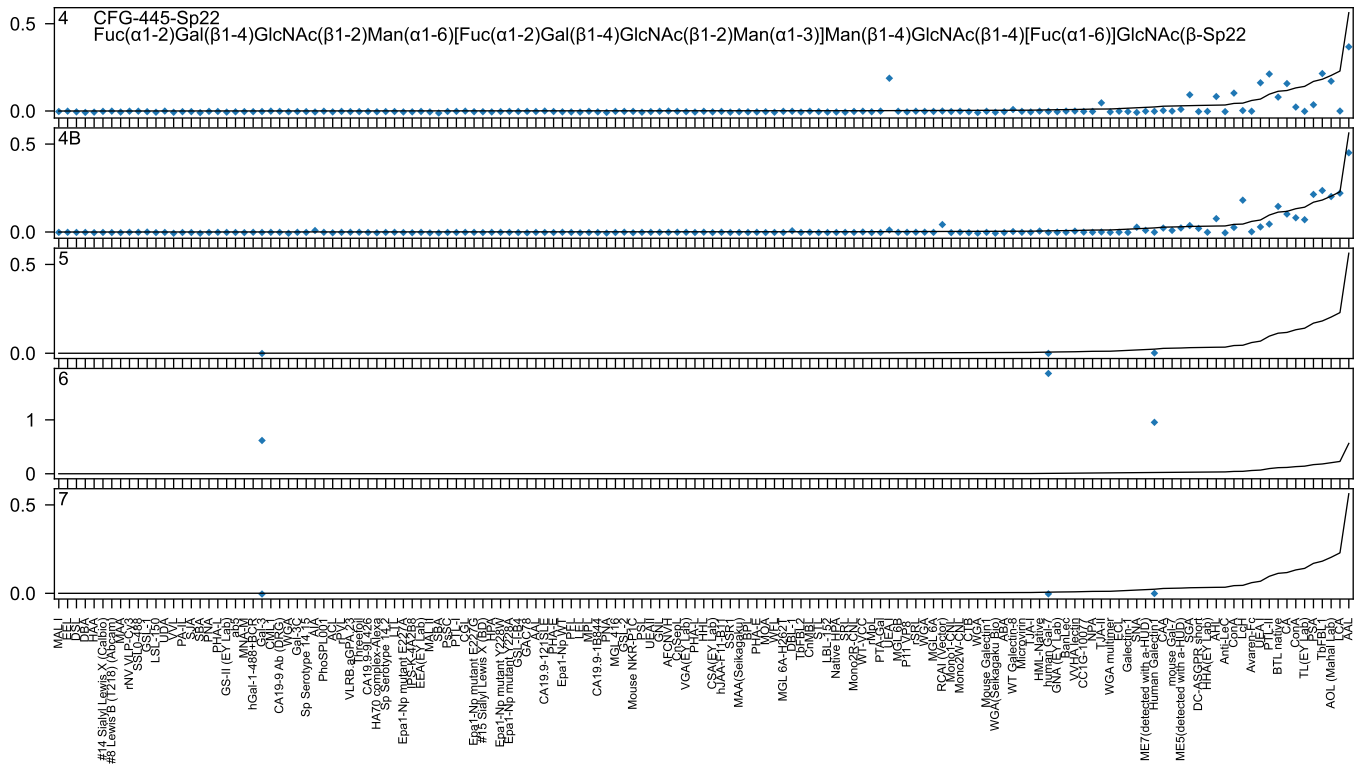

4
CFG-440-Sp0
GalNAc(α1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
UEA-I(EY Lab)
LTA(EY Lab)
CEA(EY Lab)
ABA
AOL (Matsu Lab)
Wisteria
CA19-9 (Abbott)
CA125 (Abbott)
mouse Gal-7
human Gal-4
WGA multimer
HA70 complex
DBA
TJA-I
TJA-II
SBA
UEA-I
PHA-L
TL(EY Lab)
ACA
VVHA lectin
STL
SJA
MNA-M
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant S227I
BPL
CML1
Sp Serotype 14 2
Avorn 14 2
hGal-1 Fab (above)
VGA(EY Lab)
#14 Sialyl Lewis X (Calbio)
#8 Lewis b (TEAL Antibody)
HMGA-native
rNV VP1 Cy3
vLRB-sGP-A 33
ME7(detected with g-HUD)
WFL (52
#15 Sialyl Lewis X
MOA
PNA
hJAA-F11-B11
Mouse NKR-P1C
AOL
AIA
ALA
Mono1-CNA
CA
EEL
CCA
CorA
GEV (Lab)
CSA(EY Lab)
GSII-2
RCAI (Vector)
CTB
Thrombin
MAAA(Seikagaku)
OEA
PTA-Gal
PTA
PSL
PHA
MPL
Human Galectin-1
MAL II
Mouse Galectin-1
CA19-9 Ab (DRG)
Galectin-3
PFL
MAL I
Sp Serotype 12 33
Epa1-Np mutant 12 33
PTA-I
SPC
Anti-SSEA-1
CA19.9 (Lab 426)
GNA
AAL
Gal-1
Gal-3
Epa1-Np mutant E227G
Epa1-Np mutant E227N
CA19.9 (Calbiochem)
UEA-I
PSA
MAA
MAH
Barley lec
P-ITA-F
Mono2R-CNA
GAP
WGA(Seikagaku, Bio)
ME5(detected with a-HUD)
MGL 6A-H
GS-II (EY Lab)
MGL 416
CPA
PEL
SPA
MGL 6B
LSL-B2
WT Galectin-8
VSA
SBA
CC1G-10077
PSA
PsaSC
MGL
RCA
HAA
DBA
WFL
DC-ASGPR
SJA
Native HPA

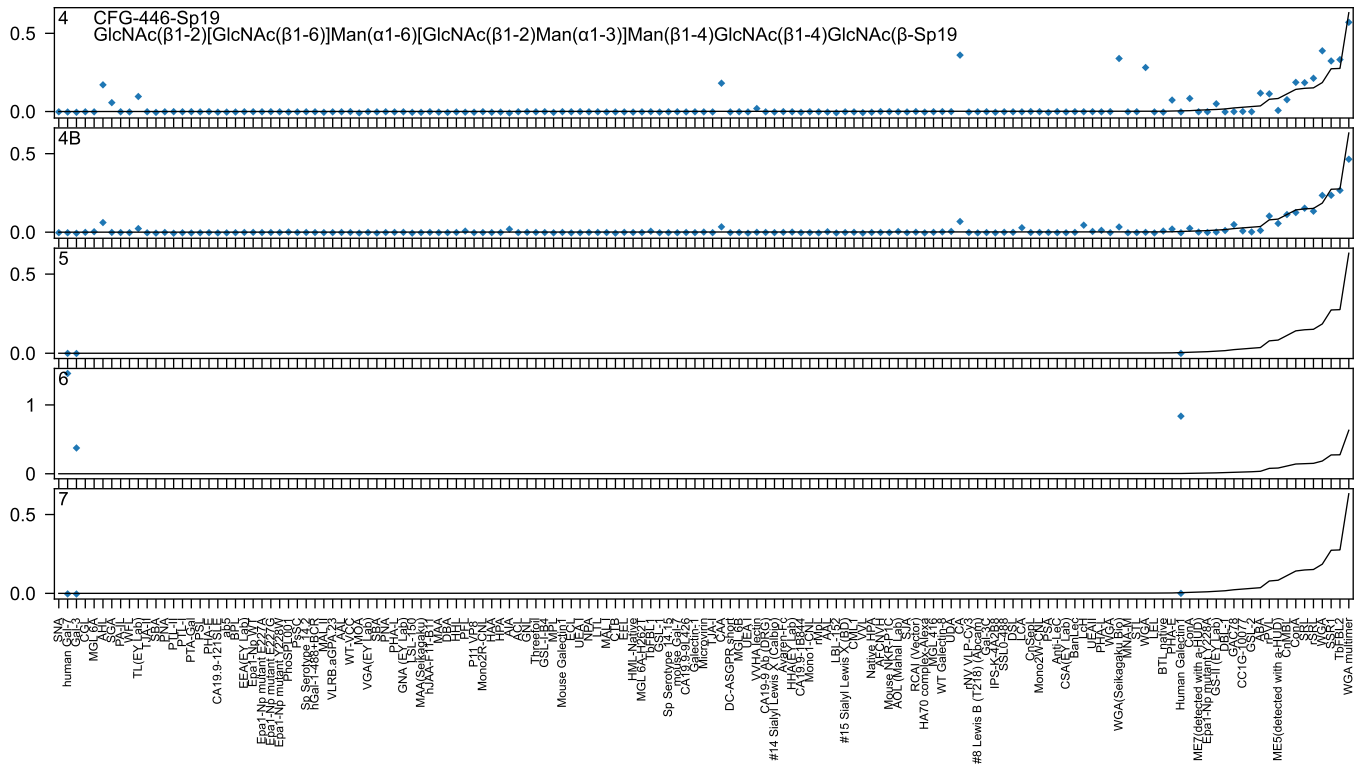

4
CFG-441-Sp14
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.1
0.0
0.05
0.00
1
0
PTA-Gal
LBA
APOVF
VFA
SGA
#8 Lewis B [7718] (Abcam)
#13 Sialyl Lewis X (Calbio)
#14 Sialyl Lewis X (Calbio)
Mono2R-CNL
WGA(Seikagaku) 859
Mouse NKR-P1C
PhoSL001
WFA (Lab)
TL(EY Lab)
UEA
hGal-1-488+BCR
GC1G-1047
WT Galectin-8
GC1G-1049
CA19-9-9-236
Sp Serotype 14 12
MGL-488
UEAII
CA19-9 Ab (ORC)
Threelol
VGA
CGL
HML-Native
HA70 complex-Alexa
Sp Serotype EEL
Epa1-NAnSeq
Epa1-NGlcNAcSeq
CA19.9-1-236-Alexa
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
hAA-E1-B11
VEA(EY Lab)
Epa1-Np mutant Y228A
Mono3
MGC-488
VLRB.aGP
VVL
Bandeiraea Lec
Gal-3
LSL-150
GSL-I-B4
GSL-I-A4
MOA
SSA
Mono2W
CA19.9-1-236
LCA
Human Galectin-1
PNA
GS-II (EY Lab)
SBA
SJA
rPCA
abo
Gal-2C
P11
VRA
DSS
Atty-Lec
GNA(EY Lab)
CSA(EY Lab)
PSA
VVHA
PSL
PTL-I
PTL-II
IPS-K1-A288
WT-Galectin-4
NPA
WGA
Microvilin
WFA
Native WFA
PNA
rNV VLP-C-1
WGA
CnSepA
PHL-E
SJA
SPA
PNA
MNA-M
Tn-MUC1
MPP
PTL-I
PTL-II
Galectin-1
SSL-No 488
Epa1-No 488
PhSRL
PWA
HHA(EY Lab)
Avarel-Fc
UMA
UEA
ACL
AOL (Mutant Lab)
Mouse Galectin-1
MGL-BA
WGA multimer
mouse Gal-7
ME7(detected with a-HUD)
MAL
RCAI (Vector)
DBA
ConA
BTL native
MAL I
human Gal-7
AAL
AAA
DSLB
DC-ASGPR short
TGFB-1
ME5(detected with a-HUD)

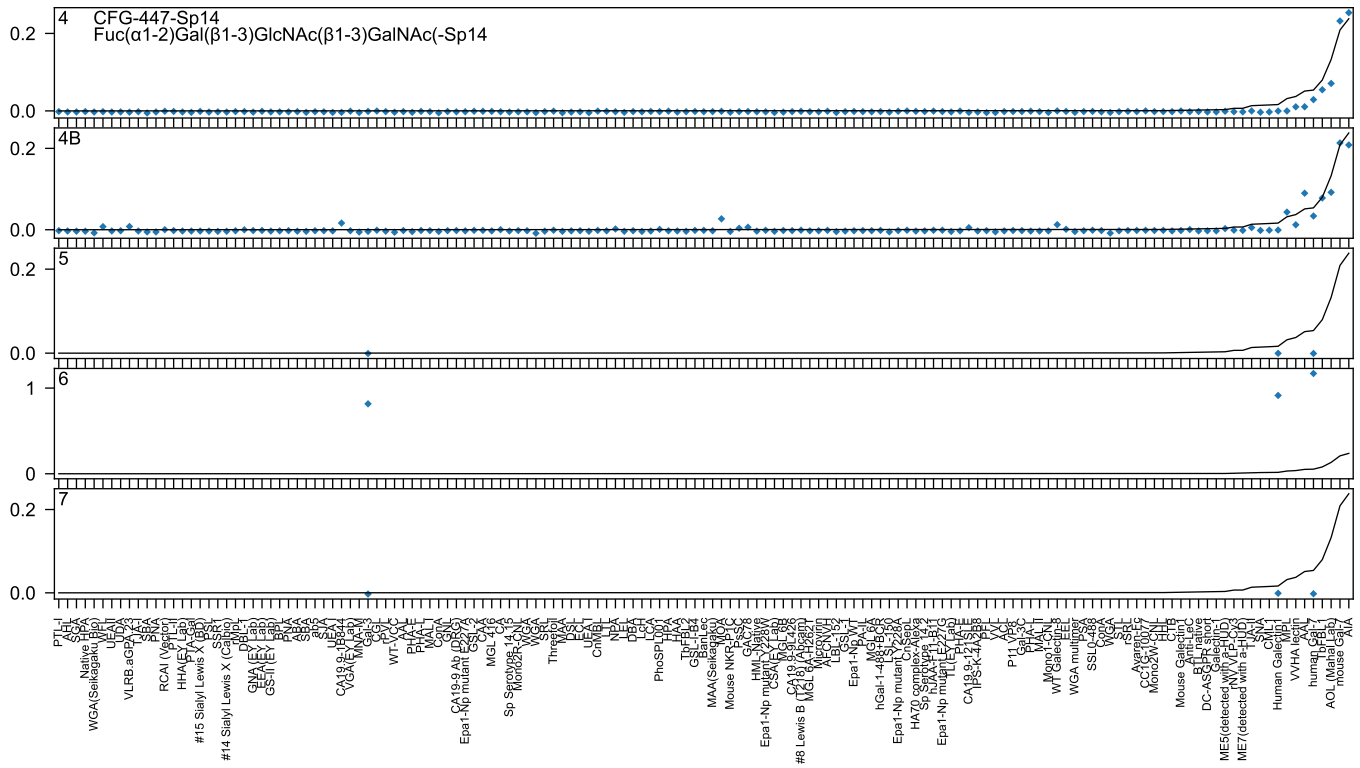

4
CFG-442-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.1
0.0
1
0
TJA-I
GSA(EY Lab)
MAA(Seikagaku)
PTA-Gal
DSA
TJA-II
TL(EY Lab)
UEA-I
WGA(Seikagaku, Biol
Sp Serotonin
WGA, 4-18
HA70 complex-Alexa
hGal-1-488
Bauhinia
CA19.9-Cy3
PS-K-4A-488
Mono2W-CRA
APC
CSVT
SBA
VGA(EY Lab)
WT-VGA
WT-VGA
LSL-LBA
HAA
SSLO
DBA
DSL
Control
Thiosol
Mouse NKR-P1C
PhoSP-L001
PCA
CAA
MGL 6A-HRP
MGL 6B
MGL
#15 Sialyl Lewis X (Calbiom
PNA
RCA
SSA
STL
GNA (EY Lab)
Epa1-Np mutant Y228W
CA19-9 Ab (DBG9)
GAC78
Galectin-1
CML1
#8 Lewis B LT219 (Calbiom)
#14 Sialyl Lewis X (Calbiom)
GSL-2
GNL
WFL
EEA(EY Lab)
Mono2R-CNL
Epa1-Np mutant Y228A
PCA
MNA-M
ACG
SJA
Sp Serotonin
Epa1-Np mutant E227G
Mono2R-CNL
RCAI (Vector)
WFA-Galectin-3
Epa1-Np
VFL
ANL
MGV
MGA
EEL
HHA(EY Lab)
Gal-3C
CBP-L
BPAP1
VVH(Lectin)
LBL
PVZ
Microvirin
CA19.9-IRR44
PHA-E
Avarap-Fc
rNV VLP-Cy3
GNL
Epa1-Np mutant E227A
PHA-L
Anti-LeC
CnM
MBL
UDA
CA19.9-12(SLE
PNA
hJAA-F11-B1
CC1G-10077
ECL
WGA multiSBA
P1
LYTA
ME5(detected with a-HUD)
GSL-I-B4
DC-ASGPR sol
MAL
MEA
Mouse Galectin-7
TcBPA
ME7(detected with a-HUD)
MAL I
mouse Gal-7
hum Gal-7
BTL native
Gal-3
Human Galectin-1
CTB
AOL (Native LBA)
AAL
Tbp-BLT
AIA

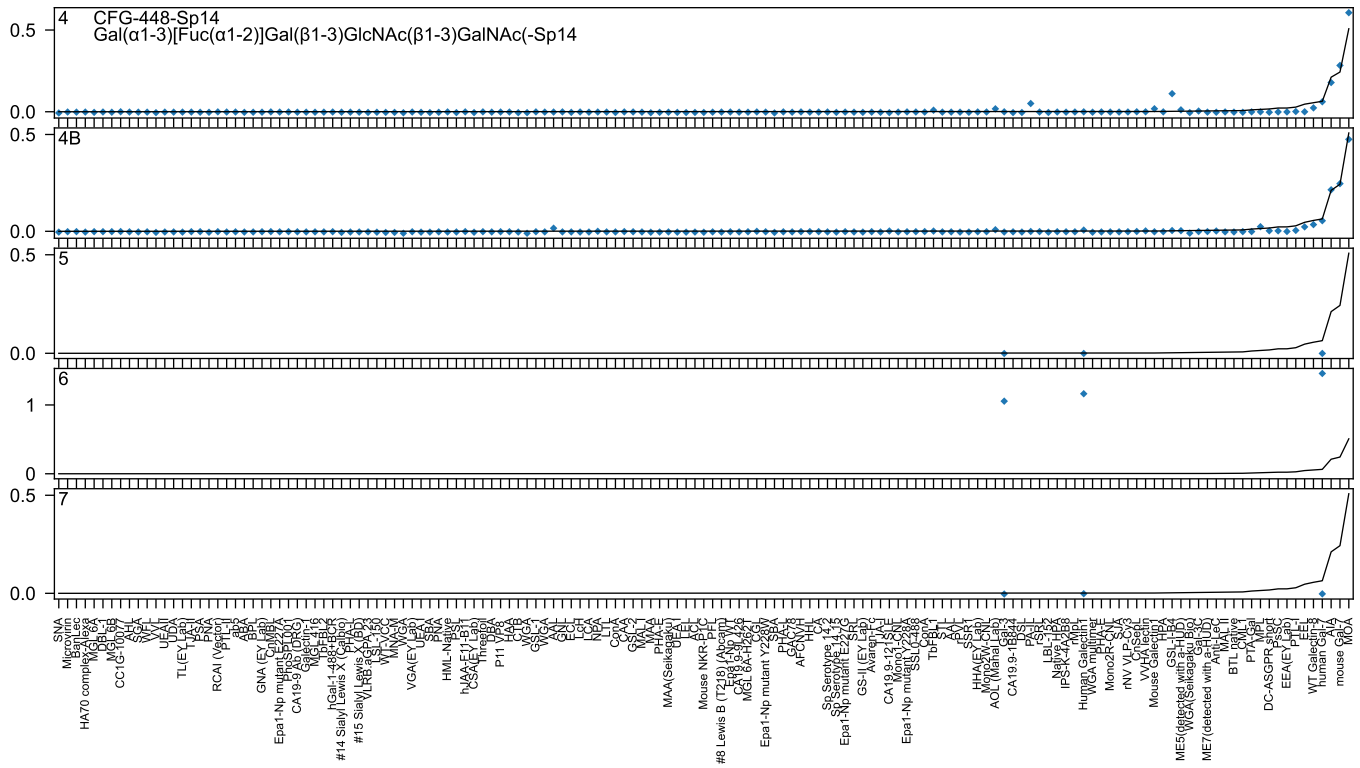

4
CFG-443-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)GalNAc(-Sp14
0.05
0.00
4B
0.05
0.00
5
.025
.000
6
1
0
7
.025
.000
hJAA-F11-B11
Mouse NKR-P1C
PsSS
hGal-1-488-C3
GBP-3
Mono2R_CAL
ULEX (Lab)
UEA
Mouse Galectin1
CWF
HPA
CA19.9-121
HMI_Native
Epa1-Np mutant Y228W
Tomato
MGL 416
MAA(Seikagaku)
SNA
GAC78
EEA
Galectin3
CA19-9 AB (ORG)
ALL (ORG)
VVHA lectin
Sp Serotype 5
Sp Serotype 11
Epa1-Np mutant E227A
Sp Serotype 14
Sp Serotype 1-15
VGA(EY Lab)
Mono1 (Lab)
LCH
#8 Lewis B (TZ18) (Abcam)
#14 Sialyl Lewis X (Cosmo)
MOA
Epa1-Np mutant E227G
LBL
VOL
AIL
GSL-II (EY Lab)
CA19.9-1-428
CA19.9-9-1
GNA (EY Lab)
Galectin-3
BSA
UCA
wGA
Bandeiraea
BPA
HA70 complex
CSA(EY Lab)
PNA
WGA
P17A-Gal
RCA
Vicia villosa
TPS-K-42588
PSL-E
GSL-I
SSA
SSBA
CC1G-10077
SSLL488
Microvirin
PhoSPL001
NEA
LCA
AOL (Mahal Lab)
PTL
Epa1-Np p307
Epa1-Np p311
CA19.9 1-428
GNL
PHA-L
VGA
MGL 6A-H2824
MGL 6B
WGA(Seikagaku Bio)
WI-LOX
GSL-I-B4
HHA(EY Lab)
Mono2W_CNL
PNA
TbFBL2
PTL-I
UEA
PSAA
PSAC
CnSerpB
BPL
WGA multivalent
WVA
PTA-I
#15 Sialyl Lewis X (Abcam)
AIL
Epa1-Np mutant Y228W
MBT
Native HPA
ECL
CGL
PHA-E
mouse Galectin-7
Xenopus
MGL 6A
CFB
Anti-LAC
CorA
ME7(detected with a-HUO)
MALI
BTL native
human Gal-7
VLRB.aGPA-23
Gal-3
Human Galectin-3
Gal-3C
rNV VLP
DBL1
ME5(detected with p-PBD)
DC-ASGPR short

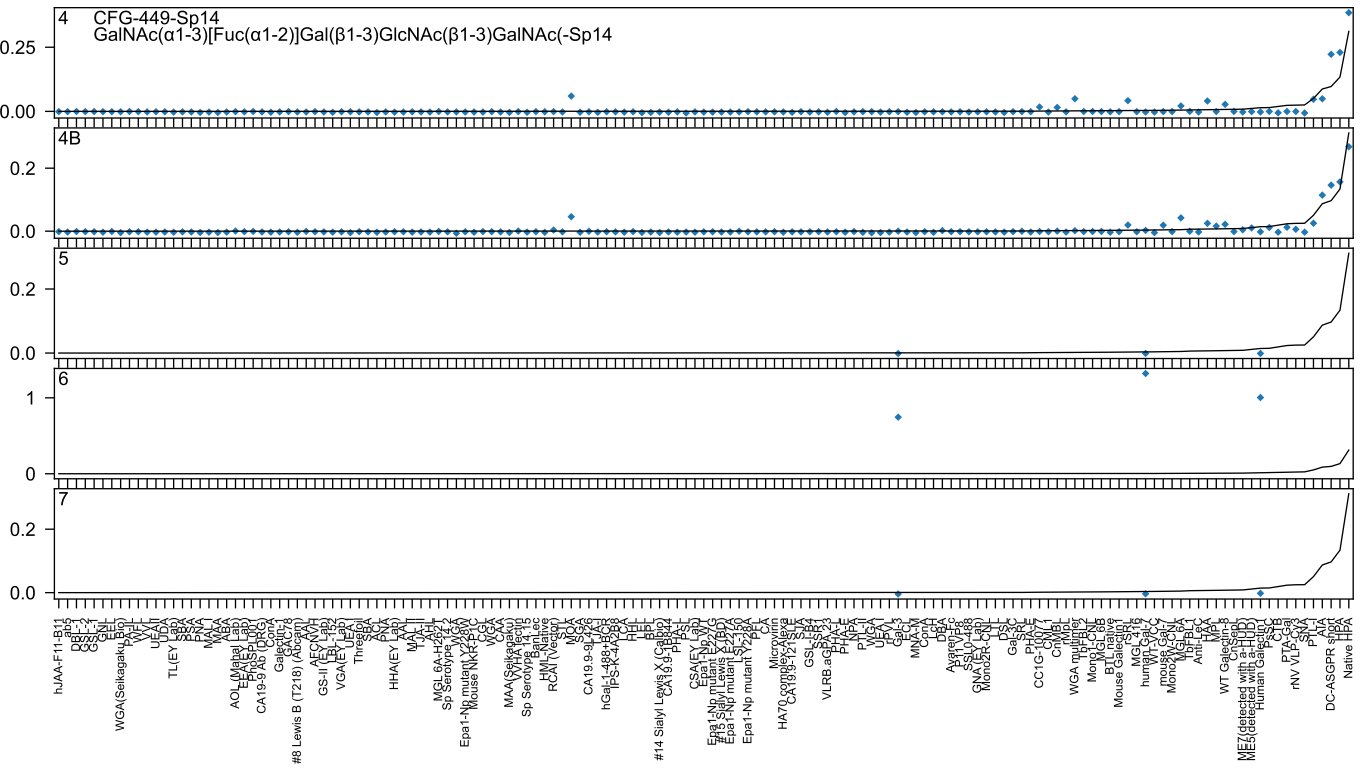

4
CFG-444-Sp22
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
0.05
0.00
4B
0.1
0.0
5
0.05
0.00
6
2
0
7
0.05
0.00
LSL-159
nNV VLE-CCL
CSA(EY Lab)
MOA
MNA
PNA
GS-II (EY Lab)
abo
PSL
nAG
SBA
UEA-I
AFCN(H)
#15 Sialyl Lewis X (BD)
Monoclonal
hGal-PhosSP-001
Gal-XC
Mouse NKR-P1C
Human Galectin-1
Threefold
pSGL
VGA(EY Lab)
IPS-K-44-188
Sp Serotype 14.2
VLRB.aGPA.23
WT Galectin-8
SSL7-188
Epa1-Np mutant E227G
#8 Lewis B(T21/B1)(Abcam)
LgMBL
Sp Serotype 14.15
MGL 6A-Ab-68
HPA
CA19-9 Ab (GRG)
VGA
EEA(EY Lab)
CA19-9-188
Galectin-7
P11-Ab6
GNA (EY Lab)
hJAA-F11-811
SNA
CA19-9-429
CC49-1011
UDA
VVHA lectin
Epa1-Np mutant E227G
AXL Selectin-Fc
HA70 (Influenza)
Epa1-Np mutant E227A
MPL
BanLec
CA19.9-121
SLE
AmbAcr
TKA
LEL
CnSepC
NPA
CNA1
EEL
Microvirin
VVL
Epa1-Np mutant Y228W
#14 Sialyl Lewis X (Calbio)
PNA
BP
MAA
DSL
PSA
PCH
PHA-L
UEA-I
Epa1-Np WT
DBA
PHA-E
Mono1-CBA
Mono2-CBA
WGA(Seikagaku)
WGA
Avaegen-Fc
WGA multimer
GSL-I-B4
mouse Gal-7
Mono2W-SNA
Gal-3
LCA
CCB
ME7(detected with a-human Galectin-1)
HHA(EY Lab)
Mouse Galectin-1
human Gal-7
HMLec-78
GRA-78
PSR
SRL
DC-ASGPR (Alcor)
VEA
PTA-Gal
ME5(detected with a-human Gal-1)
LUD
TbPBL-1
WT-VGA
RCA(Vector)
AOL (Mahal Lab)
DBL-1
BTL naive
TbPBL-1

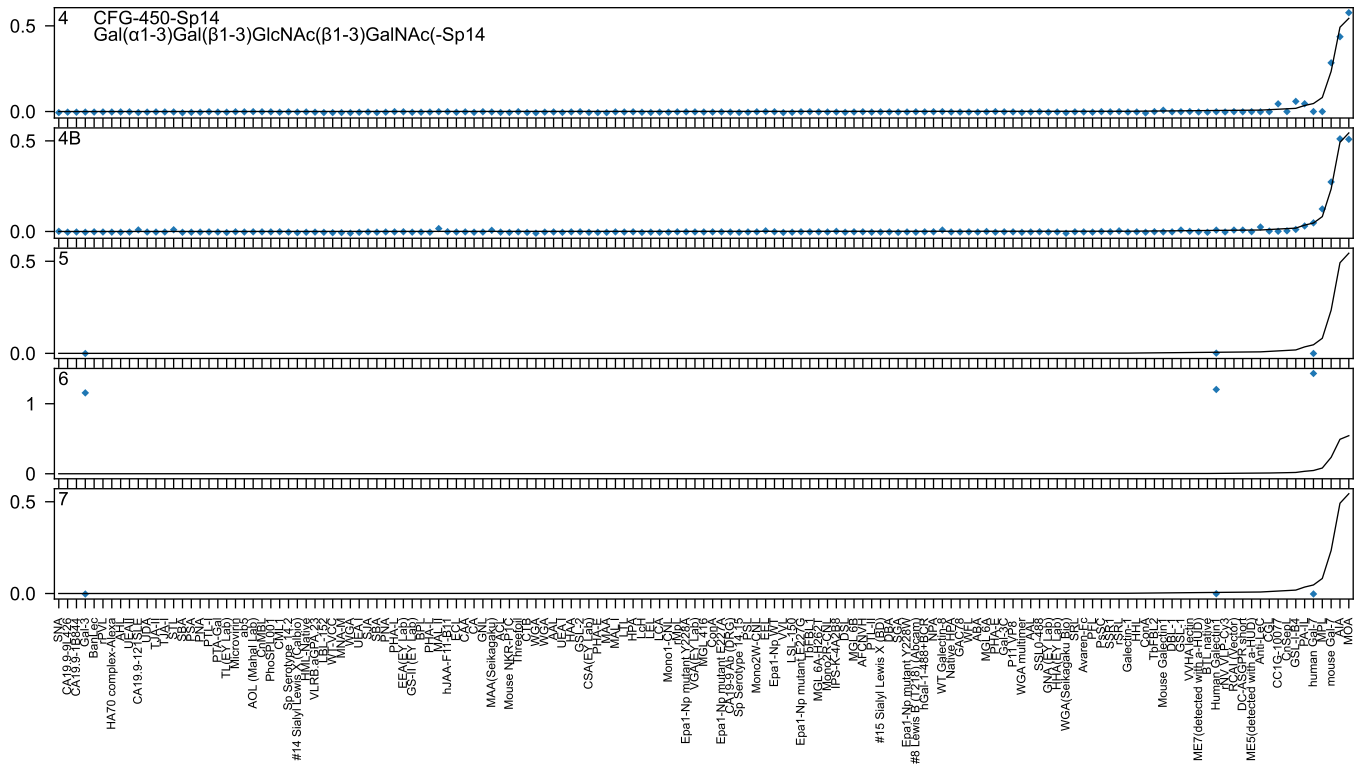

4
CFG-445-Sp22
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.5
0.0
1
0
MAL I
DSL
PNA
HPA
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (Y216) (Abcam)
MVN
rNV SLD-008
SSL7
GSII
LSL
UDA
XVI
PWM
SJA
SNA
SBA
PHA-L
PHA-L
GS-II (EY Lab)
MNA-M
ABA
hGal-1-488 (R&D)
Bal-3
CA19-9 Ab (WeGa)
CA19-9 Ab (WeGa)
Gal-1-C
Sp Serotype 4
Sp Serotype 14
AIA
PhoSP_001
AOL
PVL
VLRB aGPC
CA19.9-14.228
HA70 (Threelog)
CA19.9-14.228
Sp Serbtype 14-2
Epa1-Np mutant E227A
PSA-K-47A268
EEA(E Mart)
SBA
PSL-I
Epa1-Np mutant E227G
#15 Sialyl Lewis X (BD)
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
GNA
GAC78
CA19.9-121
SJA-E
PHA-E
Epa1-Np pDT
PDT
MEL
CA19.9-18844
PNA
GSL-2
Mouse NKR-P1C
UEA I
MAA
AFCS(V)
VGA(EY Sep)
PHA-L
HIT
GSA(EY Lab)
hJAA-F11-B1
SSA
MAA(Seikagaku)
BPL
PNA
MOA
MGL 6A-HUD
MVL
DBA-1
DBA-1
CONBR
STL
LBL I
Native SRL
Native HPA
Mono2R SRL
WFL-VOC
PTA
Man
UEA I
MVL
PTA
ISRL
MGL 6A
RCA I (Vector)
Mono2W-CNL
Mono2W-CNL
VCTB
Mouse Galectin1
WGA(Seikagaku)
ABA
WT Galectin-8
Mouse Galectin1
HML-Native
Human Galectin1
GNA(EY Lab)
Human Galectin1
mouse Gal-9
ME5(detected with a-HUD)
DC-ASGPR short
HHA(EY Lab)
AAL
Anti-LeX
CorA
CorA
AvarE
PTL-I
PTL-I
BTL native
CorA
TL(EY Lab)
LEA
LEA
TbFBL1
LEA
AOL (Mahal Lab)
AAL

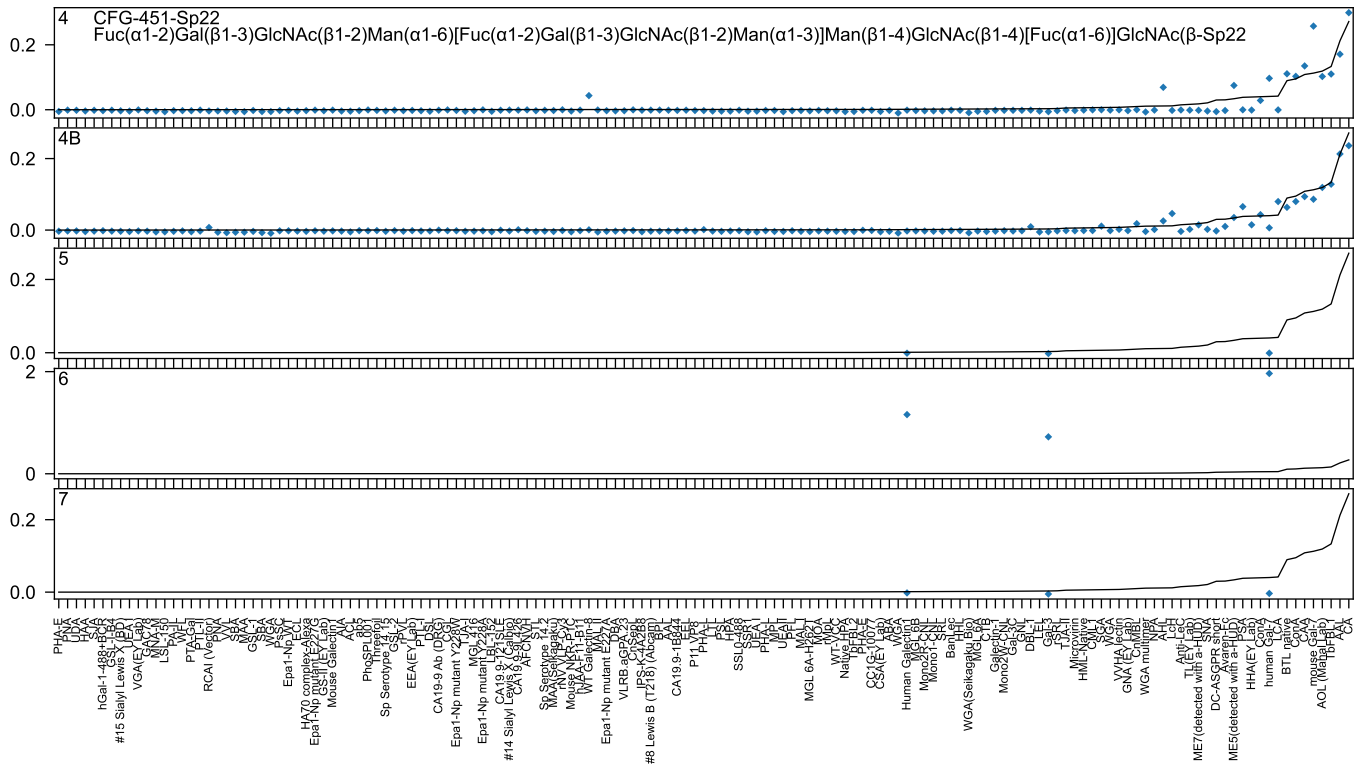

4
CFG-446-Sp19
GlcNAc(β1-2)[GlcNAc(β1-6)]Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp19
4B
5
6
7
0.5
0.0
1
SNA
Gal1
Gal3
human Gal3
MGL-8
ACL
AGL
PAL
VIA
TL(EY Lab)
TL(Alb)
RCA
PNA
PTL-I
PTA (Gal)
PSL
CA19.9-121
SLE
ABP
EEA(EY Lab)
Epa1-Np mutant Ep229
Epa1-Np mutant Ep229G
Epa1-Np mutant Ep229A
PhoSL001
Sp Serotype 23
Sp Serotype 14
hGal-1488-6C5
hGal-1488-6C6
VLRB.aCHA-23
WT-AAL
MOA
VGA(EY Lab)
PNA
PHA-L
GNA (EY Lab)
MAA(Sigma)
TSL-180
hJAX-F1-B11
WGA
HPA
LEL
VFL
P11
Mono2R-CNL
HPA
AIA
GNL
Thetelin
GSL-I-B4
MPL
Mouse Galectin-1
UEA-I
NPA
MAL-I
CEL
EEL
HML-Nature
HA-Nature
MGL 8C4
TcBPL1
Sp Serotype 31-15
Sp Serotype 23
CA19.9-Ab 2-7
Galectin-1
Microvilin
CAA
DC-ASGPR
sialyl Tn
Man
UEA-I
VVHA
CA19-9 Ab (SERO)
#14 Sialyl Lewis X (Calbio)
CA19.9-Ab (Calbio)
HHA(EY Lab)
CA19.9-1-B6-14
Mono mAb
MIR
LBL-125
#15 Sialyl Lewis X (BD)
CWA
WVA
Native HVA
Mouse HVA
Mouse NKP-P1C
AOL (Mahal Lab)
RCAI (Vector)
HA70 complex
MGL 418
WT Galectin-8
CA
#8 Lewis B (12/18) (Abcam)
NY V P-Cy3
IPSK-Galectin-3
SSL1-488
DSA
Consen
Mono2W-PSL
Anti-LeC
CSA(Bain Lab)
ECA
UEA-I
PHA-L
WGA(Seikagaku)
VGA
MNA-M
vicia
LEL
BTL-HRAPE
Human Galectin
MEZ(detected with a-HUD)
Epa1-Np mutant Ep229A
GSHI (EY Lab)
DBL-2
Galectin-7
CC1G
GSL-I
AVL
MES(detected with a-HUD)
CgnA
SBA
WGA
VGA
TcBPL2
WGA multimer

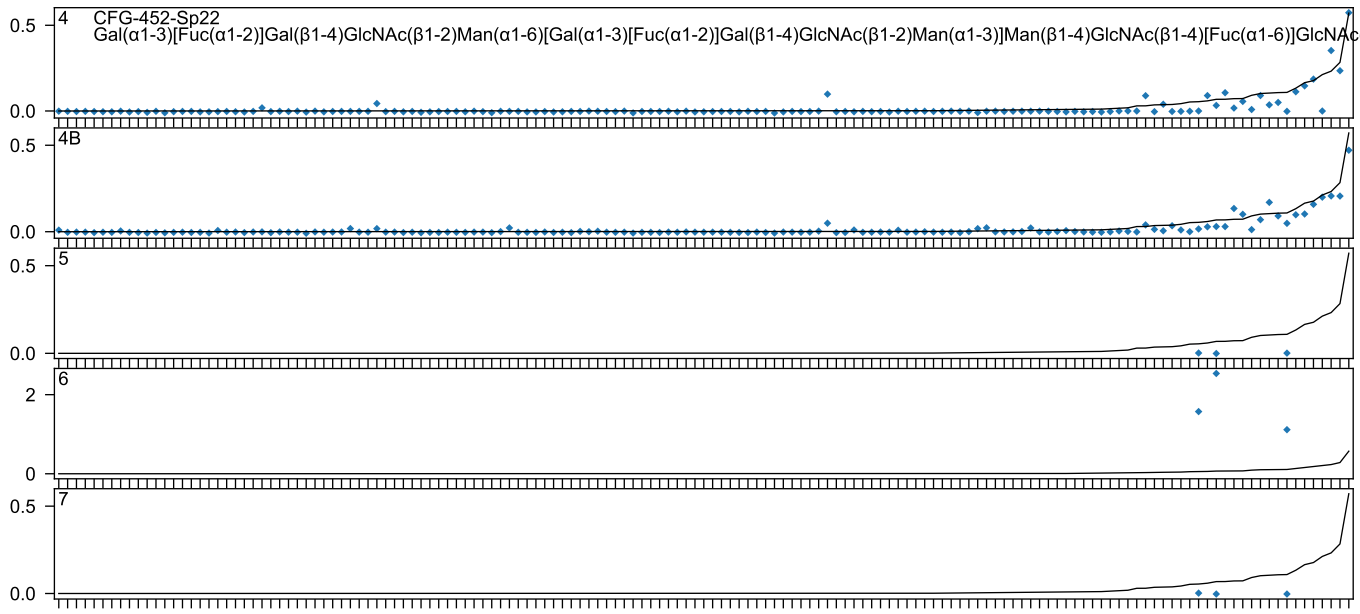

4
CFG-447-Sp14
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.2
0.0
1
0
PTL-I
AHL
SGA
Native SGA
WGA(Seikagaku) (BP)
UEA-I
UDA
VLRB.aGP.A.1
SBA
RCA I Vector
PTL-II
HHA(EY Lab)
PTA-Lab
#15 Sialyl Lewis X (BD)
SSBT
#14 Sialyl Lewis X (Calbiochem)
DBL-1
GNA(EY Lab)
PEA(EY Lab)
GS-II(EY Lab)
PNA
SBA
ara5
ara6
UEA-I
UEA-I
CA19.9-UB44
VGA(Sigma)
MAA-M
Gal3
PNA
WT-VAC
PHA-E
PHA-L
MAL-I
ConA
CA19-9 Ab (DRG)
Epa1-Np mutant CS1.2
MGL
CA6
CA8
Sp Serotype 14-15
Mono2W-CHN
VGA
WSA
Threonin
NSA
DSA
ECL
UMB
CnnB
NNA
NEL
DSA
LCA
PhoSPL
LPA
TPA
HAA
GSL-I B4
TbFBL
BanLec
MAA(Seikagaku)
VGA
MOA
Mouse NKR-P1C
GAC78
HMI
Epa1-Np mutant Y298W
CSA
CA19.9-L426
Epa1-Np mutant E227G
#8 Lewis B
CA19.9-H280
MGL
CA19.9-L428
MicroVOH
Galectin-1
GSL-I
Epa1-Np
WGA
hGal-1-4M
hGal-1-4M
Epa1-Np mutant CS2.2
Epa1-Np mutant CS2.6
HA70 complex-Alexa
Sp Serotype 14-15
Epa1-Np mutant E227G
Epa1-Np mutant E227G
LCA
PHA-E
CA19.9-L21
TISK-K-21
PSA
PSL
P-selectin
AOL
P11-Vec8
PHA-L
MAL-II
Mono2W-CHN
wt Galectin-8
WGA multimer
Epa1
SSL-I
PSA
ConA
WGA
rSP
Arp
CC1(Genotech)
Mono2W-CHN
CTB
Mouse Galectin-1
Mouse Galectin-1
BT native
DC-ASGPR short
Galectin-1 short
ME5(detected with a-HUD)
ME7(detected with a-HUD)
PHA-L
MAL-II
CMLL
Human Galectin-1
Kiwi
VVHA lectin
human Galectin-7
TbFBL1
AOL (Marine Lectin)
mouse Galectin-1
AIA

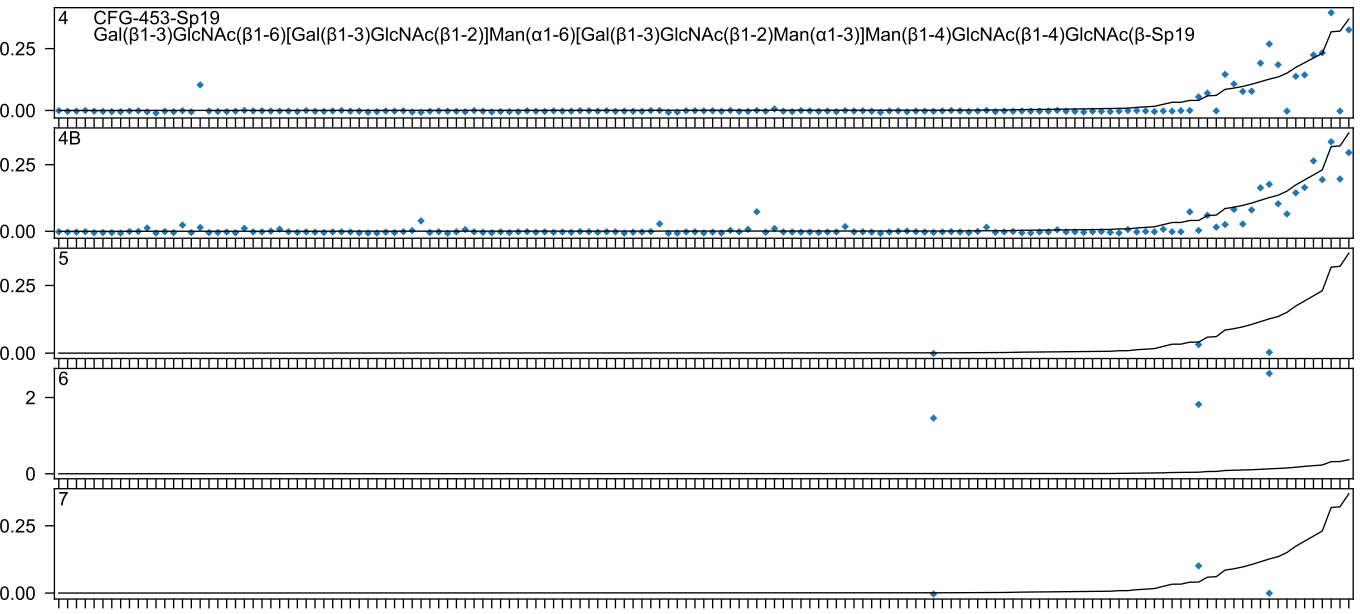

4
CFG-448-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
Microvirin
BanLec
HA70 complex
UEA
MGL
CC1G-10079
ASL
WFL
UEAII
UDA
TL(EY Lab)
PSA
RCAI (Vector)
PHA-L
ABA
ABC
GNA (EY Lab)
Epa1-Np mutant Y228V
CA19-9 Ab (CRC)
MGL-416
hGal-1-488+BCS
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (BD)
VLRB aggA-FC
WFA
VGA(EY Lab)
UEA
SBA
PNA
HML-Nanobody
BSL
hMAA(EY Lab)
CSA
Threonin
P11
DBA
HPA
VGA
GSL-A
AAL
EBL
LCH
NPA
LTL
CCA
RCA
PAL2
MAA
PHA-E
MAA(Seikagaku)
UEAI
ACL
Mouse NKR-P1C
#8 Lewis B (T218) (Abcam)
CF-9 Ab (CRC)
MGL 6A-H2621
Epa1-Np mutant Y228W
SBA
PHA-L
AFCYH
Sa Serotype 1-15
Sa Serotype 16
Epa1-Np mutant E228G
GS-II (EY Lab)
Avaren-1
CA19.9-121 SLE
Mono1-228A
Epa1-Np mutant Y228A
SSL (C488)
ATL
TbPBL1
SAT
PVL
HHA(EY Lab)
Mono2W-CNL
AOL (Marine Lab)
CA19.9-18B44
PAGL
LBL-S35
Naive HPA
IPS-K-4Ab
Human Galectin1
WGA mutant
PHA-E
Mono2R-CNL
nVV VLP-Cy3
VVH Galectin
Mouse Galectin1
GSL-I-B4
ME5(detected with a-HUD)
WGA(Seikagaku)
Galectin3C
ME7(detected with a-HUD)
Arthrobacter
MAL II
BTL 08Uve
PTA
PTA Gal
DC-ASGPR-shpt
Fucsc
EEA(EY Lab)
PHA-L
PHA-E
WT Galectin1
human Gal-7
mouse Gal-2
MDA

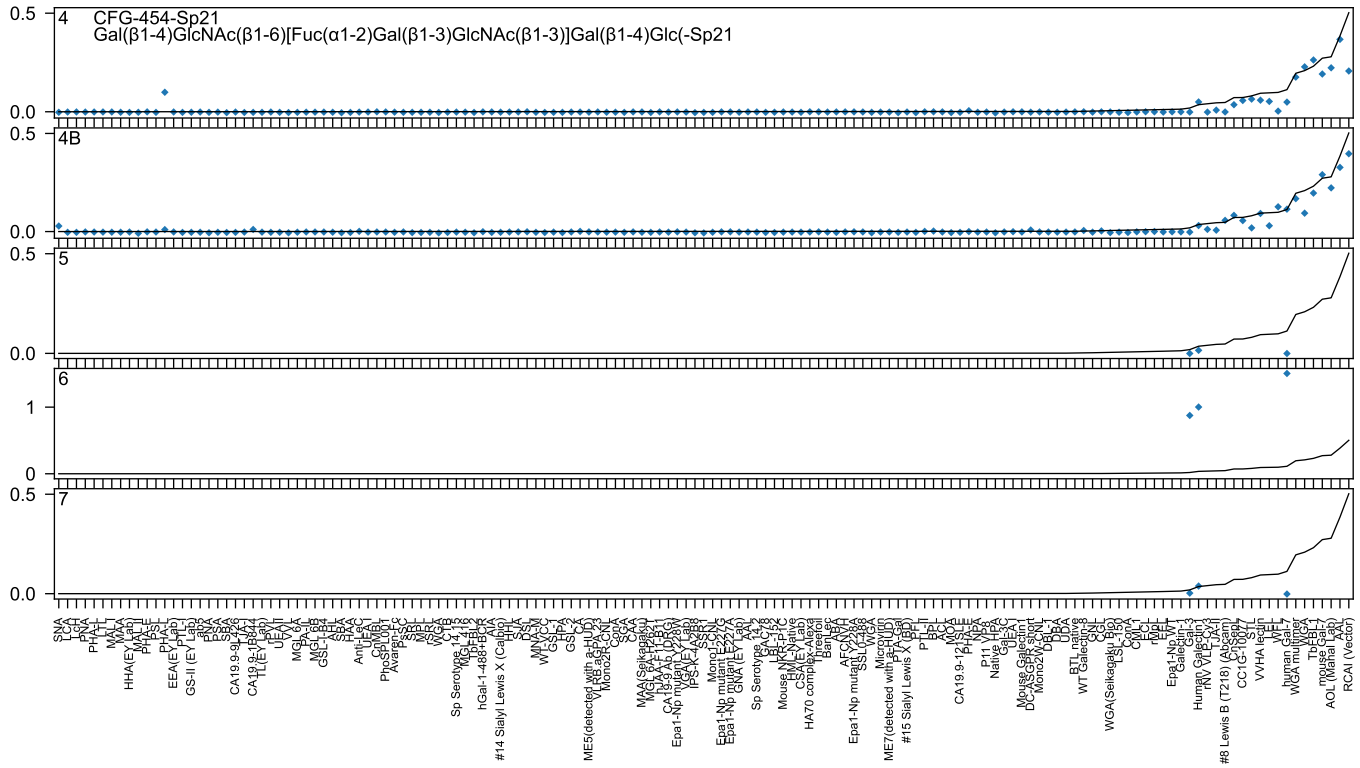

4
CFG-449-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.25
0.2
0.0
1
0
hJAA-F11-B11
Bp5
DBL-1
GSL-1
GNL
WGA(Seikagaku, Biotec)
PNA
VVL
VVA
UEA
TL(EY Lab)
PSA
BPA
PNA
MAA
LEA
AOL (Matsal Lab)
ECA(EY Lab)
CA19-9 Ab (DRG)
Con A
Galectin-1
GAC78
#8 Lewis B (T218) (Abcam)
AEC(NH
GS-II (EY Lab)
VGA(EY Lab)
Threspio
SBA
PNA
HHA(EY Lab)
MAL II
TAA
AAL
MGL 6A-H262
Sp Serotype 14
Epa1-No mutant Y-2
Mouse NK-2 (R&D)
COA
VGA
MAA(Seikagaku)
Sp Serotype 14-15
Sp Serotype 19
HML Bandlec
RCA(Vector)
NOA
SGA
CA19.9-sLe(x)
hGal-1-488+3D8
IPS-K-4-488
LCA
RIC
BP
#14 Sialyl Lewis X (Calbiochem)
CA19.9 (BBI)
PTA
CSA(EY Lab)
Epa1-No mutant Y-207
Epa1-No mutant Y-216
#13 Sialyl Lewis X (TBD)
Epa1-No mutant Y-210
Epa1-No mutant Y-228
CA
Microvorin
HA70 complex
CA19-9-121-SKE
SJA
GSL-I-B4
VLRB.aGAL3
PHA-E
PHA-L
PWM
UEA-I
LPV
Galectin-3
MNA-N
Con A
PPA
DBA
AvaroVp6
Y117Vp6
SEY1488
GNA(EY Lab)
Mono2R-CNL
DSL
DSL
GalSAC
PhaE
CC1G-CC071
CnMB
IMIC
WGA multimer
TBPBL2
MonoS
MGL 8B
B1 Unaliaive
Mouse Galectin-3
SRL
MGL-419
human Galectin-7
WT-YCC
Mono2R-CNL
MGBLA
Anti LeC
MAA
MAA
WT Galectin-8
MEZ(detected with a-HUD)
MEz(detected with a-HUD)
Human Galectin-9
PsaC
CTB
PTA
nV VLP-OX3
PNA
AIA
DC-ASGPR
SIA
Native HPA

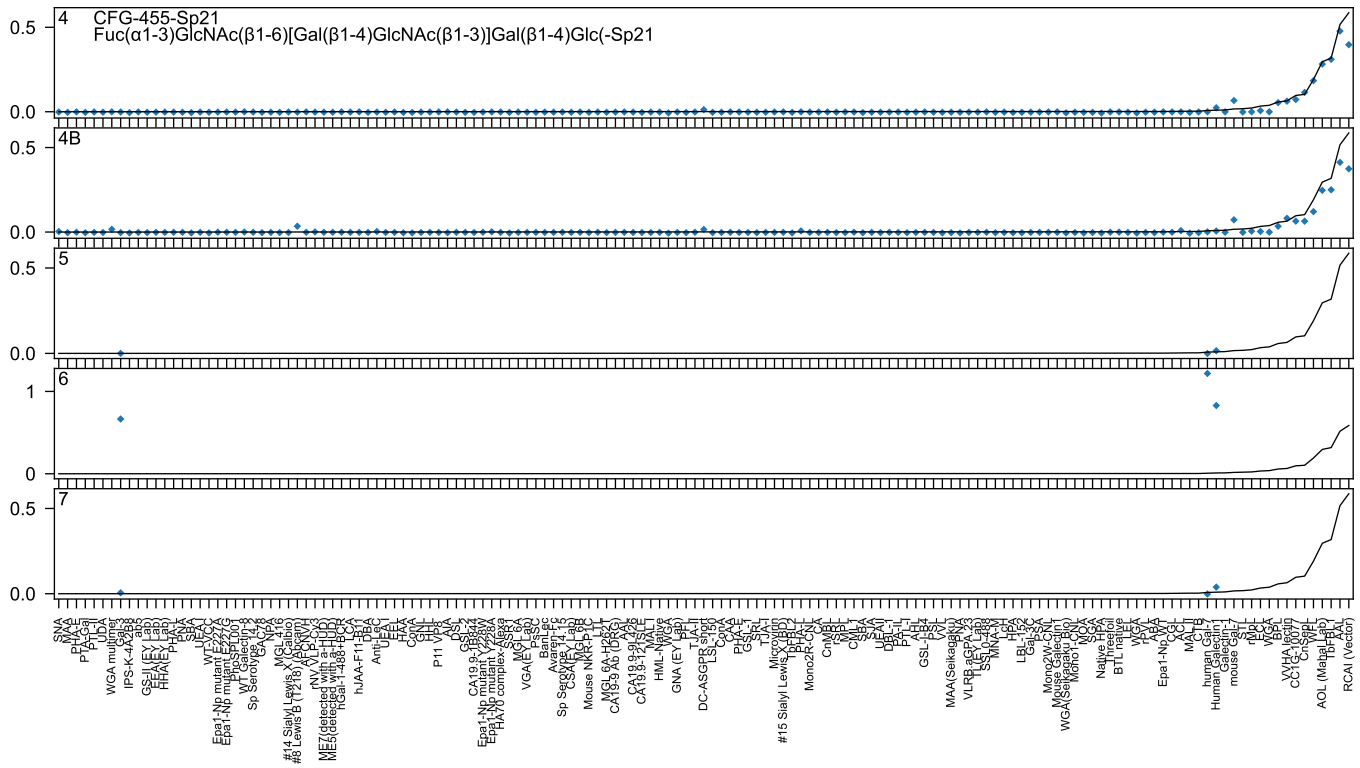

4
CFG-450-Sp14
Gal(α1-3)Gal(β1-3)GlcNAc(β1-3)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SVA
CA19.9-9
CA19.9-18
S43
Bap1-Sec
Bap1-Vt
HA70 complex-A
ABH
CA19.9-12
ESA
TJA-II
UDA
TJA-I
STL
BSA
PNA
PHA-L
PTA (Gal)
Tn (Mix mutant)
aD5
AOL (Marfan MB)
PhoSPLD1
Sp Serotype 14-2
#14 Sialyl Lewis X (Calbio)
VLRB aGPA 23
WBA I
VLRB aGPA 33
MNA-M
UEA-I
SSA
PNA
PHA-E (Lab)
EEA(EY Lab)
GS-II(EY Lab)
PHA-L
hJAA-F11
MAL-I
EPL
CAA
GNL
MAA(Seikagaku)
Mouse NKR-P1C
Three-finger toxin
WGA
ACA
AAL
UEA-I
GSL-I-B4
CSA(EY Lab)
PSL-I
MAA
MAL-I
HPA
LEL
LCA
Mono1-CKL
Mono2
Epa1-Np mutant Y228A
GAL(EY Lab)
MGL 478
Epa1-Np mutant E227A
Sp Serotype 14-19
Sp Serotype 14-2
PSL
Mono2W-CKL
EEL
Epa1-Np WT
LSL-150
Epa1-Np mutant E228G
MGL 6A B287
MGL 6A B287
MGL-2A 288
DSA
MGL 6A
APCNV-VF
#15 Sialyl Lewis X (ED)
DBA
Epa1-Np mutant Y228A
#8 Lewis B (ED)
hGal-1-486-Kyoto
NPA
WT Galectin-8
Native Galectin-8
GAL-8
MGL-6A
GAL-3C
Galectin-3
Pn1 VP8
WGA multimer
VAA
SSL-1-488
GNA(EY Lab)
HHA(EY Lab)
WGA(Seikagaku)
BSL
Avarep-EC
PsaC
SSBL
Galectin-1
HHL
CFL
TpFBL2
Mouse Galectin-1
PBP1
GSL-I
VVHA
ME7(detected with a-HUD)
Human Galectin-1
RV VP8-Cv3
RV VP8-Ct07
DC-ASGPR-ectod
ME5(detected with a-HUD)
Anti-F
CGL
CC1G-1007
GSL-I-B4
human Gal-7
MIP
mouse Gal-7
MOA
MGA

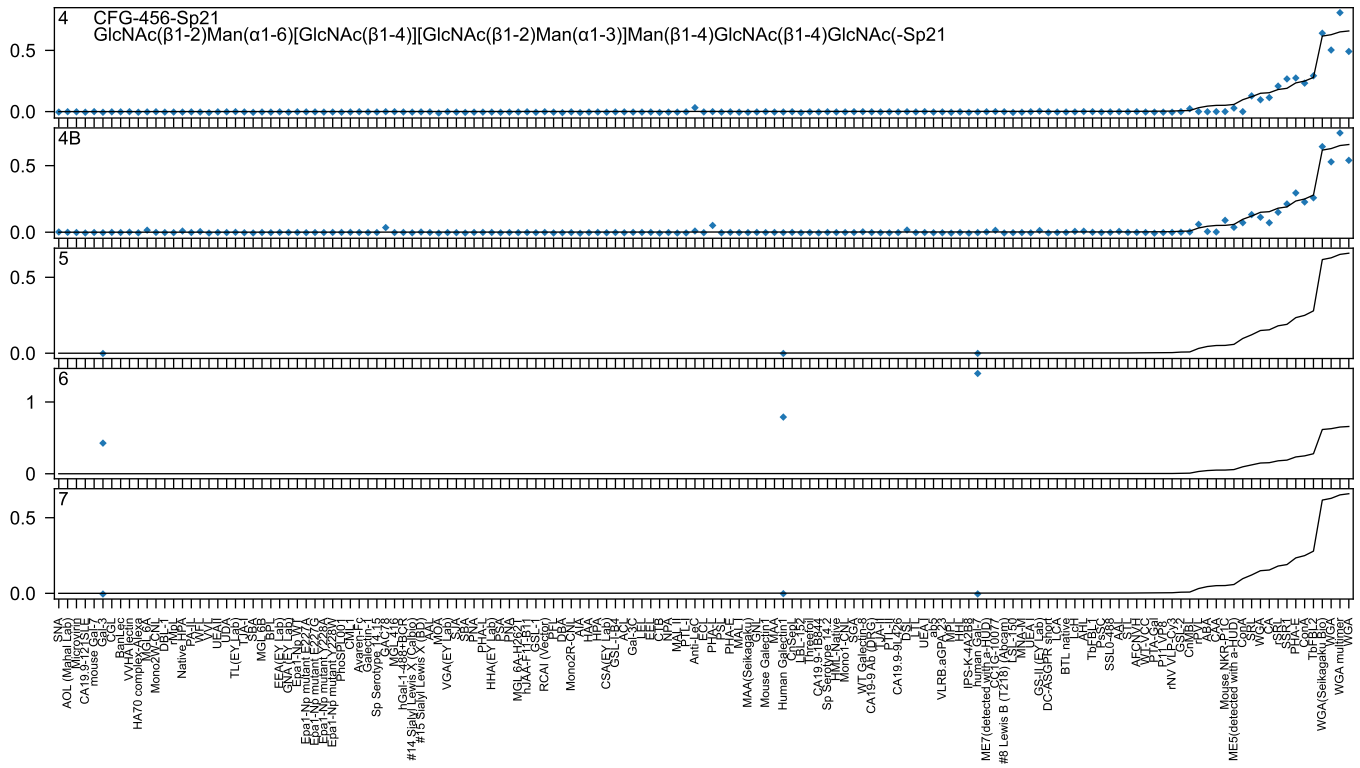

4 CFG-451-Sp22
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp22
4B
5
6
7
0.0
0.2
0
2

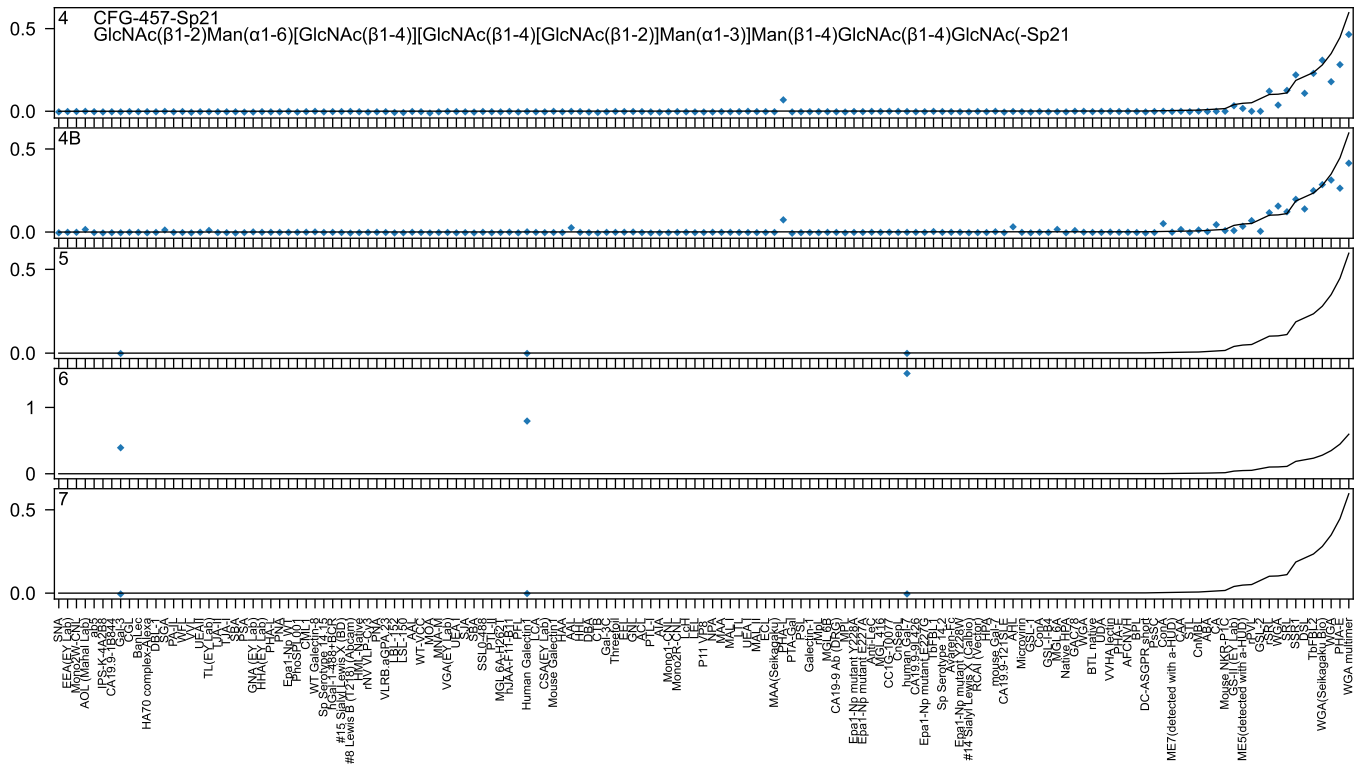

4
CFG-452-Sp22
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc
4B
5
6
7
0.5
0.0
2
0
CC1G-10077
LTA
HPA
SSL(Ca)
MAA(Sei)
MAA(Seikagaku)
WFA(Vector)
#8 Lewis B (T218) (Abs)
BSL
SBA
SBA
SSA
TJA-I
UEA-I
ulex
UEA-I
WFL
hGal-1488+BCB
CSA(EY Lab)
CnMB
Epa1-Np
Epa1-Np mutant E225A
Epa1-Np mutant Y226A
PhoSP-LOM1
CA19-9 Ab (DRG)
Threep
VGA(EY Lab)
rNV
LP
CXA
STL
Mouse NKR-P1C
uDA
uDA
Sp Serotype 4.15
HA70 complex-Alexa
Epa1-Np mutant GAC78
Epa1-Np mutant Y226A
GS-II (EY Lab)
MPA
RCA(Vector)
CA19-9-121SCE
CA19-9-121SCE
VLRB.aGPA23
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
APC
AAL
Sp Serotype 14.2
MAL
BPL
WGA(Seikagaku)
MGL 6A-H262T
UEA-I
SRA
hJAA-LBL-837
TSL-150
MGL-818
VVL
PTL-I
CA19.9-1B244
PNA-Gal
IPS-K-4A288
Native VGA
MGL-88
GSA
GSA
rSSL
MAL
MAL-II
MgDBA
Mono1-CNL
MGL
DSL
P11
Mono2R-CRL
Mono2W-CNL
Galectin-1
Galectin-7
PSL
CTB
Galectin-3
WGA mutant
DBL-1
HML
Microtaline
Mouse Galectin-9
NPA
NPA
PA-IL
GNA (EY Lab)
Banana Lectin
SNA
Anti-Tn
PHA-E
PHA-L
PPL
DC-ASGPR short
GSL-I-B4
HHA(EY Lab)
Cocoa
Avarex-F
MEL
MET(detected with a-HUD)
EEA(EY Lab)
Human Galectin-1
human Gal-7
ACL
CoCA
TKA
THA(EY Lab)
BTL
MEF(detected with a-HUD)
WT Galectin-8
AOL (Marine Lab)
mouse Gal-7
DSA
MOA

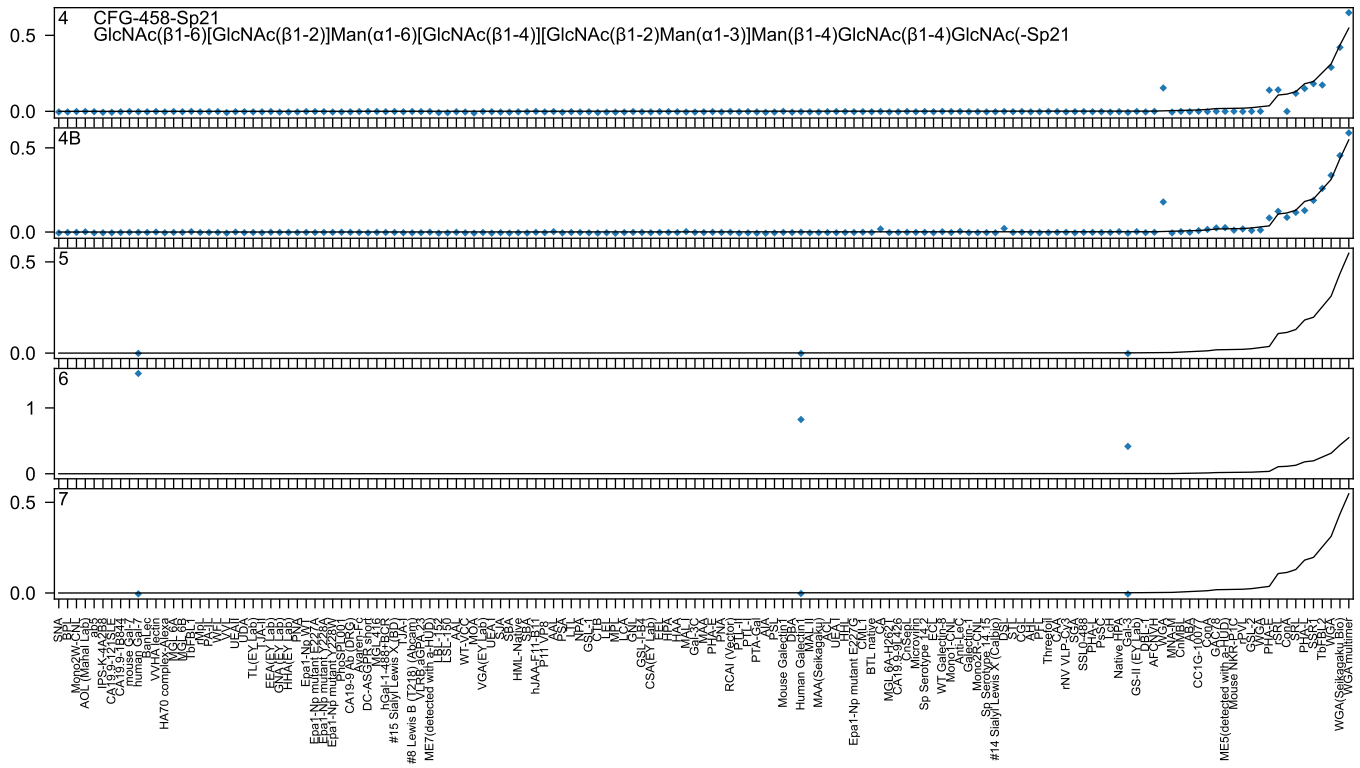

4 CFG-453-Sp19
Gal(β1-3)GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp19
4B
5
6
7
0.25
0.00
2
0
hMAE(E11-B11
GSA(EY-1-B1)
ABA
AOL (Marial
LAB2
LAA
HPA
IPS-K-4A288
GSL-I-B4
LEL
Native-PA
VVL
TL(EY-1-A2)
MAA
PHA-E
PHA-L
UEA-I
SBA
PNA
EEA(EF-1-A1)
PHA(E)
GSL-I-A4
PhoSPLOW1
DBA
CA19-9 Ab (PRO)
SSA Serotype 1+2
SSA Serotype 1+2
MGL
AAL
#8 Lewis B (T218) (Abcam)
VGA
PTA
HM
Native
VLRB.aGPA
AJA
AIA
MVA-D
VGA(EY-1-A1)
UEA
SNA
AFG
SSA
PTL
MGL 6A-12a29
PTL
GEA
GEL
MAA(Seikagaku)
WGA
VVL
Epa1-Np mutant Y228G
#19 Sialyl Lewis X (Calbiochem)
Mouse NKR-P1C
Epa1-Np mutant E227G
#14 Sialyl Lewis X (Calbiochem)
CSA(E-1-A1)
Epa1-Np mutant E227A
CA19.9-12(SC)
LBL-152
LEC
RSA
RSL-I
MAL I
WT Galectin-6
MGL
LCA
PVL
HA70 complex-Alexa
OOA
PHA-E
DBA
Mono2R-PSA
DSA
SSL0(SSB)
Mono1-PSA
SRL
MPA
Mono2W-PSA
PNA
Gal-3
Tn-PBH
WT VAC
CA19.9-PBH
Epa1-Np mutant Y228A
GNL
DC-ASGPR stoge
CA19.9-9L426
Microvirin
Galectin-1
EVA-1 Np WT
GNA (E.P.Lab)
WGA(Seikagaku Bio)
Barley lec
SNA
ConA
Galectin-1
DBL-1
HHA(E.P.Lab)
Avarelectin
Mouse Galectin1
Human Galectin1
ME7(detected with α-Man)
Anti-Lac
CMA
MGA
CCL(G-10077)
RCA120
human Gal-7
ME5(detected with α-Man)
BP
CAA
CCA
WFL
Cn-Sep1
mouse Galectin
WGA mutant
CA

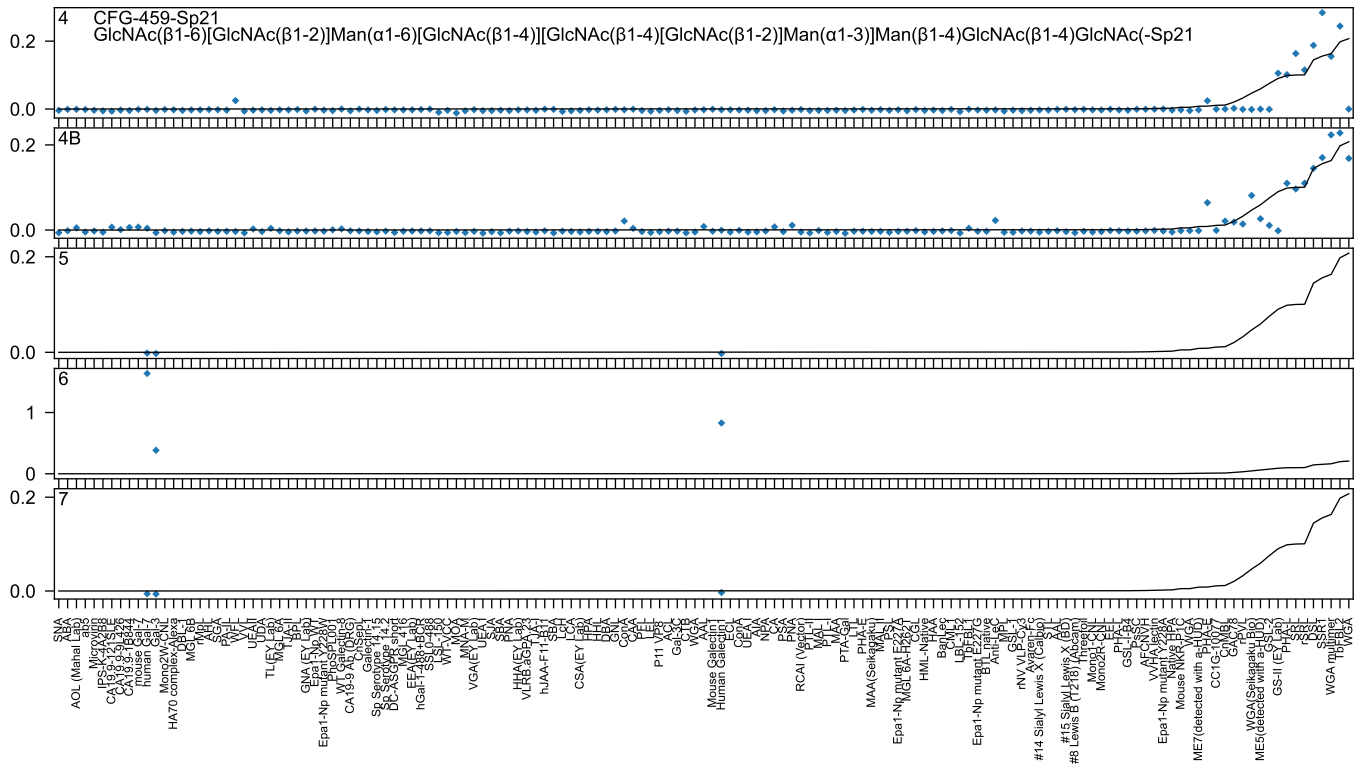

4
CFG-454-Sp21
Gal(β1-4)GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
PCA
PHA-L
PHA-E
MALI
MAA
HHA(EY Lab)
PFA-E
PFA-L
EEA(EY Lab)
PNA
GS-II (EY Lab)
ABA
BPA
BSA
ECA
CA19.9-Sp
CA19.9-Lab
CA19.9-Pfizer
H (EY Lab)
UEA-I
VVL
WFA
MPA
PA-GA
NGC-88
GSL-A4B4
AHA
SBA
SJA
Anti-Lac
DBA
CTA
PhoSPLDB1
Avarol-C
PNA
SBL
SGL
WGA
Sp Serotype 14 13
MGE-B18
MGE-B19
hGal-1-488+BCR
#14 Sialyl Lewis X (Calbio)
UTA
DSL
MNA-M
WFL
GSL-I
GSL-II
CA
ME5(detected with a-HPA)
RPA-GPA
Mono2R-CNT
SGA
CAA
MAA(Seikagaku)
MGL-B4-H281
CA19.9-Ab (DBG)
Epa1-Np mutant Y286W
PSA-CA288
PSA-CA289
SSA
Mono2
Epa1-Np mutant E227G
Epa1-Np mutant E227A
GNA(EY Lab)
APA
Sp Serotype 4 C78
Sp Serotype 4 C79
Mouse NK-1-PE
BMA (Native)
CSA (EY Lab)
HA70 complex (EY Lab)
Threefoil
Barley
AFA
Epa1-Np mutant
AFO(NY)
SSL-C4288
SSL-C4289
WGA
Micro(RUD)
ME7(detected with a-HUD)
#15 Sialyl Lewis X (Calbio)
PTL
PPL
BPL
ACL
MOA
CA19.9-12
SLE
PNA
NPA
P11
VIA
Native Gal-3C
UEA-I
Mouse Galectin-7
DC-ASGPR sport
Mono2V-CNT
DSA
DBA
Ulva
BTL native
WT Galectin-8
CGL
WGA(Seikagaku) Bio
LSL
CorA
CVN
rOSE
Epa1-Np VVT
Galectin-1
Human Galectin-1
rNV VLP (DAY)
#8 Lewis B (T218) (Abcam)
CC1G-16004
STL
VVHA lectin
WFL
WGA multimer
human Galectin-7
mouse Galectin-7
TcBGAL
AoL (Marial Lab)
RCA(I (Vector)

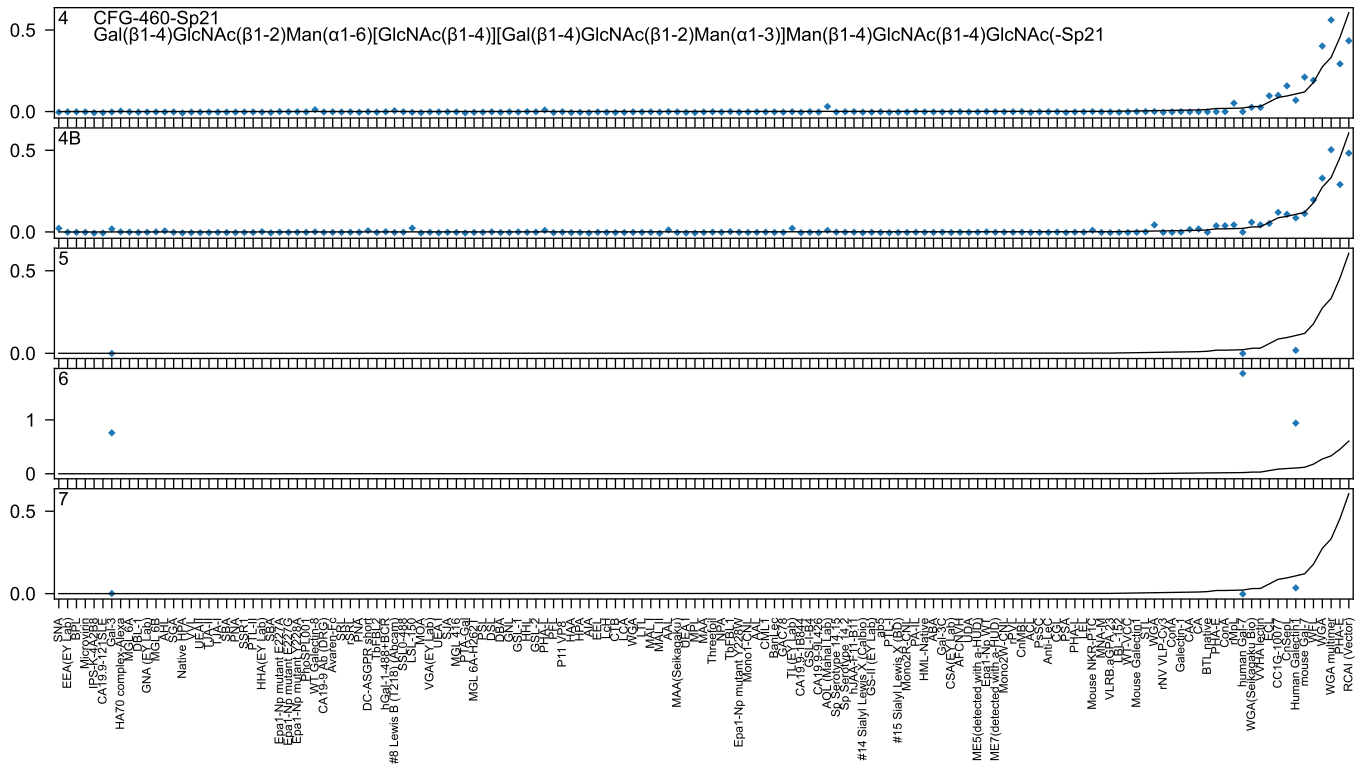

4
CFG-455-Sp21
Fuc(α1-3)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
SNA-I
PHA-E
PHA-L
PNA
UDA
WGA mutant
Kaja3
IPS-K-4A2B8
Galectin-8
GSL-I (EY Lab)
HHA(EY Lab)
PHA-P
SBA
UEA-I
WT Galectin-1
Epa1-Np mutant E227A
Epa1-Np mutant E227G
WT Galectin-7
Sp Serotype 6A C28
NPA
MGL
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T218 Abcam)
MEZ(detected with a-HUD)
MEZ(detected with a-HUD)
INV VLP-Cy3
hGal-1488-PCR
hJAA-F11-B11
Anti-Galectin-1
DBA
UEA-I
EEA
ConA
GNL
PHA-P
P11 VPA
ABA
DSL
CA19.9-Cell44
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
PA-IL complex Ala2a
SSA
VGA(EY Lab)
hSC
Bran-Fc
Avarem-Fc
Sp Serotype 15 (EY Lab)
Sp Serotype 15 (EY Lab)
Mouse NKR-P1
NGC-68
LTA
MGL 6A-1D8
CA19.9 Ab (Abcam)
ASL
CA19.9-Fc
CA19.9-Fc
CA19.9-Fc
NALT
HML-1
WGA
GNA (EY Lab)
TJA-II
DC-ASGPR sing
LS-174T
ConA
PLA-A
PLA-B
GSL-I
TJA-I
Mucovirin
#15 Sialyl Lewis X
PERP2
Mono2R-CD4
CA
CnsBR
MPA
SBA
UEA-I
LEA
DBL-1
PP-L
ABL
GSL-I-B4
PSA
VVL
MAA(Seikagaku)
BNA
VLRB.aCD23
SSA-O-488
MMA-M
HPA
LBL-IC
Gal-3C
Mono2W-CD4
Mouse Galectin1
WGA(Seikagaku)
Kaja3
Mono
NOA
Native HPA
Threefoil
BTL mutant
LEL
VGA
ABA
Epa1-Np
COA
ACL
MAL
CTB
human Galectin-1
Human Galectin-1
Galectin-1
mouse Galectin-1
rMP
rMP
WGA
BPL
VVHA (10077)
CCL2 (10077)
Chitinase
VVEL
PAL
AOL (Mabtal Lab)
TBP
RCAI (Vector)

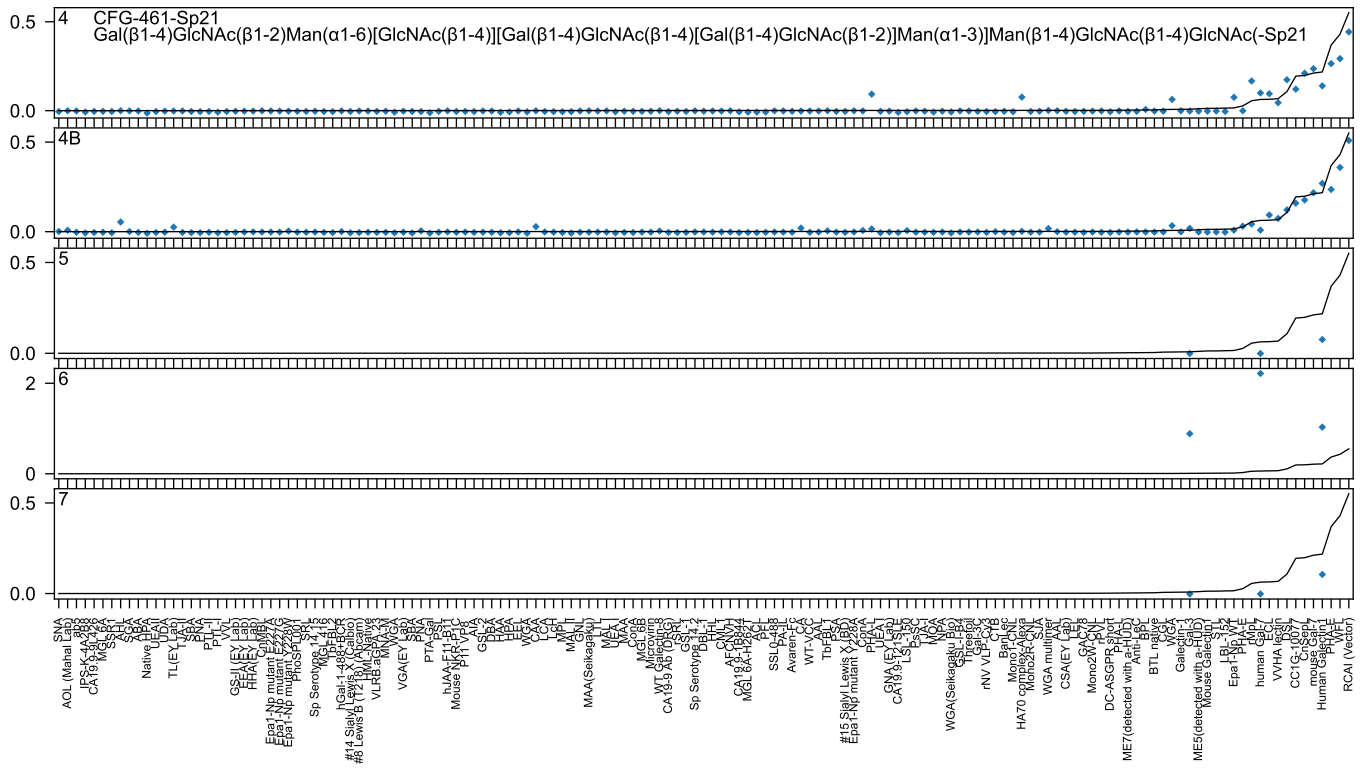

4
CFG-456-Sp21
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.0
0.5
1
SNA
LAA
AOL (Mahal Lab)
Allgrovid
CA19.9 (Lab)
mouse Gal-7
Gal-3
BanLec
VVHA lectin
HA70 complex
MGL-8A
Mono2D5 (Lab)
DBL-1
Mpk
Native PAA
WFL
UEAII
TL(EY Lab)
Lac-1
MGS-88
BP1
EEA(EY Lab)
GNA (EY Lab)
Epa1-Np 271
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
Epa1-Np mutant Y228G
PhoS-PLD1
Avarol-Fc
Galectin-1
Sp Serotype GAC 78
MGL-8C
hGal-1 (Calbio)
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
RCA
VGA(EY Lab)
SPA
SBA
PHA-L
HHA(EY Lab)
PNA
MGL-6A-HL
hGAL-1-B1
RCAI (Vector)
VSL-1
PBP
Mono2R-DR5
AAA
HPA
CSA(EY Lab)
GSL-I (Lab)
ACL
Gal-2C
EEL
KDA
NPA
MAL I
Anti-Lac
PHL
PCL
PSL
PNA
MAL
MAA(Seikagaku)
SNA
Mouse Galectin-1
MAA
Human Galectin-1
CaSep
LBL-1
LBL-1(Lab)
CA19.9-TB844
Sp Serotype 14
Mono1-SDN
WT Galectin-8
CA19.9 AB (TAG)
PTL-I
CA19.9-9-DS8
UEA-I
UEA-II
abo
VLRB.aGPA2
MPL
HIL
IPSK-4(Lab)
Human Galectin-9
ME7(detected with a-HUD)
#8 Lewis B (T218) (Calbiem)
LSK-150
VEA
GSL-IV (Lab)
DC-SIGNR (SIGN-R1)
TCA
BTL natrin
ABL
AIL
Tbp-SC
SSLO-488
STL
ACG
AFCONVE
PTA-Gal
rNV VLP-Cy3
GSL-I
Conca
PGT
ABA
Mouse NKP-PTC
ME5(detected with a-HUD)
SSL
VCA
SSRI
PHA-E
TcBP2
WGA(Seikagaku)
Bijo
WGA mutant
WGA

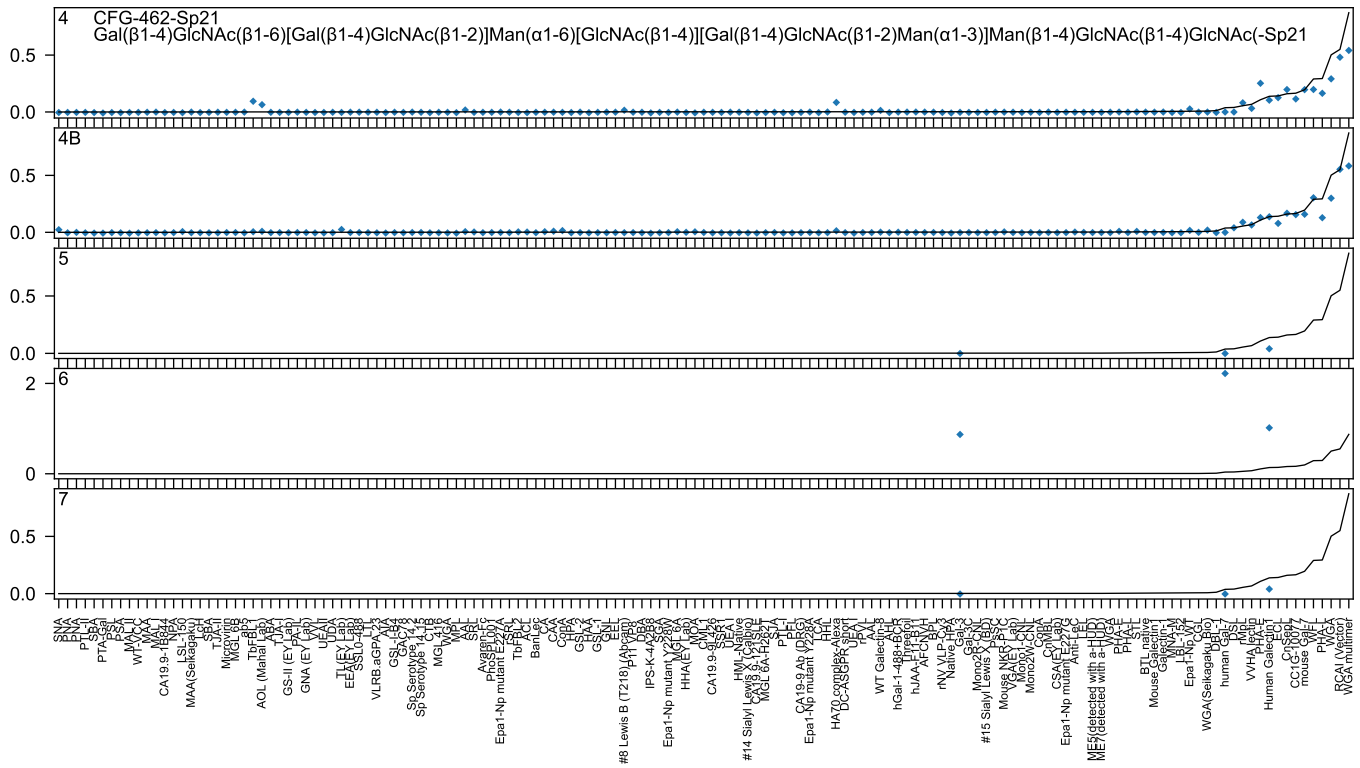

4
CFG-457-Sp21
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-4)[GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
EEA(EY Lab)
CNL
Mono2V-CNL
AOL (Mahal Lab)
CA19.9
PFS K-16-0882
Gal-3
CGL
Bap1
HA70 complex-Alexa
DBCA
PAA
PAL
WVL
UEA
TL(E-UEA)
LCA
PSA
SBA
PSA
GNA(EY Lab)
PHA-L
PHA-E
Epa1-Np WT
PhoS-CNL
WT Galectin-8
Sp Galectin-8
#15 Sialyl Lewis X (TBD)
#8 Lewis B (T2 Lab)
nNV Naive
nNV VLP
PNA
VLRB aGPA 23
VLRB aGPA 33
LSL-125
LSL-126
WT-AAL
WT-MOA
MNA-M
VGA(E-UEA)
UEA
SSA
SSL0488
MGL 6A-Lectin
hJAA-F11-B1
Human Galectin1
CSA(EY Lab)
Mouse Galectin1
HAA
LEL
CFB
Gal-3C
Thrombomodulin
EBP
CNL
PTL-I
CNA
Mono1-CNL
Mono2R-CNL
LEL
P11 VPA
MAA
MAL
UEA
MEL
ECL
MAA(Seikagaku)
PTA-Gal
PTA
Galectin1
Galectin3
MGL
CA19-9 Ab (Clone 116-NS-19-9)
Epa1-Np mutant Y95A
Epa1-Np mutant E227A
AOL-LEC
CC1(G-10077)
human-Sap1
human-Sap1-Fc
Epa1-Np mutant T229A
CA19.9-PLA26
TbFBL1
Sp Serotype 14
Epa1-Np mutant K228W
#14 Sialyl Lewis A (Calbio)
Lewis A
Human IgG
CA19.9-Fc
AHL
Microcystin
GSL-I
GSL-IB4
MGL-8A
Native CCF
BTL
WGA
VVHA-scFv
AFCNVH
BP
DC-ASGPR
PsSC
ME7(detected with a-HUD)
CAA
CnVB
AEA
Mouse NKR-P1C
ME5(detected with a-HUD)
PVL
GSLB4
SSA
SSB1
TbFBP2
WGA(Seikagaku)
PNA
PAGE
WGA multimer

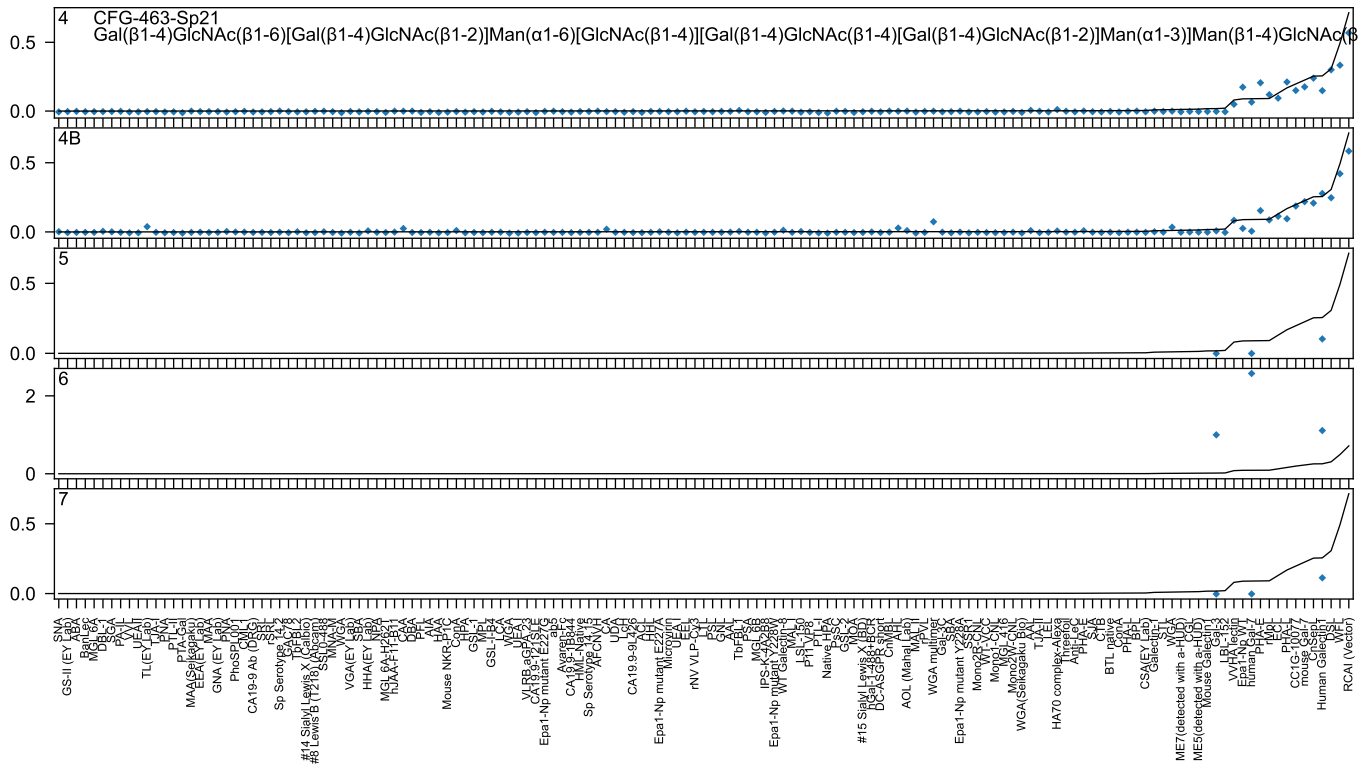

4
CFG-458-Sp21
GlcNAc(β1-6)[GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
CNL
Monos2W-CNL
AOL (Marial Lab)
PSA
PSS-K-4A2B8
CA19-9-18844
CA19-9-18844
mouse Gal-7
human Gal-7
VVA
BanLec
HA Alexin
HA70 complex
MGL 8A
MGL 8B
WGA
IsoBS1
PNA
WFL
UEA1
UEAII
UDA
TL(EY Lab)
TL(EY Lab)
EEA(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
PWA
Epa1-Np WT
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
Bros-Pro001
CA19-9
Avaren-Fc
DC-ASGPR snoo
hGal-1-488+hPCR
#15 Sialyl Lewis X (BD)
hGal-1-488+hPCR
#8 Lewis B (7418) (Abcam)
#8 Lewis B (7418) (Abcam)
MET(detected with a-HUD)
LBL-155
LBL-155
AAL
WT-MOX
MOX
VGA(EY Lab)
WGA
UEA1
SBA
HML-Neo
SBA
hJAP-F11
VAA
AOL
SJA
NPA
GNA
GCTB
MEL
MOA
CBM
GSL
CSA(EY Lab)
EPA
EPA
HAA
Gal-3C
PHA-L
WAE
PNA
RCAI (Vector)
PTL-I
PTA-A
AIA
PST
Mouse Galectin-8
DBA
Human Galectin-1
MAA(Seikagaku)
UEA1
UEA1
PHA-E
Epa1-Np mutant E227A
COLI
BTL native
MGL 8A-H2931
CA19-9-5A4E6
CA19-9-5A4E6
Microvilin
Sp Serotype 1/1
Sp Serotype ECC
WT-Galectin-8
Mono-Galectin-8
Anti-LeC
Galectin
Monoclonal
Sp Serotype 14-15
#14 Sialyl Lewis X (Cabio)
SJA
SJT
AGE
PCL
Thrombin
CAA
rNV VLP-SGA
SSA
SSpl-488
PSSC
Native HPA
Gal-3
GS-II (EY Lab)
AFCNYH
MNA-M
CMBA
CC1G-100-2
GKG76
GKG76
MET(detected with a-HUD)
Mouse NKR-P1-PVC
GSL-2
GSL-2
PTA-A
CSR
SRL
PTA-A
TJA-I
TJA-II
TPA-2
WGA(Seikagaku) Biot
WGA multimer

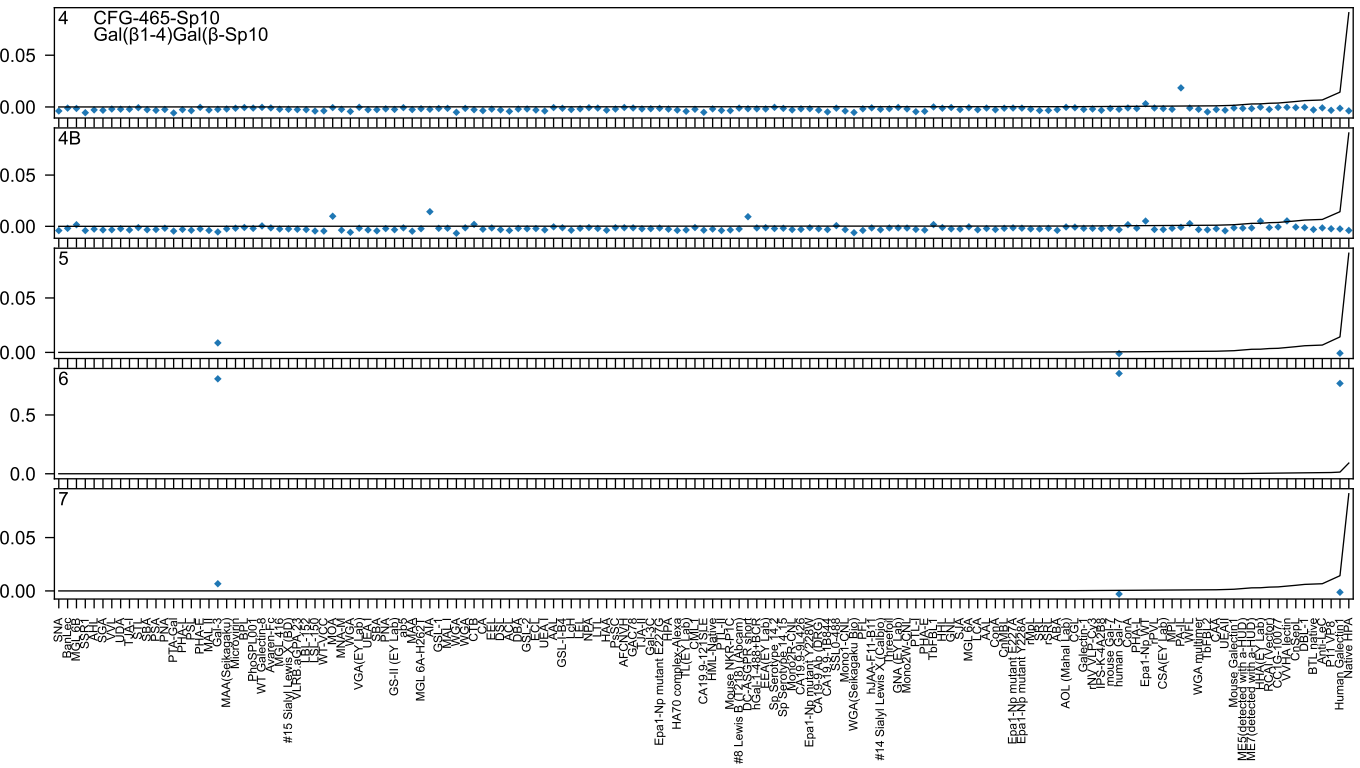

4 CFG-459-Sp21
GlcNAc(β1-6)[GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-4)[GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.2
0.0
1
0
SNA
RCA
AOL (Mahal Lab)
aleo
Microvin
IPSC-1-A2B5
CA19-9 Ab126
CA19-9 Ab144
human Gal-1
human Gal-7
Mono2W-Galectin
HA70 complex-Alexa
MGL-GB
MAL
SSA
PNA
RAA
VVL
UEA
UDA
TL-I (EY Lab)
MAL (Lab)
BPL
GNA (EY Lab)
Epa1-Np WT
Epa1-Np mutant
Bmi-SP2001
WT Galectin-8
CA19-9 Ab
Galectin-1
Galectin-1-2
Sp Serotype 14-2
Sp Serotype 14-3
DC-ASGPR Ab
EFA (EY Lab)
hGal-1-SSL-P68
WSL-150
WFA
MOA
VGA(EY Lab)
UEA-1
SBA
PNA
HHA(EY Lab)
vLRB aGp-392
hJAA-F11-A1
SBA
LCA
CSA(EY Lab)
LTA
HPA
DBA
CoA
CEA
PEL
P11
VEL
ACL
Gal-3B
WGA
AAL
Mouse Galectin
Human Galectin
ECA
UEA-1
GNA
NPA
PSA
PNA
RCAI (Vector)
MAL
MAL-I
PTA-Gal
PHA-E
MAA(Seikagaku)
PSL
Epa1-Np mutant
WGA(BLT Ab)
CGL
HML-NHAA
Bauhinia
LBL-1
LBL-2
Epa1-Np mutant
BT-Native
Anti-MP
rNV VP1-1
GSL-I-4
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X
#8 Lewis B (Y2-18F1 Ab lab)
Threonol
Mono2R-CNL
PI-PEL
GSL-I-B4
AFCNGH
VVHA-Lectin
Epa1-Np mutant
Native HPA
Mouse NKR-P1C
ME7(detected with a-HUD)
CC1G-Thr07
CC1G-Ser07
GP-VI
WGA(Seikagaku Bio)
MEs(detected with a-GSL2)
GSL-II (EY Lab)
PHA-L
SSL
SSR
SSR1
WGA mutant
WGA

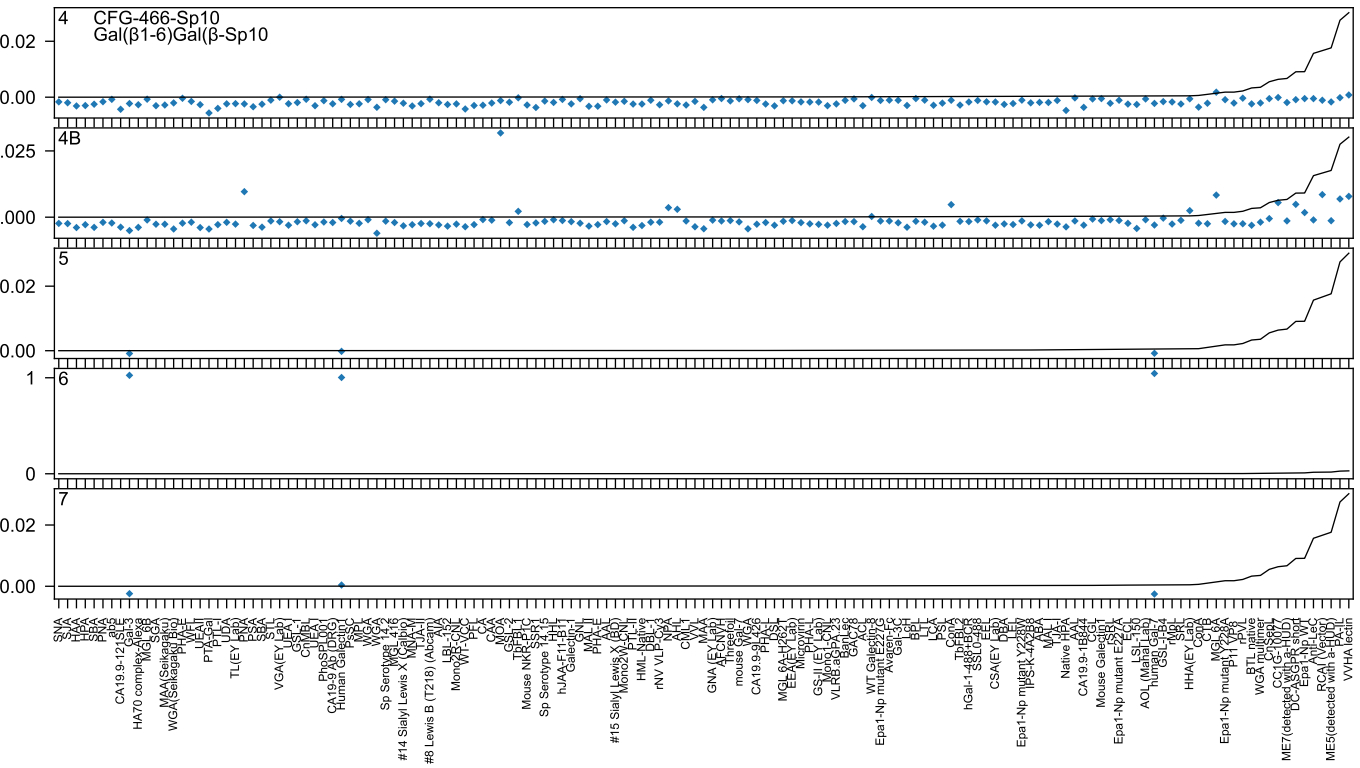

4
CFG-460-Sp21
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
BPL
EEA(EY Lab)
MOR
IPS-K12/188
CA19.9-12/SLE
HA70 complex Alexa
MOR-6A
GNA (EY Lab)
MGL-1A
Native VVA
SGA
LWA
UEAI
UEA
PSA
PHA
SSA
HHA(EY Lab)
SBA
Epa1-Np mutant E227G
Epa1-Np mutant E227G
Epa1-Np mutant S227G
WT Galectin-8
CA19.9 Alexa
SBB
PNA
DC-ASGPR Biotin
hGal-1-488-BCR
#8 Lewis B (T218)
LSL (Vector)
VGA(EY Lab)
UEA
MGL 116
MGL 6A-Fucosal
PSL
DBA
SNL
GNL
GSL-I
PSL-2
PEF
P11
VGA
HPA
EEA
ELA
CFG
CCA
WGA
MAL
MAL1
MAL2
MAA(Seikagaku)
DSL
MPA
MAA
Thrombin
SPA
Epa1-Np mutant Y227W
Mono F-CNL
CML1
Banlec
TL(EY Lab)
CA19.9-1-426
ACSA(Internal Lab)
Sp Secretory 1-4
Sp Secretory 1-4
#14 Sialyl Lewis X (Calbio)
GS-II (EY Lab)
P
PFL1
#15 Sialyl Lewis X (BD)
Monosialo-GM1
HML-NABA
PA-IL
Gal-3C
CSA(Fucosyl)
APCN001
ME5(detected with a-HUD)
Epa1-Np WT
ME7(detected with a-HUD)
Wonzai-CNL
PNL
Con A
ACL
Anti-LFSC
CGL
PHA-E
PHA-L
Mouse NKR-P1
MNA-M
VLRB aGPA-B2
WT-VCC
Mouse Galectin1
WGA
rNV VLP
ConA
Galectin-1
CA
BTL-native
ConA
Gal-7
human Galectin1
WGA(Seikagaku Bio)
VHHA (EPC)
CC1G-1007
Human Galectin1
mouse VAE
WGA
WGA mutant
HHA
RCAI (Vector)

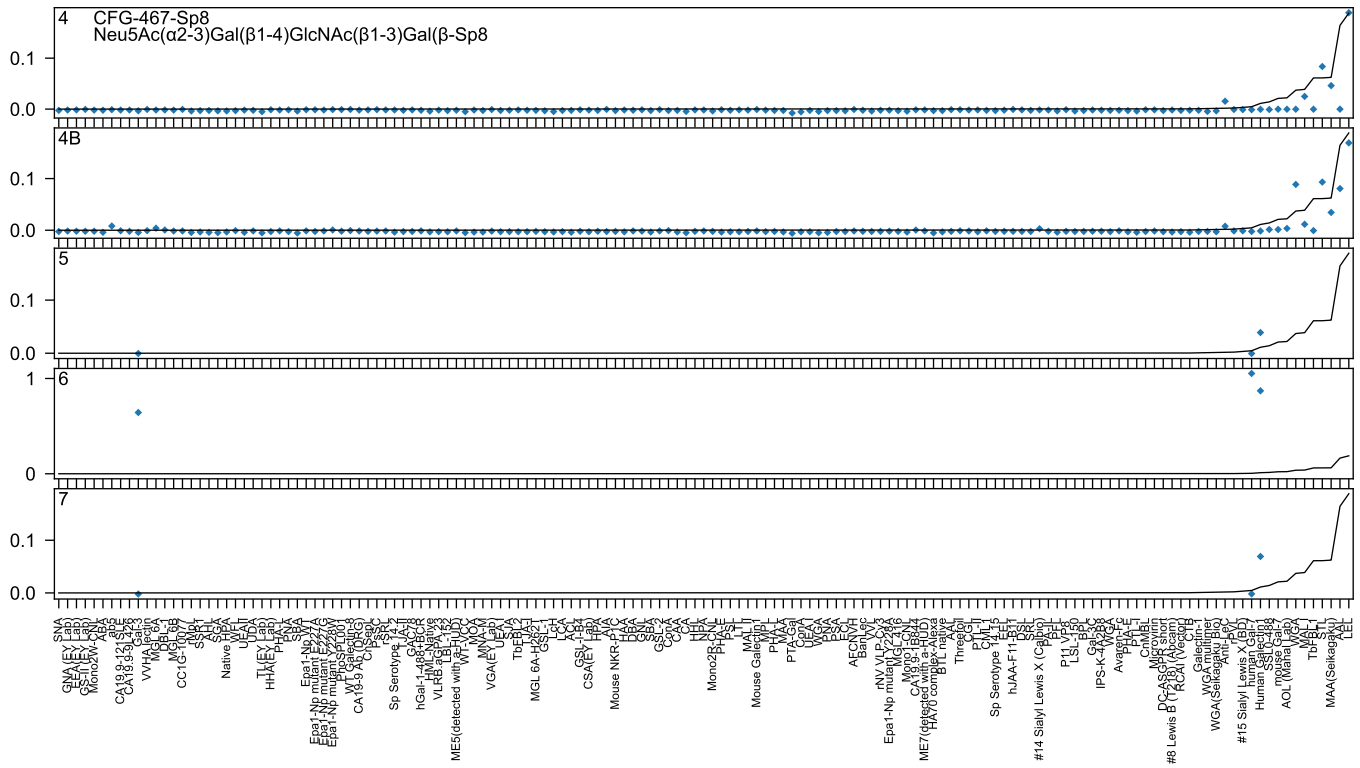

4
CFG-461-Sp21
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-4)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
2
0
SNA
AOL (Mahal Lab)
ABA
JFCK-44-428
CA19-9-428
MGL-6A
SSA
AAL
SGA
Native LEA
UEA
UDA
TL(EY Lab)
SBA
PNA
PTL-I
PTL-II
VVL
GSII (EY Lab)
EEA (EY Lab)
HHA(EY Lab)
Epa1-Nb mutant E227A
Epa1-Nb mutant Y228W
Epa1-Nb mutant Y228W
PhoSPG-PR
Sp Serotype 14-18
MGF-6-18
#14 Sialyl Lewis X (Abcam)
#6 Lewis B (Abcam)
VLRB.aqua
VLRB.aqua
MAA-N
VGA(EY Lab)
VGA
SBA
SNA
PTA-Gal
BST
hJAA-F11
Mouse NKR-P1C
PHA-L
PHA-E
GSL-2
BPA
LEA
WGA
CCA
CGA
LCH
MAL-II
MAL
GNL
MAAA(Seikagaku)
MEL-I
MAA
MGL
Microvirin
WT Microvirin
CA19-9 Abcam (CORIS)
GSNI
Sp Serotype 14-2
DBA
CTL-1
CVNH
AF-18944
CA19-9 (BD)
MGL 6A-H2627
PNA
SSL-6488
Avaren-Fc
WT-VCA
AAL
TbpB-BSA
BSA
#15 Sialyl Lewis X (BD)
Epa1-Nb mutant
CGA
PTL-II
LEA-1
GNA (EY Lab)
CA19-9-SPC
LS-1-SPC
PsSC
MGA
WGA(Seikagaku)
NPA
GSL-I-B4
Tnfepsl
Tnfepsl
rNV VLP-CX3
Bacillus
Mono1-CNL
HA70 commercial
Mono2R-CNL
SJA
WGA multimer
AAL
CSA(EY Lab)
GAC78
Mono2WT-CNL
PVL
DC-ASGPR Biot
ME7(detected with a-HUD)
Anti-BPC
BPC
BTL native
VGA
Galectin-1
ME5(detected with a-HUD)
Mouse Galectin1
Epa1-Nb
LBL-162
BPA
BPAE
human Galectin1
BPC
VVHA lectin
CCTG-10077
CrSap7
mouse Galectin1
Human Galectin1
PNA
WFE
RCAI (Vector)

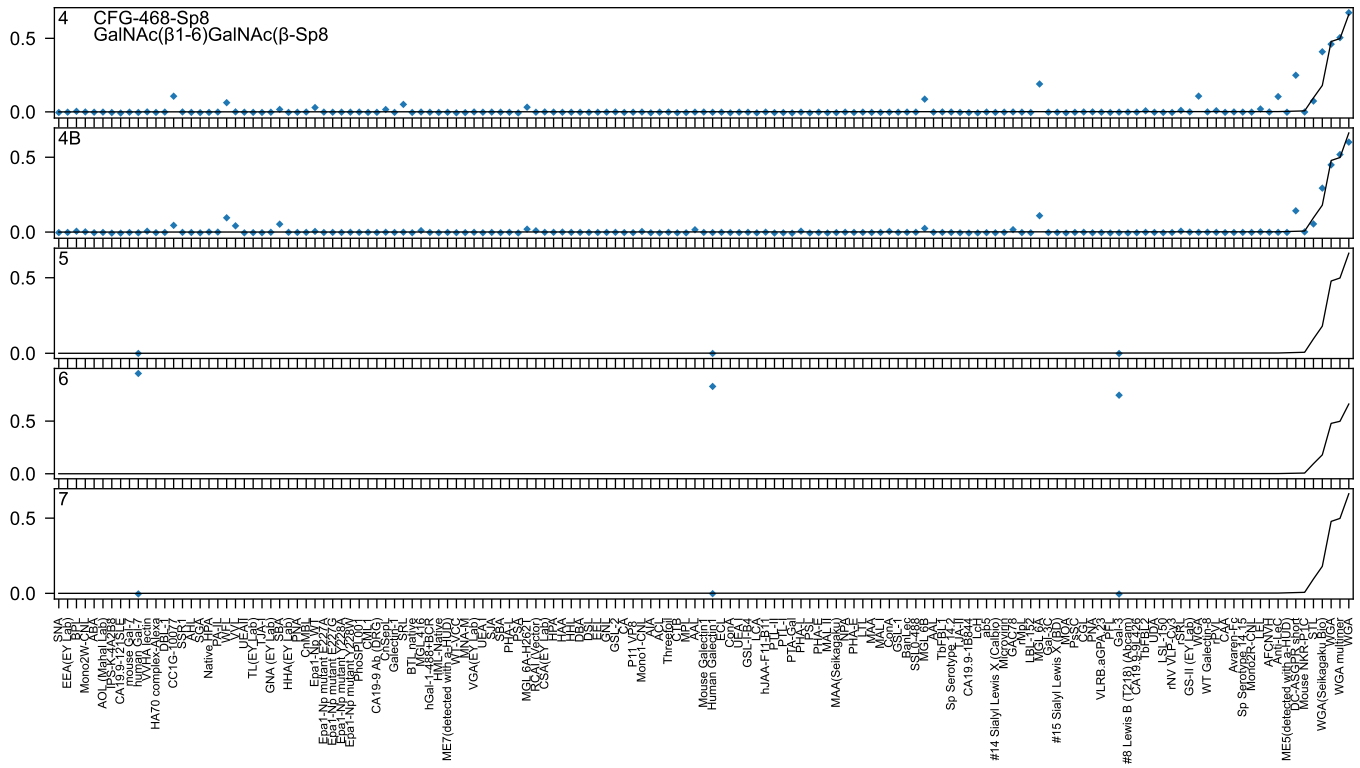

4
CFG-462-Sp21
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
4B
5
6
7
0.0
0.5
2
0
BNA
BPA
PNA
PTL
SBA
PTA-Gal
PSA
WFA
WGA-D
MAA
MAL
CA19.9-Hybrid
NPA
LSL
MAA(Seikagaku)
SBI
TJA-II
MNA-M
WGA-VR
WGA-VB
Tra-B5
AOL (Matriel Lab)
ABA
ABL
GS-II (EY Lab)
GNA (EY Lab)
VVL
UEA
UDA
TJA-I (EY Lab)
EEL (EY Lab)
SSL0-488
SSL0-594
VLRB.aGP-T1
AIA
GSL-I-B4
Sb Serotype 14.2
Sp Serotype 1 C18
MGL
WGA
MPL
SBL
Avaren-1-F5
Epa1-Np mutant E227A
FSL
Tbr
ACL
BamLec
CAA
CHA
HPA
GSL-2
GSL-4
GNL
EUL
#8 Lewis B (T218) (Abram)
PTL
DBA
IPS-K-A288
Epa1-Np mutant Y228W
MGL
BA
HHA(EY Lab)
MPA
CA19.9-Sialyl Lewis X
SSA1
SSA2
HML-Native
#14 Sialyl Lewis X (Calbiq)
MGL 6A-F282T
PTA
PTL
PEL
CA19.9-Ab (D223)
Epa1-Np mutant D223A
LCA
HA70 complex-Alexa
DC-ASGPR (Rio)
PNA
PVL
AVA
WT Galectin-1
AGL
hGal-1-488+Bio
hJAA-F11-B11
APC-Bio
BPL
nNV VLP-Gal3
Native Gal-3
Mono2Gal-3C
Mono2Gal-3N
#15 Sialyl Lewis X (Bio)
Mouse NKR-P1C
VGA(EY Lab)
Mono2W-CNL
CORA
CSA(EY Lab)
Epa1-Np mutant F222A
ME5(detected with a-HUD)
ME7(detected with a-HUD)
LEL
WVA
PHA-E
PHA-L
STL
BTL native
Mouse Galectin1
Galectin-3
MNA-M
LBL-1A2
Epa1-Np WT
CGL
WGA(Seikagaku Bio)
human Gal-7
Gal
hGL
VVHA-Arg10
Human Galectin-1
Sec
CC1G-10074
mouse VAE
VAE
PWA
PHA-E
RCA I (Vector)
WGA multimer

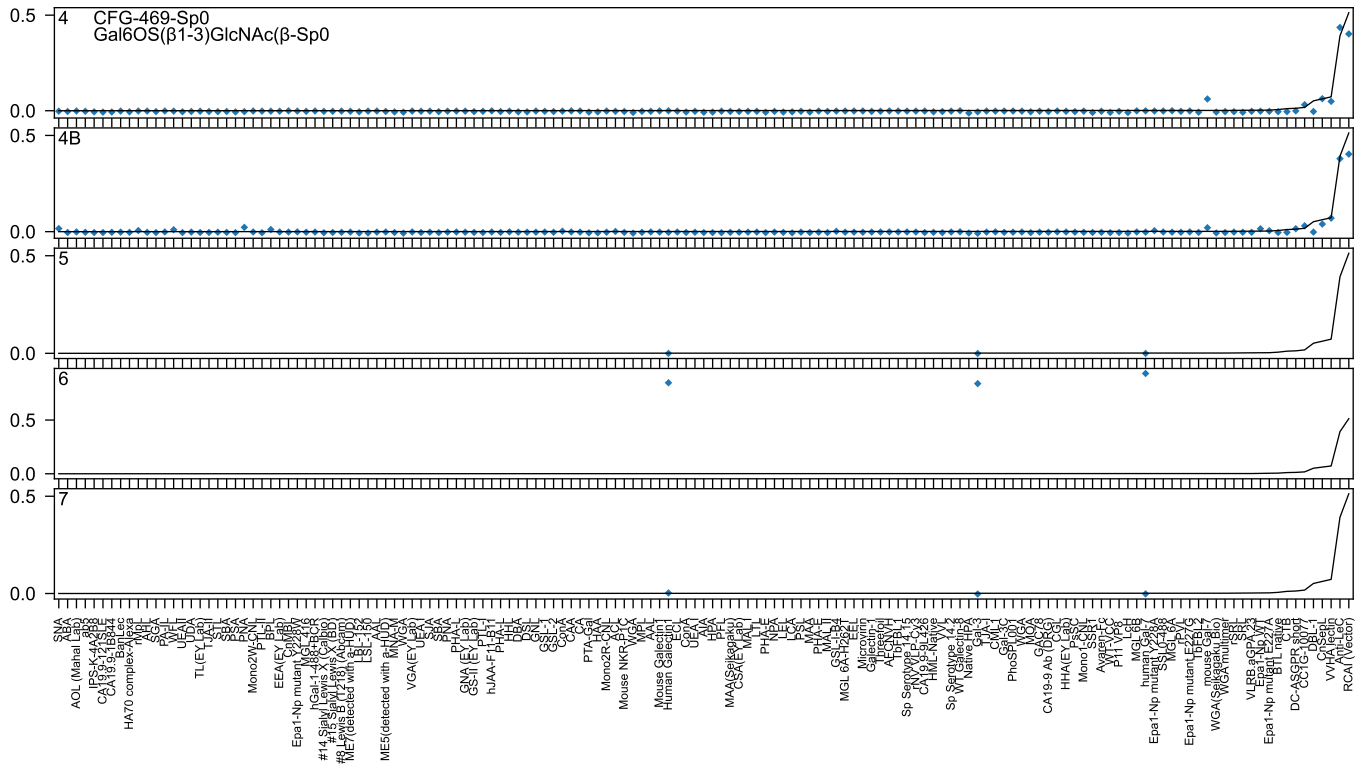

4
CFG-463-Sp21
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-4)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β
4B
5
6
7
0.0
0.5
0
2
SNA
ABA
Bandeiraea
MAL
DBL-1
PAT
UEA-II
UEA-I
TL(EY Lab)
PNA
PTL-I
PTL-II
MAA(Seikagaku)
EEA(EY Lab)
GNA (EY Lab)
PhoSP(NA)
CA19-9 Ab (DSHB)
SBA
SJA
Sp Serotype 6A C78
Sp Serotype 6B C79
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (T218) (Accam)
SNA-II
WGA
VGA(EY Lab)
SBA
HHA(EY Lab)
MGL (EY Lab)
hJAA-F11
BPA
DBA
UEA
AIA
PAA
Mouse NKR-P1
CorA
SJA
GSL-I-B4
MPA
VGA
GSL-I-A4
VLRB.aGFP.23
CA19.9-Np mutant E235Y
Epa1-Np mutant E235Y
aps
CA19.9 (BBI)
CA19.9 (BBI)
HMC-Native
Sp Serotype 14 (ATCC)
UCA
UEA
LGI
CA19.9-9L426
LGI
Epa1-Np mutant E235Y
DHT
Microcystin
UEA
rNV VLP-C23
PST
GNL
TbFBP
PSA
IPS-K-42289
Epa1-Np mutant Y228W
WT Gal-Lectin
MALI
PTL-I
PTL-II
Native-PSA
GSL-I-A4
#15 Sialyl Lewis X (BD)
Galectin-1
DC-ASGPR-ECD
CrMB
AOL (Mana) (Lab)
MAL-II
WGA multimer
Galectin-3
Epa1-Np mutant Y228A
Mono2B-CSN
WT-YCC
Mono2W-CSN
WGA(Seikagaku)
PNA
TJA-I
HA70 complex-Alexa
Amphiphysin
PHA-E
CTB
BTL native
PHA-L
CSA(EY Lab)
Galectin-1
VGA
ME7(detected with a-HUD)
ME5(detected with a-HUD)
Mouse Galectin-1
LTB-152
Epa1-Newport
Epa1-Newport
human Galectin-7
PHA-L
MPA
PHA-E
CC1G-10077
mouse Galectin-7
Human Galectin-1
WPL
RCAI (Vector)


4
CFG-465-Sp10
Gal(β1-4)Gal(β-Sp10
4B
5
6
7
0.05
0.00
0.5
0.0
SVA
Ban
MGL 6B
SNA
SSA
UDA
UEA
LCA
SBA
PNA
PTA
PTA-Gal
PSL
PWA
PWA-T
Gal-3
MAA(Seikagaku)
Vicrobind
BPL
PhoSPL
wT Galectin-8
Avarol-Fc
Avarol-Fc
#15 Sialyl Lewis X (BD)
VLRB aggr 2.83
TSL-155
WT-WOX
MOX
MNA-M
VGA(EY Lab)
UEA
PNA
GS-II (EY Lab)
MAA
MGL 6A-HA
ZAA
GSL-1
WGA
VGA
CTB
CA
ESL
ACL
GSL-2
UEA-I
AAL
GSL-I B4
NPL
NEL
HPA
PSA
ACONA
GAL1
GAL7
Gal-3C
Epa1-Np mutant E227A
HPA
HA70 complex-Alexa
TLE (AMD)
CA19.9 (TSLE
HNK-1 (Biotinylated)
BPL
Mouse IVIG-Cam
#8 Lewis X (BD)
DC-ASGPR blog
hCaE (EY Lab)
EEA (EY Lab)
Sp-Serotype 14
Sp-Serotype 1,12
Monoclonal
Monoclonal
CA19.9 (Abcam)
Epa1-Np mutant E227A
CA19.9 (Abcam)
CA19.9 (BD)
CA19.9 (R&D)
SSL2 (EY Lab)
Mono1-CNL
WGA(Seikagaku)
BPL
hJAX-Fc (Lot 1)
#14 Sialyl Lewis X (BD)
Threeol
GNA
Mono2-CNL
PTL-I
TBPB-T
CIL
SJA
MGL 6A
AAL
CNBP
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Mogl
SBL
ABA
AOL (Mahal Lab)
Galectin-1
hNS-K-1A288
mouse Gal-7
human Gal-7
ConA
Epa1-Np mutant
CSA(EY Lab)
PWL
PWA-E
WGA multimer
TBPB-L
UEA(I)
Mouse Galectin-8
ME5(detected with a HUD)
ME7(detected with a HUD)
RCA(Vector)
CVN (Vector)
CSeP1
BTL
BTL-Biotin
Anti-LeC
Anti-LeC
Human Galectin-1
Native HPA

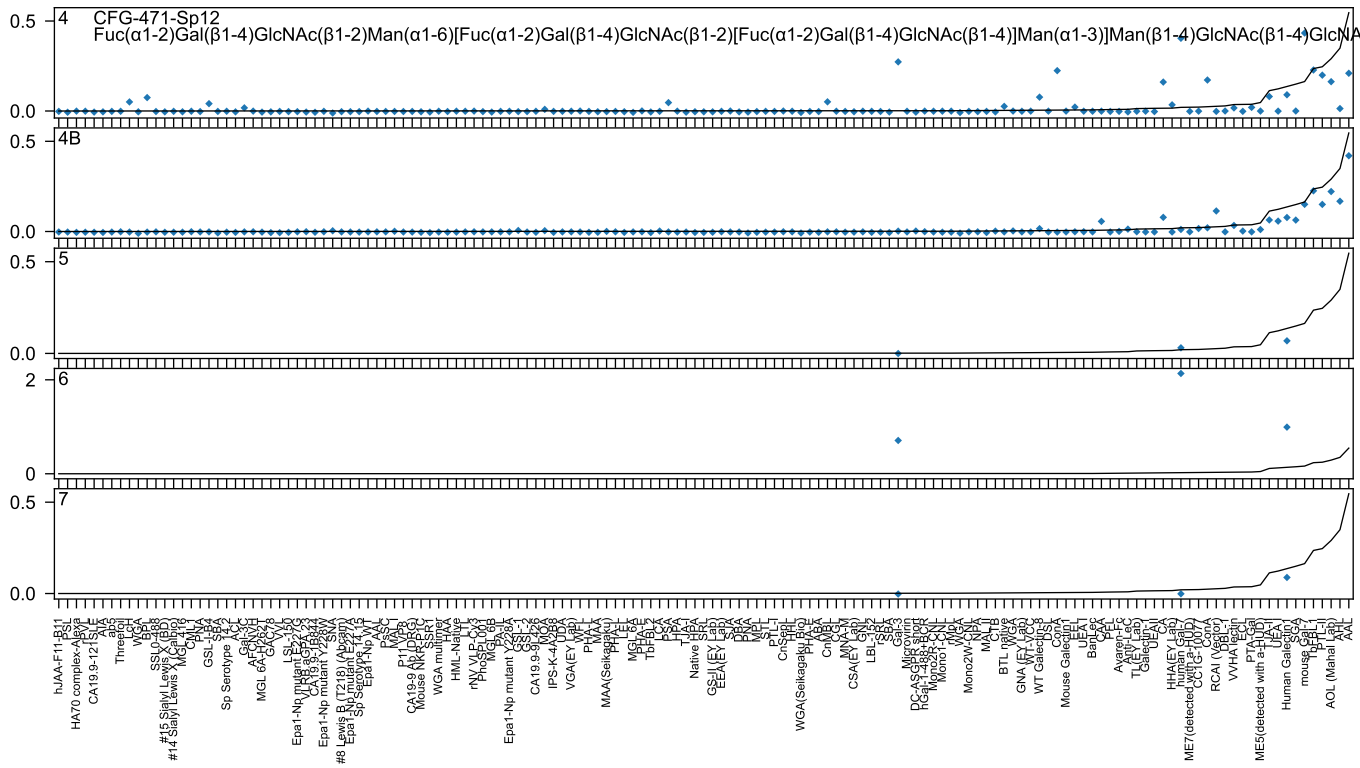

4
CFG-466-Sp10
Gal(β1-6)Gal(β-Sp10
0.02
0.00
4B
.025
.000
5
0.02
0.00
6
1
0
7
0.02
0.00
SNA
SVA
HAA
HPA
SBA
PNA
RCA
CA19.9-121
SCE
Gal-3
HA70 complex
Xylan
MGL 88
MAA(Seikagaku)
WGA(Seikagaku)
Bauhinia
PHA-L
WFE
EAE
PTA
PHA-E
UDA
TL(EY Lab)
PNA
SBA
SSA
STL
VGA(EY Lab)
UEA-I
GNA
GSL-I
EAE
PhoD
CA19-9 Ab (DRG)
Human Galectin-1
PWM
WGA
WGA
Sp Serotype 14-2
WGA
#14 Sialyl Lewis X (Kanto)
MAA
MAA
#8 Lewis B (T218) (Ab-cam)
LBL
AVA
Mono2B-ONL
WT-PEC
CA
MOA
GSL-2
TKH-PTG
Mouse NKR-PTG
SSA-S
Sp Serotype
SSA-S
HHL
hJAg-1
Galectin-1
GNL
PTA
PTA-E
#15 Sialyl Lewis X (Kanto)
Mono2A-ONL
HML
Nat-ip
DBL-1
nNV VLP
NGA
AAL
CVN
VVL
GNA (EY Lab)
AFCNVH
mouse Galectin-1
WGA
CA19.9 PHAED
MGL 6A-H
PSA
EEA(EY Lab)
MicrpAH
GSL-II (EY Lab)
VLRBaGPA-23
Ban-56
ACL
WT Galectin-3
Epa1-Np mutant Y228A
Avidin-FC
Gal-3H
BPL
LCA
PSL
CFB-1
TnFB-2
hGal-1-rabbit
SSA-S
CSA(EY Lab)
EEL
DBA
Epa1-Np mutant Y228F
PSA-K 442B8
MAA
VAA
Native AAA
CA19.9-18B4
Mouse Galectin-1
Epa1-Np mutant E256A
ECL
ISL
AOL (Maruki-Lab)
human Gal-7
GSL-IV
MPA
SRL
HHA(EY Lab)
CorA
CTB
MGL 7A
Epa1-Np mutant Y228A
pH 1.0
pH 7.0
B TL native
WGA dimer
PhoD
ME7(detected with a-PAL)
CCL(G-1007)
DC-ASGPR short
Epa1-Np wt
RCA(Vector)
ME5(detected with a-PAL)
VVHA lectin

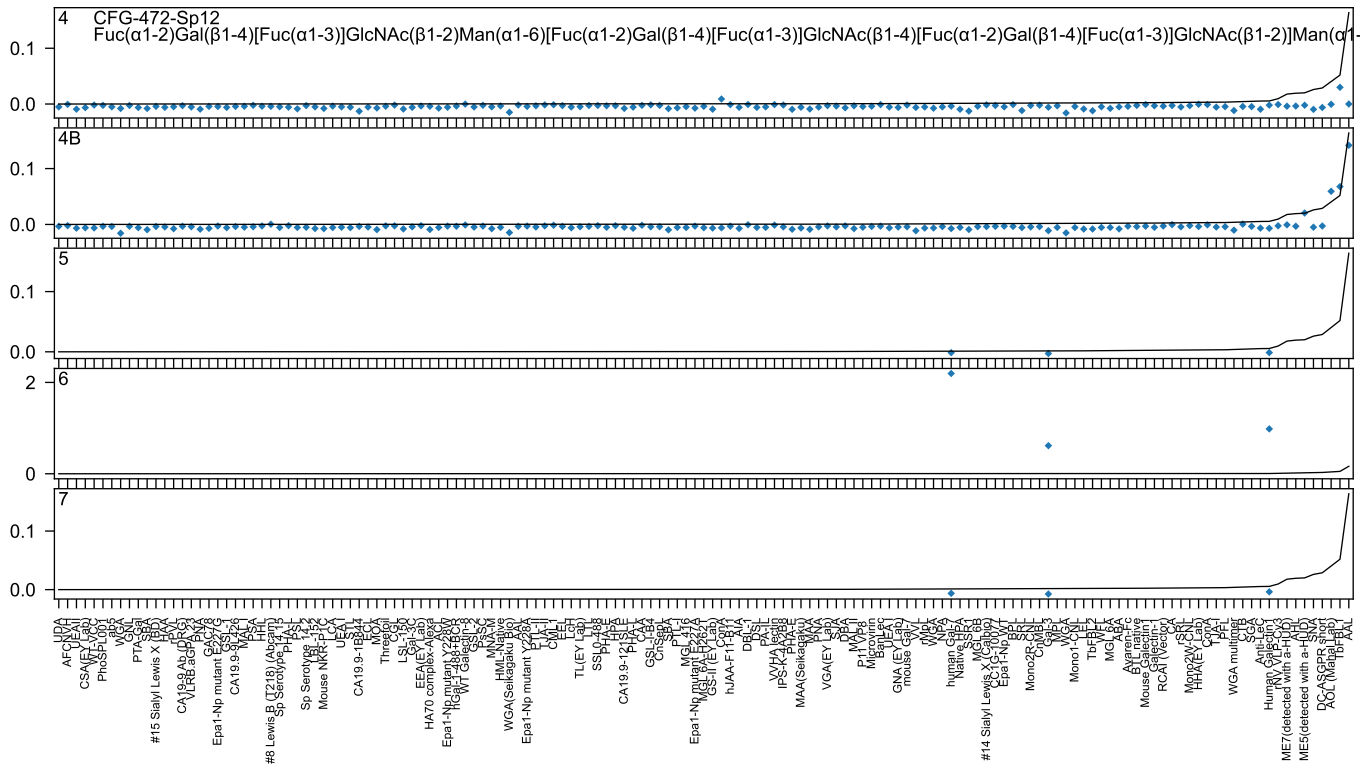

4
CFG-467-Sp8
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β-Sp8
4B
5
6
7
0.1
0.0
1
0
SNA
GNA (EY Lab)
EEA (EY Lab)
GSL-I (CRL)
Mono2W-CRL
ABA
CA19.9-121
SPE
CA19.9-Sp8
VVHA
Lectin
MAL
GBL-A
MOG
CC1G-1
Mono
SSA
SBA
Native WGA
UEA-I
UDA
UEA-II (EY Lab)
TL (EY Lab)
HHA(EY Lab)
PNA
PHA
SNA
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Epa1-Np mutant C228A
Epa1-Np mutant Y228A
Phos-S-PL001
WT-Epa1-Np
CA19.9 Ab (CRG)
CA19.9 Ab (CRG)
Sp Serotype
IgA-T
IgA-T
hGal-1-48
GAC78
LIM-Native
VLRB aGLA 23
VLRB aGLA 23
ME5(detected with 3e-HuD)
WT-MOX
VGA(EY Lab)
MVA-M
VGA(EY Lab)
TxB
TxB
MGL 6A-H3521
GSL-I
LCH
ACA
GSL-I-B4
CSA(EY Lab)
HPA
Mouse NKR-P1A
AIA
HAA
GRA
SBA
GSL-I-A4
CAA
HHL
NPA
Mono2R-CRL
PHA-E
PSL
MAL II
Mouse Galectin-9
WFL
PNA
PTA-Gal
CEA
GNA
WGA
PSA
ESA
AFCVH
Barley lec
rNV VLP-C/5
Epa1-Np mutant Y228A
Mono-CAN
CA19.9-18B44
CA19.9-1B78
ME7(detected with 3e-HuD)
HA(X) complex-Alexa
BTL native
Threspin
PCL
CML1
Sp Serotype 1
EEL
hJAA-F11-B11
SRL
#14 Sialyl Lewis X (CA19.9)
BPL
P11-Lectin
LSL-Lectin
BPL
IPS-K-48298
WGA
Avarol-E
PHA-E
CnMBL
Microvirin
DC-ASGPR
#8 Lewis B (CA19.9 Ab)
RCA (Vector)
Galectin-1
WGA (mutant Brer)
WGA(Seikagaku)
Anti-Leo
#15 Sialyl Lewis X (BD)
human Gal-7
Human Gal-7
SSA
R-488
mouse Gal-7
AOL (Marine Lect)
WGA
TxB
MBL-1
STL
MAA(Seikagaku)
AAL
LEL

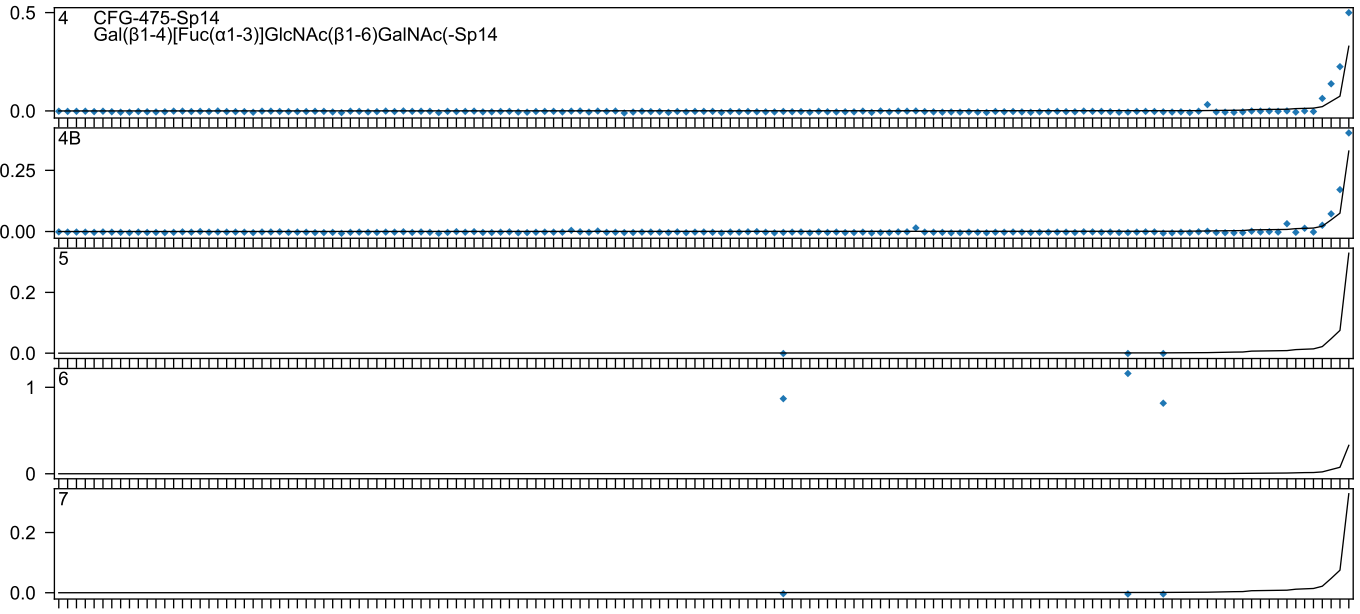

4
CFG-468-Sp8
GalNAc(β1-6)GalNAc(β-Sp8
4B
5
6
7
0.5
0.0
SNA
BPL
Mono2W-Lab
ABA
AOL (Mahal Lab)
CA19.9-12-SCE
mouse Gal-7
VVHA actin
HA70 complex-DeLeya
CC1G-10077
SJL
SBA
Native PNA
PAJ-I
WGA
VEAH
TL(E1-Lab)
GNA (EY Lab)
LAA
HHA(EY Lab)
MAA
Con A
Epa1-Np WT
Epa1-Np mutant E221A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
ProSP-C001
CA19-9 Ab
CNL
CnSepl
Galectin-8
BTL native
hGal-1-488-BCR
HML-Native
WT VGA
VGA(E.coli)
UEA
SSA
PHA-L
MGL 6A-H2628
RCA(Vector)
CSA(EY Lab)
HPA
LTA
HIA
DBA
EEL
SGL
GSL-I
CA
P-2
Mono1 UPB
AIA
Threelectin
KPB
AAL
Mouse Galectin-1
Human Galectin-1
ECL
UEA-I
GNA
GSL-I-B4
hJAA-F11-B11
PTL-I
PTA-Gal
PAS
PHA-E
MAA(Seikagaku)
NPA
PHA-L
LTA
MAL
MAA
Con A
GSL-I
Bandeiraea
SSA-488
MGL-488
MGL-AB
tuPBL-1
Sp Serotype 1-LAJ1
CA19.9-1B404
L-14
ab5
#14 Sialyl Lewis X (Cellulin)
MGL-78
GAL78
LBL-162
MGL-5A
#15 Sialyl Lewis X (BD)
PNA
CGL
VLRB.aGPA-73
Gal-1
#8 Lewis B (T218) (Abcam)
CA19.9-1B42
UDA
LSL-C33
rNV VLR-C33
GS-II (EY Lab)
WGA
WT Galectin-3
CAA
Avarol-1-15
Sp Serotype 1-LAJ1
Mono02R-CNL
AFCNVH
Anti-HLDR
ME5(detected with Anti-HLDR)
DC-ASGPR-short
Mouse NKR-P1C
WGA(Seikagaku)
Bio
WGA multimer
WGA

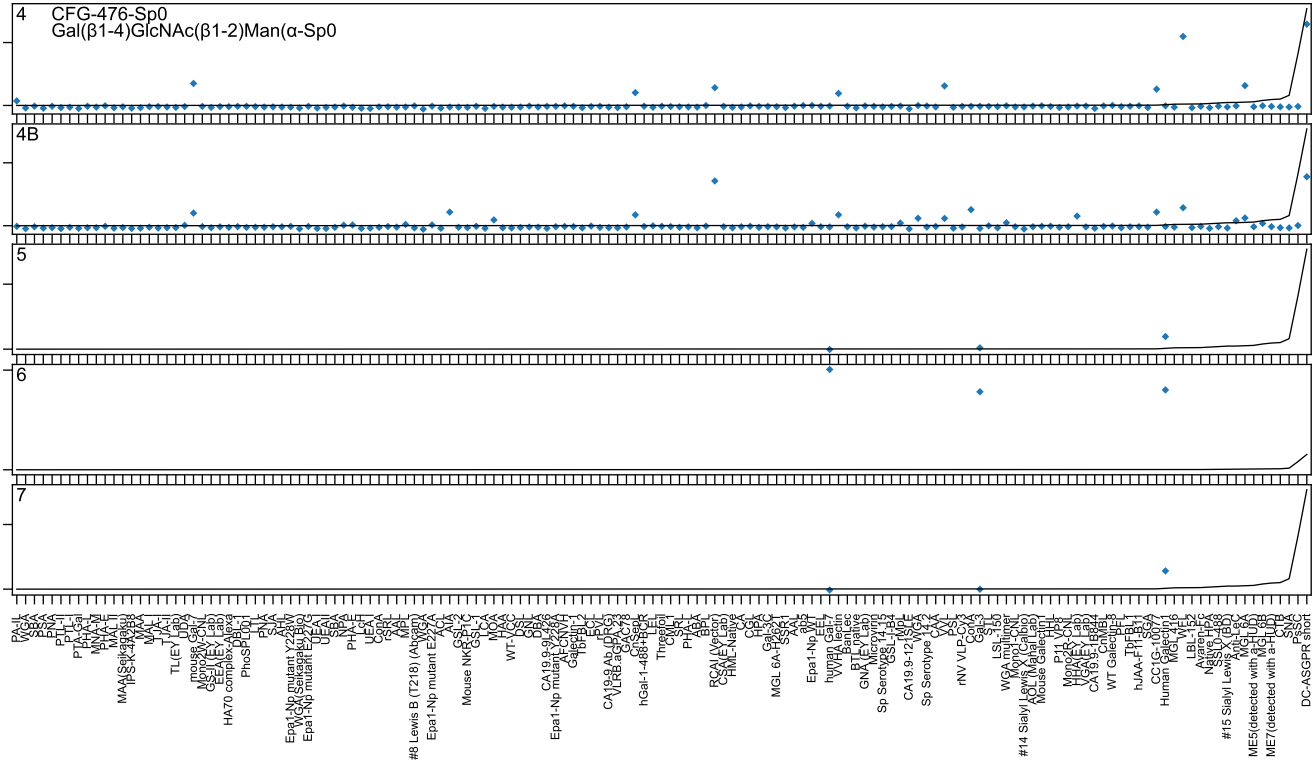

4
CFG-469-Sp0
Gal6OS(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
SSA
AOL (Mahal Lab)
IPS-K-4A
CA19-9-2
CA19-9-1
Bap Lec
HA70 complex-Alexa
ABL
ABA
PAGA
VVLT
UDA
TL(EY Lab)
STL
SSA
PNA
Mono2W-CNI
BPL
EEA(EY Lab)
Epa1-Np mutant
#14 Sialyl Lewis X (BD)
#18 Lewis B (Abcam)
ME7(detected with β-HUD)
ME5(detected with β-HUD)
VGA(EY Lab)
SBA
PHA-L
GNA (EY Lab)
hJAA-F
PHA-E
Mouse NKR-P1C
Mouse Galectin-1
Human Galectin-1
Mono2R-CNI
MGL 6A-H2627
Microvirin
Galectin-7
Sp Serotype 19A
Sp Serotype 14
Sp Serotype 7A
Sp Serotype 7F
Sp Serotype 9V
Sp Serotype 1
Sp Serotype 4
Sp Serotype 6B
Sp Serotype 23F
Sp Serotype 18C
Sp Serotype 19F
Sp Serotype 6A
Sp Serotype 9N
Sp Serotype 14

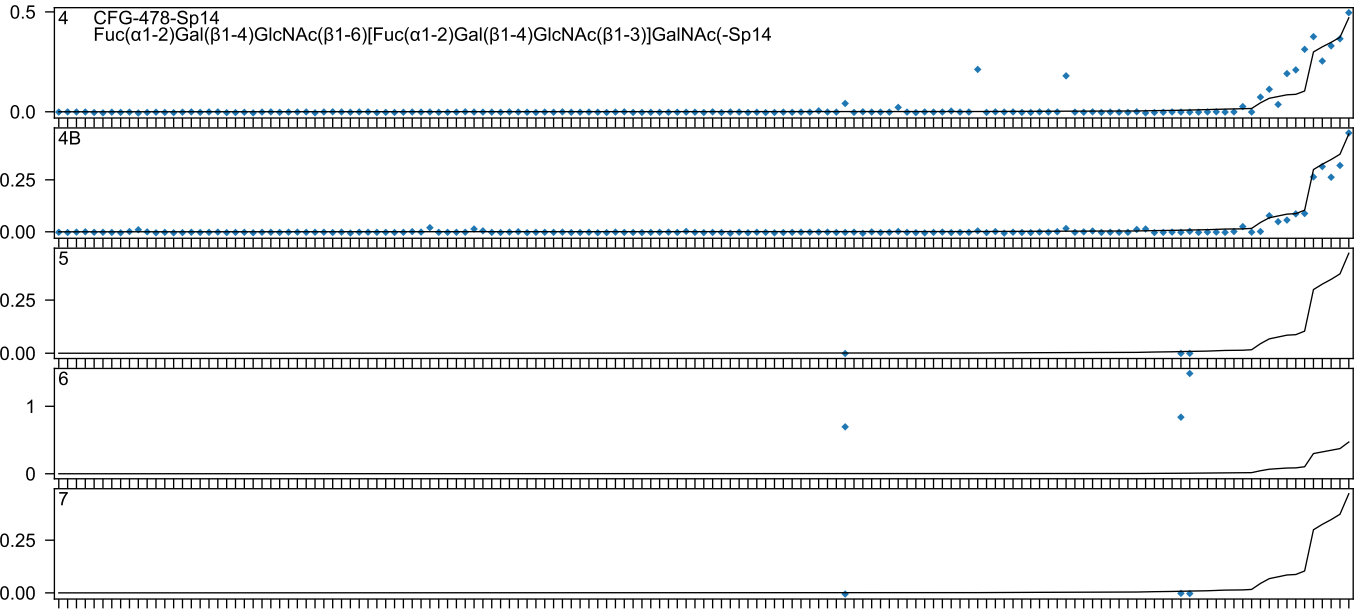
4
CFG-470-Sp0
Gal6OS(β1-3)GlcNAc6OS(-Sp0
4B
5
6
7
0.5
0.0
UEA1
Gal1
human Gal1
Galectin-1
Galectin-3
Bauhinia
WGA mutant
HA70 complex
MGL
Alexa
DBL-1
Avarol
Fc
sSIGN
CA19.9-9L
AAB
WGA(Seikagaku, Bio)
PWM
WF
#14 Sialyl Lewis X (Calbio)
UDA
TL(EY Lab)
TJA-I
SJA
SGA
IPS-K-4A288
Microsphere
#15 Sialyl Lewis X (BD)
#8 Lewis X (Wako)
VCRB aGPA 23
ME7(detected with a-HUD)
ST-HD
LSL-150
ME5(detected with a-HUD)
MNA
MNA-O
Sp Serotype 14 2
VGA(EY Lab)
UEA
SJA
SGA
PNA
PHA-L
PHA-E
HHA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
Sp Serotype 14 12
BSA
PNA
hGal-1-488+DTT
PBL-I
DSL
GSL-I
Gp-A
CAA
Mono1-CNI
AIA
DBA
Thrombo
WGA
WGA
MAL
Mouse Galectin1
Human Galectin1
ECL
PhoSL
LEL
Chitin
HPA
GNL
MALI
NEA
MAA
PAA
MAA(Seikagaku)
PHA-L
LCH
PHA-E
PCA
GSL-I-B4
PTA-Gal
CSA(EY Lab)
PTA-Gal
HPA
HAA
WT Galectin3
SRL
Gal-3B
MGL
Gal-3C
MGL 6A-HOT
CA19.9-21SLE
HML-1
Helix
AFCNYH
BEL
P11
Mouse NKR-P1
WT WGA
CA19.9-BCL
CA19.9-BCL4
AOL (Mahal Lab)
MGL 416
TbEBL2
CA19.9 Ab (DRG)
hJAA(EY Lab)
mouse IgM
Naive HPA
rNV VGA
GalCX8
GOA
GOA
Epa1-Np mutant Y228A
abo
Monoclonal
DC-ASGPR
BTA
TbEBL1
SSA
CCTS-10019
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
Anti-LeC
RCA (Vector)

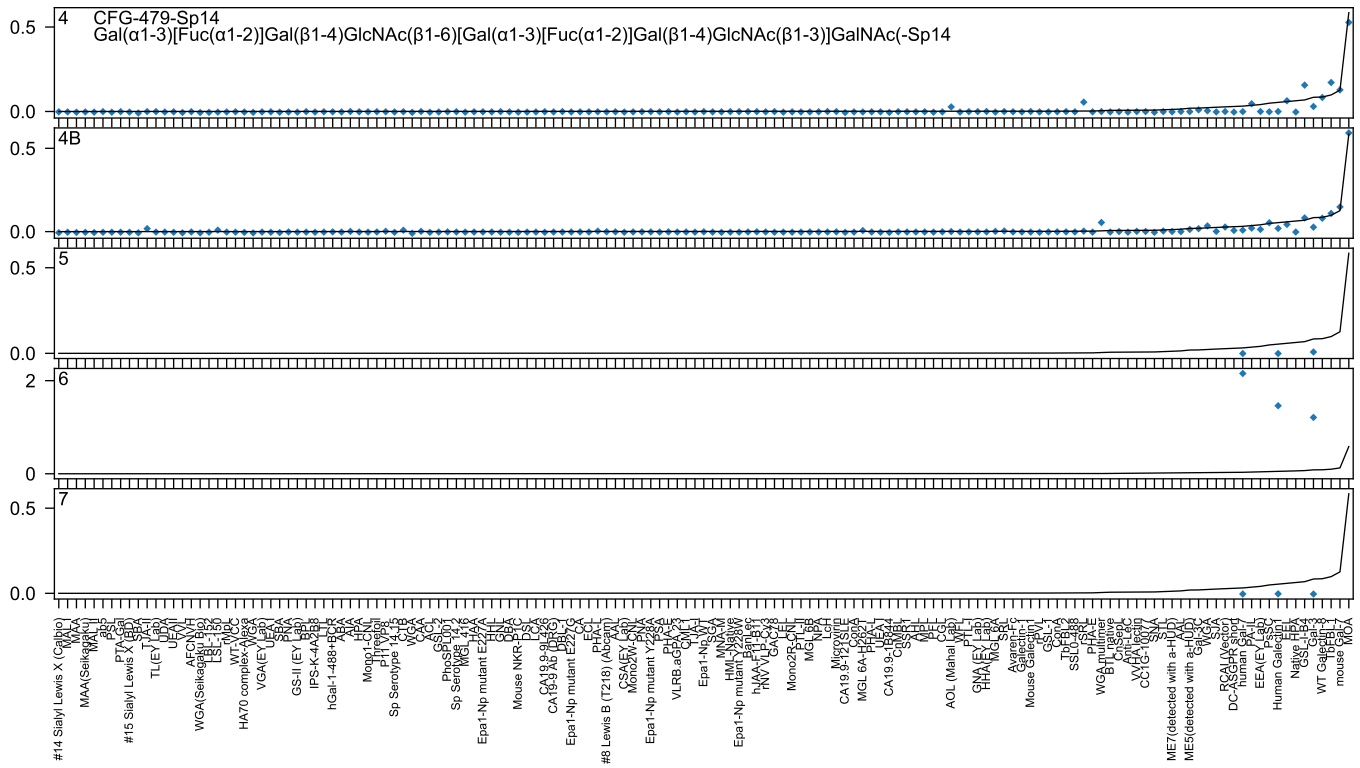

4
CFG-471-Sp12
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-4)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNA
4B
5
6
7
0.5
0.0
2
0
hJAA-F11 B11
BSL
HA70 complex-Alexa
CA19.9-121SYE
AIA
ATA
Threo(c)
WGA
BPL
SSL0 (BD)
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
MOLT-4
PNA
GSL-I-B4
Sp Serotype 14-2
Sp Serotype 14-6
Gal(α1-3)
ATA (Vector)
MGL 6A-H2B2
GAC78
Epa1-Np mutant Y226A
LSL-150
Epa1-Np mutant Y226G
CA19.9-18844
Epa1-Np mutant Y226W
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y226F
Sp Serotype 14-18
Epa1-Np WT
ASC
WFA
P11
CA19-9 Ab (DBG)
Mouse NK cells
SSSRY
WGA multimer
HMA
HML-Native
rNV VLP-C1
PhoSL001
MGL-6B
Epa1-Np mutant Y226A
GSL-2
CA19.9-1426
IPS-K-4/A288
VGA(EY Lab)
WFL
PNA
MAA
MAA(Seikagaku)
AAL
LEL
MGL
GALA
TbFBL-2
PSA
LPA
Native HPA
SBA
GSL-II (EY Lab)
EEA(EY Lab)
DSA
PHA
PWA
MOR
STL
PTL-I
Chosenella
PHL
WGA(Seikagaku)
ABA
ABA
CnA
MOR
CSA(EY Lab)
MVA-N
GNL
LBL-2B2
SBA
Calx3
Microvirus sp(g)
DC-ASGPR sp(g)
RCA-I (Vector)
Mono2R-CKN
Mono1-CKN
WGA
Mono2W-KDA
MAL-II
BTL native
VGA
GNA (EY Lab)
WT-VZV
WT Galectin-8
ConA
Mouse Galectin-1
UEA-I
BanCA
PEL
Avarelin
Ally-LeC
Tachy (EY Lab)
UEA-I
HHA(EY Lab)
human Gal-7
ME7(detected with 2-1)
CCTG-10017
RCAI (Vector)
DBL-1
VVHA (EC)
PTA-Gal
ME5(detected with 2-1)
LAD
Human Galectin-1
SOA
mouse Gal-1
BTL-I
AOL (Marfat Lab)
AAL

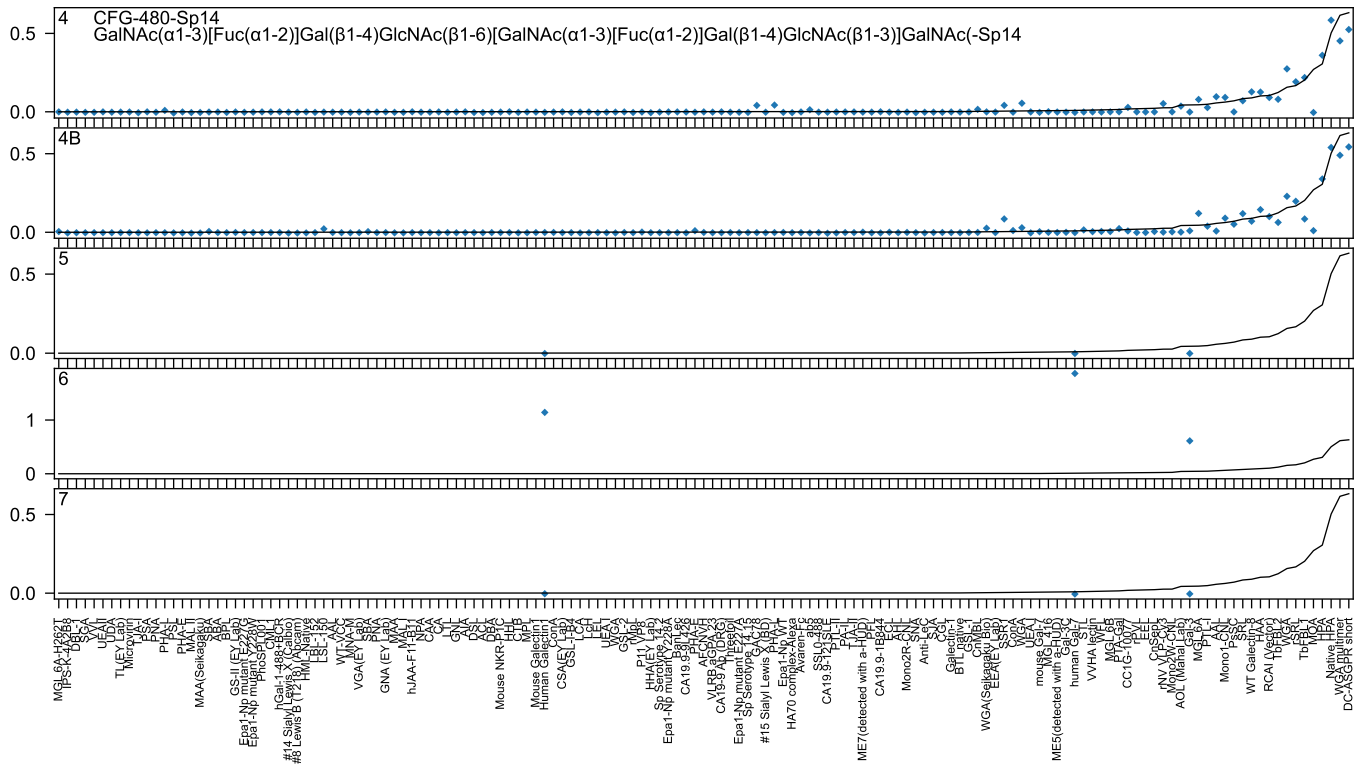

4
CFG-472-Sp12
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-4)[Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)]Man(α1-
4B
5
6
7
0.1
0.0
2
0

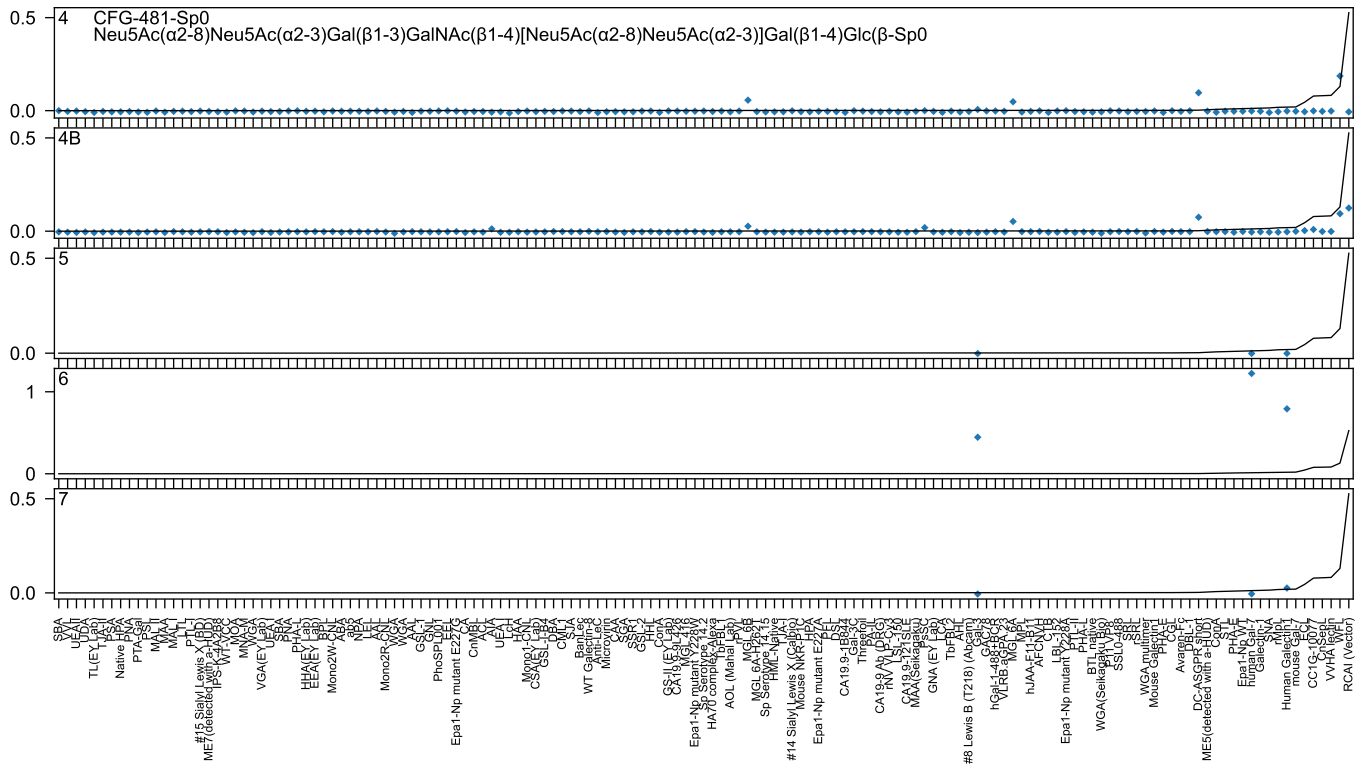

4
CFG-475-Sp14
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)GalNAc(-Sp14
0.5
0.0
4B
0.25
0.00
5
0.2
0.0
6
1
0
7
0.2
0.0
hJAA-F11
B11
EEL
PNA
RAX
MALL
MAA(Seikagaku)
hGal-1-488
PCP
VAA
UEA
UEA1
#15 Sialyl Lewis X (BD)
Bgn Lec
VGA(EY Lab)
CA19.9-Ab
abs
SNA
GSL-I
CAA
PTA
PhoSL (Lab)
Amb HPC
CTA
ALA
GNA (EY Lab)
LTA
#8 Lewis B (T218) (Abcam)
Mouse NKR P1C
LSL-I-59
CA19-9 Ab (DRG)
P1
SBA
Sp Serotype 14-2
Sp Serotype 14-15
Threo-Epi
GS-II (EY Lab)
Epa1-Np mutant E227A
WGA
Gal-1
Gal-1-Lab
GSA(EY Lab)
WGA(Lab)
HMI-Native
HA70
#14 Sialyl Lewis X (Calbiochem)
UEA1
WGA
STL
Microvillin
NPA
WFL
VVL
OCL
PNA
BPL
SBA
PHA-E
PHA-L
RCA
Sp Serotype 14-15
CA19.9-1
SGA
EEA(EY Lab)
GSL-I-B4
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
Gal-1
Gal-3C
Human Galectin-1
SBL
PHA-L
Con A
CBSepl
PHA
STA
CA19.9-121
SLE
VLRB.aGPA.23
WGA(Seikagaku Bio)
ABA
ASA
Asialo-F158
Asialo-F159
MGL RA-H2621
Galectin-1
UEA1
FSA
MVA
WFL
VCA
WGA
MAA
HHA(EY Lab)
MAA
Mono-F1-Lab
Mono-F1-Cos
Mono1-F1
AHL
NPL
PTA
DBA
RCA1 (Vector)
RPS-KVA388
Epa1-Np WT
OVA1
mouse Gal-7
human Gal-7
human Gal-7
TbPBP
TbPBP
Mono2W-CNL
LBL-Cas3
Con A
MAL
Mouse Galectin1
HPA
Native HPA
SNA
WGA multimer
CCL-1007
CCL-1007
ME7(detected with HA lectin)
MGL 416
AAL
BTL native
AOL (Vitalal Lab)
ME5(detected with HA lectin)
TcPBL1
MGL 84
MGL 84
DC-ASGPR short

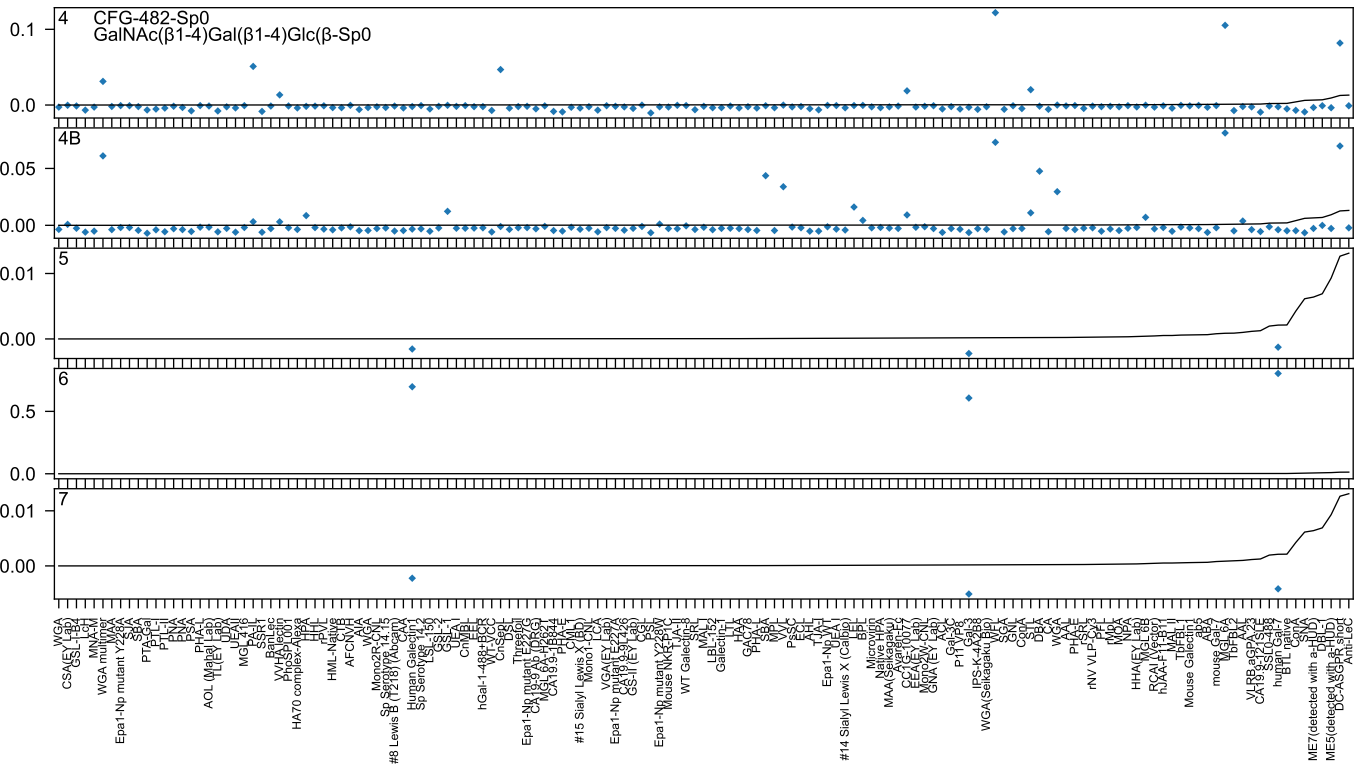

4
CFG-476-Sp0
Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.1
0.0
1
0
PALA
WGA
SSA
SNA
ENA
PTL-I
PTA-Gal
PNA-AT
PNA-T
MAA(Seikagaku)
MAA(Lab)
IPS-K-4X2B8
MAL-I
TJA-I
TL(EY Lab)
GNA
mouse Galectin-4
Mono2Av-CNL
GSL-I-B4
CEA(EY Lab)
HA70 complex-Alexa
DSA
PhoSPDbp
PNA
SJA
ACA
CRA
Epa1-Np mutant Y228W
WGA(Seikagaku Bio)
Epa1-Np mutant Y228A
UEA-I
UEA
NPA
PHA-E
PHA-L
UEA
rSIA
MPA
WT-TCC
CSL
DBA
CA19.9-9226
Epa1-Np mutant Y228A
Ac-CNV1
GalNAc-1
16FBL-1
EUL
CA19.9-Ab(DRG)
VLRB.aCC.c48
GalNAc-1
hGal-1-486-Sepharose
LEL
Thoeolin
CNL
SRL
PHA-E
PHA-L
BPL
RCA(Vector Lab)
CSA(EY Lab)
HML-Native
CSL
HPA
Galectin-1
MGL 6A-Repeat
SSA
SNA
Epa1-Np 8ug
EEL
human Gal-7
Galectin-8
BanLec
PTL-I-Native
GNA(EY Lab)
Microvillin
Sp Serotype 08/1-1-84
CA19.9-12/1-F
WGA
Sp Serotype
CAA
VVL
rNV VLP-C3
CoA3
SLL
LSL-150
WGA mutant
Mono1-CNL
#14 Sialyl Lewis X (Kanto Lab)
Mouse Galectin-1
P11
VHL
Mono2-CNL
VGA(EY Lab)
CA19.9-5084
WT Galectin-8
hJAA-F11-811
TpFBL-1
CC1G-10024
Human Galectin-4
WEL
LBL-2
Arabinan-1
Nature HPA
#15 Sialyl Lewis X (BD)
Xylo-6x
ME5(detected with anti-LUD)
ME7(detected with anti-LUD)
STB
PSSC
DC-ASGPR short

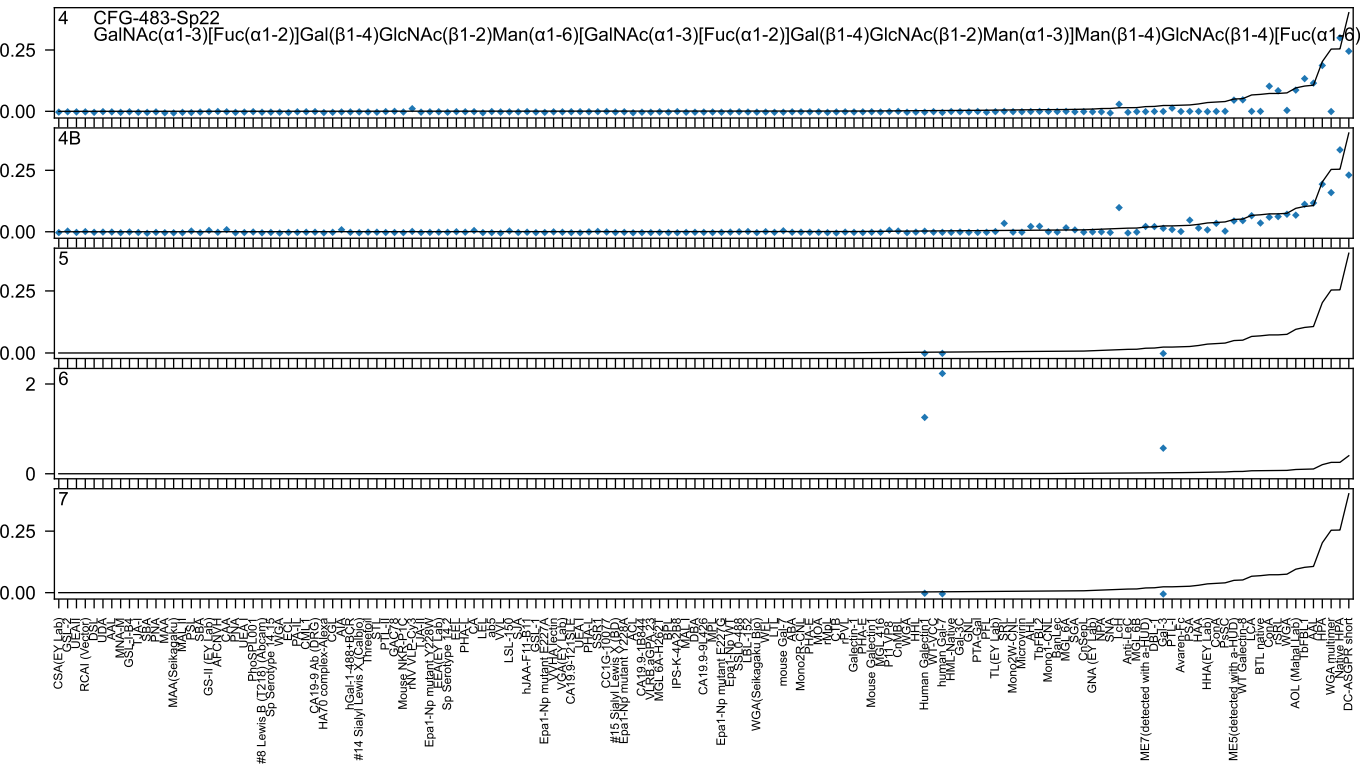

4
CFG-478-Sp14
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)]GalNAc(-Sp14
0.5
0.0
4B
0.25
0.00
5
0.25
0.00
6
1
0
7
0.25
0.00
hJAA-F11-B11
hGal-1-488+BCR
MAL I
MAA
MAL II
CA19.9-1
#14 Sialyl Lewis X (Calbio)
PNA
SBA
AEONV
TL(EY Lab)
PA-IL
MNA-GA
rPA-IL
PNA
GNA(EY Lab)
ECA(EY Lab)
Bpc
Bap1-1A1
GS1-488
CA19.9-1-488
Threo(G)
VIA
CnBP
DSL
GNA
GSL-1
ACL
AVA
CA19.9 Ab (PRO)
#8 Lewis B (T27 (PRO)
PHA-L
Sp Serotype 14
HA20 complex Mexis
Epa1-Np mutant X2289
VLRB.aGPA
ABA
AIL
#15 Sialyl Lewis X (BD)
Mono1-488
GS-I(EY Lab)
VGA(EY Lab)
LBL-182
Chi-A
Sp Serotype 14-2
WT-VCA
Mouse NKR-P1C
Epa1-Np mutant E221G
Epa1-Np mutant E221A
CA19.9-1-488
Mono2R-CnC
PHA-E
HML-Native
Mimotope
Gal-3C
Epa1-Np mutant L151-160
MAA(Seikagaku)
Con A
DBL-1
TKA
Epa1-Np mutant
MGL 6A-H261
CSA(EY Lab)
Gal-3
Native Gal-3
WGA
PNA
PNA-KLH-488
SJA
WT Galectin-8
PHA-E
PFL
Gal-1
LEL
SSL(Lab)
MAL
Avaren-F
Mouse Galectin-1
HHA(EY Lab)
WGA(Seikagaku Bio)
Mono2W-488
CSA
CorA
P11
Yeast
MGL 6B
WGA multimer
MPL
PTA
NPA
Galectin-10
BT-Galectin-4
MGSA
Anti-LEC
CnSec
Human Galectin-1
human Gal-7
TbPBL-2
rsGS
rsGS
EVC
TbPBL-1
mouse Gal-7
ME5(detected with a mAb)
RCA(Vector)
RCA(Vector)
VVHA(Lectin)
PHL-I
DC-ASGPR
BEAT
TbPBL-1
TbPBL
AOL (Marine Lab)
LEA
AAL

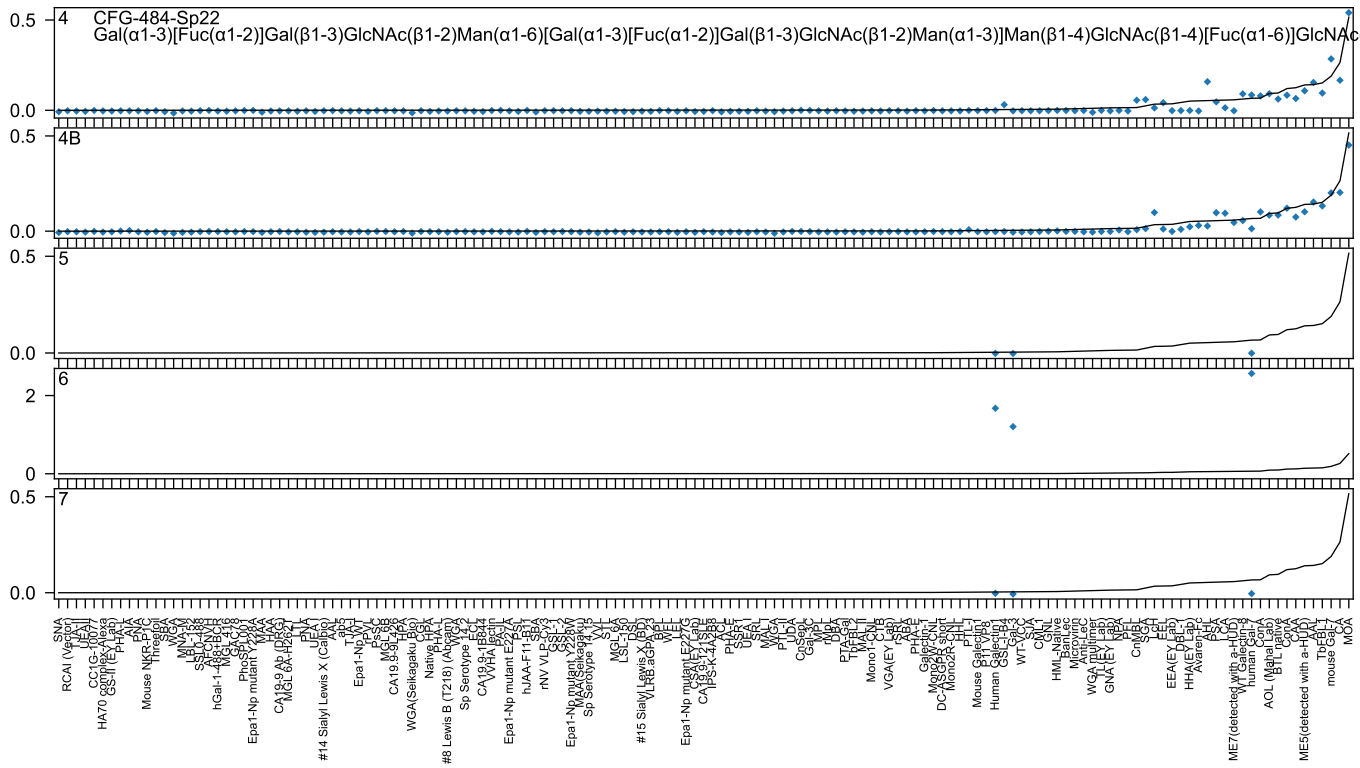

4
CFG-479-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-6)[Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)]GalNAc(-Sp14
4B
5
6
7
0.5
0.0
2
0
#14 Sialyl Lewis X (Calbiochem)
MAA
MAA(Seikagaku)
ABA
ABS
PTA-Gal
#15 Sialyl Lewis X (EY Lab)
TJA-II
TL(EY Lab)
UDA
UEA-I
AFCNVH
WGA(Seikagaku Biobusiness)
LSL-150
WT-VDC
HA70 complex-Alexa
VGA(EY Lab)
UEA-I
PNA
GS-II (EY Lab)
IPS-K-4A2B8
hGal-1-488+PCR
ABA
ABA
LTA
Mono1-CNT
P11 Vibrio
Sp Serotype 14-1B
WGA
ACA
ACA
PSA
PhoSC-1
Sp Serotype 1-42
MGL 1416
Epa1-Np mutant E227A
CSL
Mouse NKR-P1
DBA
DSL
CA19.9-9-LCA
CA19.9 Ab (DRG)
Epa1-Np mutant E227G
CA
PHA-L
#8 Lewis B (T218) (Abcam)
AAL
CSA(EY Lab)
Mono2W-PNA
Epa1-Np mutant Y228A
PHA-E
VLRB.aGPA.23
CWA-1
Epa1-Np 107
HM-M
MNA-M
Epa1-Np mutant Y228W
hAA-Barn 67
hNV VP-P.23
GAC78
Mono2R-CNT
MGL-1 Leb
NPA
Microvirin
CA19.9-121SLE
MGL 6A-H2821
PHA-L
CA19.9-18644
CSSB1
AIL
BEL
CGL
AOL (Mahal WPL)
GNA(EY Lab)
HHA(EY Lab)
MGL 8A
Avaren-F
Avaren-P
Mouse Galectin1
GSL-I
CGHA
SSL1-188
SSL2-188
PSL
WGA multimer
BC-native
Anti-LeC
cCCL6-rec(R&D)
SNA
ME7(detected with a+HUD)
ME5(detected with a+HUD)
Gal-3C
VGA
VGA
RCA(Vector)
DC-ASGPR Sp14
Human Galectin1
EEA(EY Lab)
PsSC
Human Galectin1
Native HPA
GSL-I
Gal-8
WT Galectin-8
mouse Gal-7
MOA

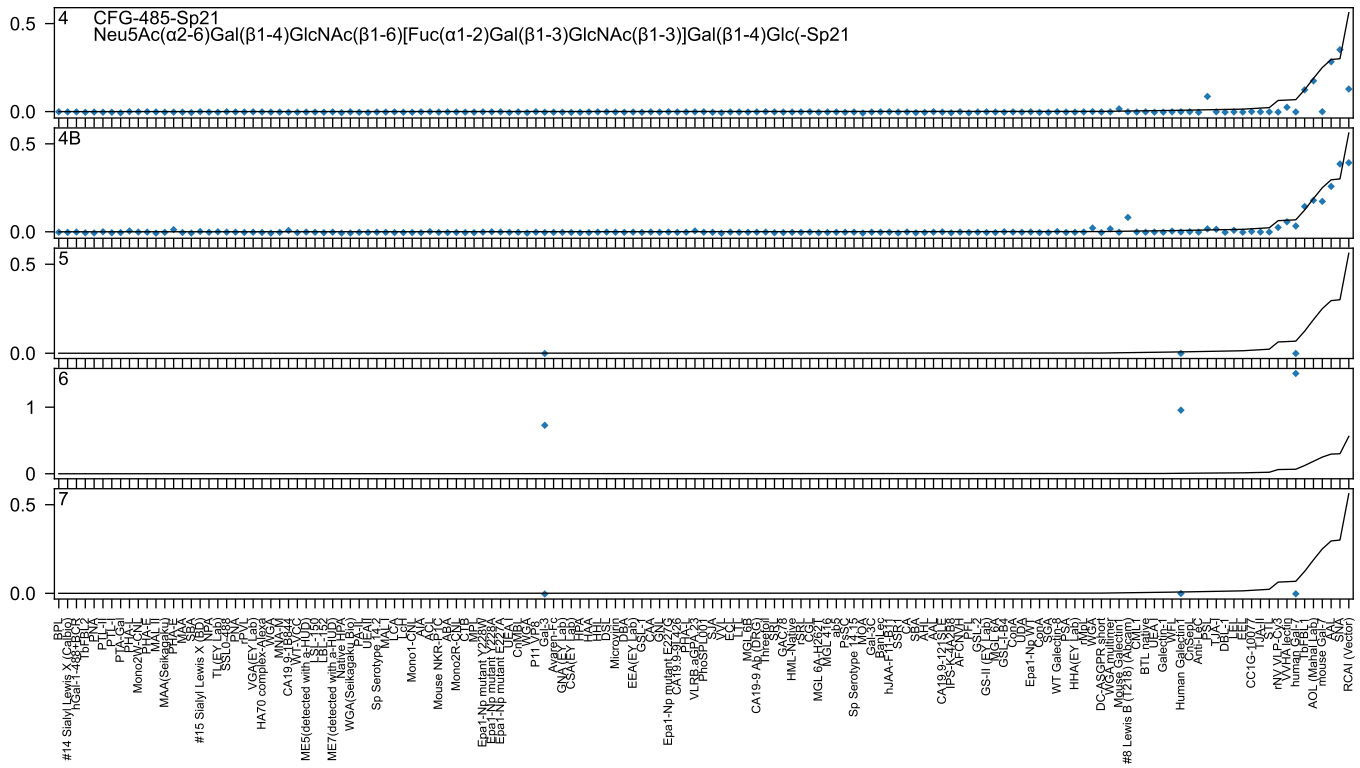

4 CFG-480-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-6)[GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-3)]GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
MGL-6A-H2287
PNA
DBL-1
VVA
UEA
UEA(I)
TL(EY Lab)
Micrococcin
PSA
ASA
PHA-L
PSE
MAL-I
MAA(Seikagaku)
ABA
Bap
GS-II (EY Lab)
Epa1-Np mutant E2279
Epa1-Np mutant Q2201
Phos-Sp(2001)
CaUL
hGal-1-488
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T2 Ab Abcam)
HMA (Abcam)
LBL-1 B2
LSL-A5
WT-VCC
WT-VCC-M
VGA(EY Lab)
VGA-M
SRA
GNA (EY Lab)
MAL-I
MAL-II
hJAA-F11-B1
Vicia
CA
CA-M
GNL
OAA
ACL
ACL-M
Mouse NKR-P1C
BPA
HHL
MPL
Mouse Galectin-1
Human Galectin-1
ConA
CSA
GSL I-B4
LCA
LEL
UEA-I
GSL I-A4
P-11
Vaa
HHA(EY Lab)
Sp Serotype 2-8A
Epa1-Np mutant Q2A
Epa1-Np mutant E2279
CA19.9-Bam156
PHA-E
ACA
ACA-M
VLRB-Alexa
CA19.9 Ab (DRG)
Epa1-Np mutant E2279
Sp Serotype 14-18
#15 Sialyl Lewis X (BD)
Epa1-Np-Alexa
Epa1-Np-FITC
HA70 complex-Alexa
Avarem-FS
SSL-488
SSL-0-488
CA19.9-FITC
PSL-FITC
FA-II
ME7(detected with a-HUD)
CA19.9-1B44
EGL
Mono2R-CNL
SNA
Anti-SOA
SOA
GGL
Galectin-8
BTL (native)
CrvNI
WGA(Seikagaku Bio)
EEA(E. SSR)
GorA
UEA-I
mouse Cat-16
ME5(detected with a-HUD)
human Cat-16
Galectin-7
STL
VVHA (Wel)
MGL-GB
CC1G-1007
EEL
rNV-CrkL
CnSepL
Mono2W-CNL
AOL (Mahal Lab)
MGL-Bap
PNL
ALL
Mono1-CNL
PSL
SRL
WT Galectin-8
RCA I (Vector)
TbpBL2
ISRL
TbpBL1
MOA
HPA
Native Galectin-1
WGA (Lectinner)
DC-ASGPR short

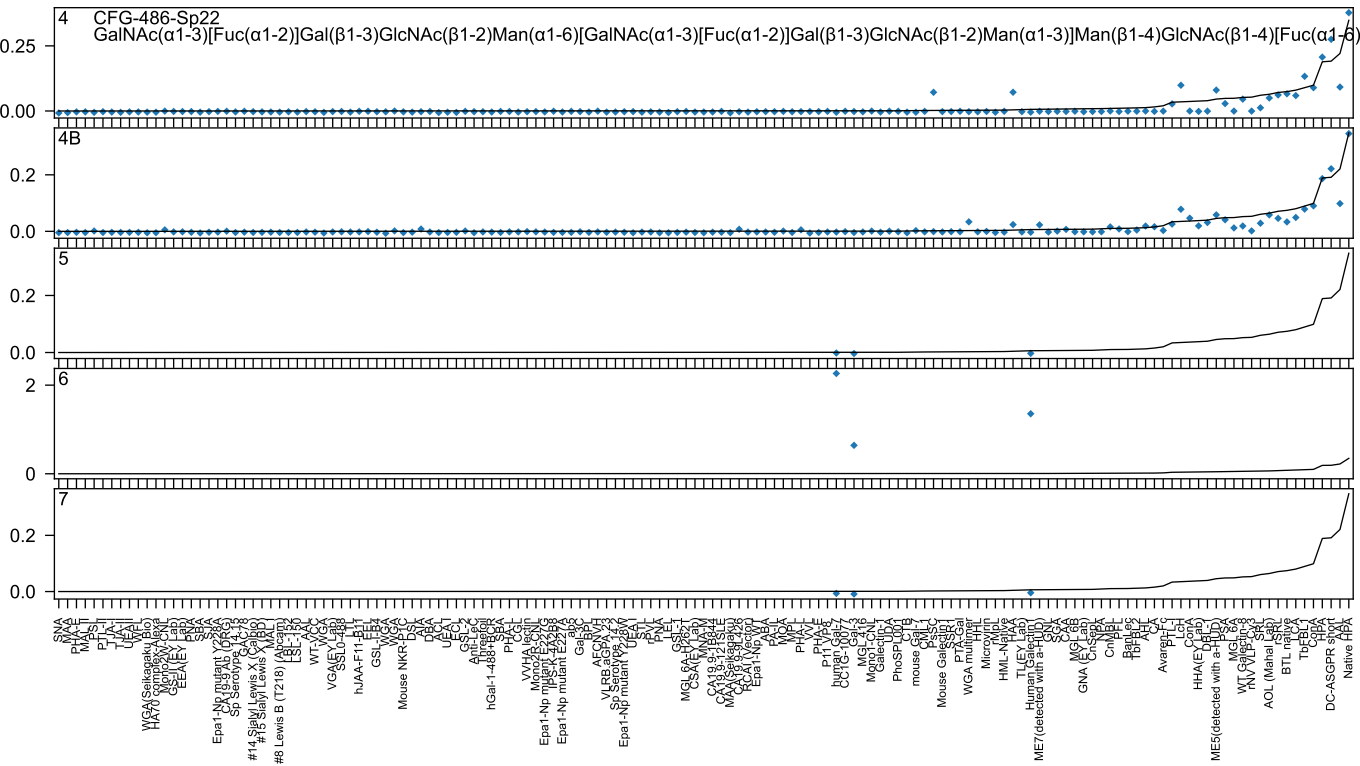

4
CFG-481-Sp0
Neu5Ac(α2-8)Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
SPA
SBA
UEA1
UDA
TL(EY Lab)
TJA-I
Native HPA
PTA
PNA
PSL
MAA
MAL I
PTL I
#15 Sialyl Lewis x (IBD)
ME7(detected with a-PUD)
PS-K-4-288
WT-MOX
MNA-M
VGA(EY Lab)
UEA
PNA
PRA
HHA(EY Lab)
EEA(EY Lab)
Mono2W-CNL
ABA
NPA
AIL
Mono2R-CNL
WGA
ACA
AAL
GNL
PhoSPL-DDI
Epa1-Np mutant E227G
CnMBA
ACL
UEA1
LCA
Mono1-CNL
CSA
GSL I Lab
DBA
OAA
STA
Ban-Lec
WT Galectin-LecC
Microvirin
SSA
SGA
GSL-3
HHL
Lab
GS-II (EY Lab)
CA19.9-Cal-428
Epa1-Np mutant Y228W
Sp Serotype 14.2
HA(Vaccine Prep)
TbPBL
AOL (Mahal Lab)
MGL-68
MGL-66
Sp Serotype 14.15
HML-Native
#14 Sialyl Lewis X (Gabius)
Mouse NKR-P1
HPA
Epa1-Np mutant E227A
DSL
CA19.9-1B84
Thrombol
CA19.9 Ab (PRO)
INV VL P-Cx3
CA19.9-1-1sLE
MAA(Seikagaku)
GNA (EY Lab)
TbFBP
AHL
#8 Lewis B (T218) (Abcam)
GAL8
hGal1-148-GAL8
VLRB-aGPA-23
MGL-68
hJAA-F11-B11
AFCYTE
LRL-182
Epa1-Np mutant p4-6A
PHA-L
BTL (Lab)
WGA(Seikagaku)
SSL1-VLRB
SSL1-148
SBL
ISHL
WGA multimer
Mouse Galectin1
PIGF
OGE
Avarol
BLF
DC-ASGPR short
ME5(detected with a-PUD)
STL
PNA-WT
Epa1-Np WT
human Gal-7
Galectin-7
SNA
MPL
Human Galectin-7
mouse Gal-7
CC1G-10077
CnSepL
VVHA (Wyl)
RCAI (Vector)

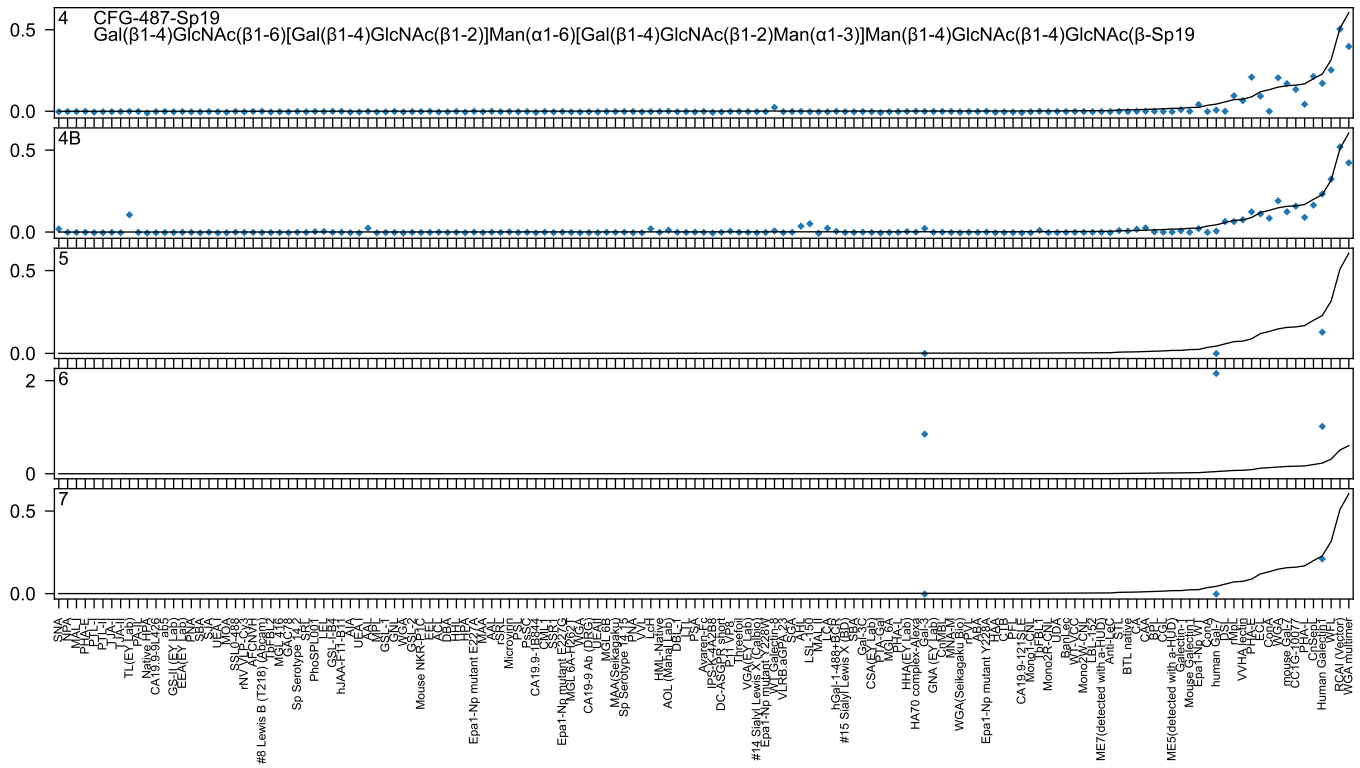

4
CFG-482-Sp0
GalNAc(β1-4)Gal(β1-4)Glc(β-Sp0
0.1
0.0
4B
0.05
0.00
5
0.01
0.00
6
0.5
0.0
7
0.01
0.00
WGA
CSA(EY Lab)
GSL-I-B4
MNA-M
WGA mutant
Epa1-Np mutant Y226A
SSA
PTA-Gal
PTL-I
PNA
DBA
PSA
PHA-L
AOL (Maty Lab)
LTL(EY Lab)
UEA-I
MGL-1 16
SSA-I
Ban Lec
VVH(EY Lab)
PhoSP-C001
HA70 complex-Alexa
LTA
HHL
HML-Native
KVB
AFCV
AIA
WGA
Mono2R-1 4 15
Sp Serotype 14
#8 Lewis B (T2218)(Acetany
Human Galectin1
Sp Serotype 15
Sp Serotype 156
GSL-2
UEA-I
CNBP
hGal-1-488+BCR
OnSeC
DSL
Epa1-Np mutant E2270
Thy1(CD90)
CA19.9 (Lewis a)
MUC1
CA19.9-1B844
CA125
#15 Sialyl Lewis X (Bio)
Mono1
LCA
Epa1-Np mutant Y226A
VGA(EY Lab)
CA19.9-G7426
GSL-II (EY Lab)
PSA
Epa1-Np mutant Y226V
Mouse NK-92
WT Galectin
SRL
LJA-II
LAMP-2
Galectin-1
HAA
GAC78
PAA
SBA
VVL
PsaC
ECL
ACL
Epa1-Np
UAA
#14 Sialyl Lewis X (Calbio)
UEA-I
BPL
Microvilli
Nature
MAA(Seikagaku)
CC1(Biolegend)
EEA(EY Lab)
MAL(EY Lab)
GNA(EY Lab)
ACL
Gal-7
P11 Type
IPS-K-4C8
WGA(Seikagaku,Bio)
SGA
GNL
CSL
CNA
DBA
WGA
PHA-E
rNV VLP-SRS
PPL
NPA
MGL
HHA(EY Lab)
RCA I (Vector)
hAAA-F
MAL II
TIP-BL1
Mouse Galectin-1
ab5
mouse Gal-9
GNA
WGA-GA
TBP-BAC
VLRB.a3PA-23
CA19.9-G7426
SSA-G1488
human Gal-7
BTL
Cerna
ME7(detected with a-PrP)
DRL(1)
ME5(detected with a-PrP)
DRL(2)
DBA-488+BCR
Anti-LeC

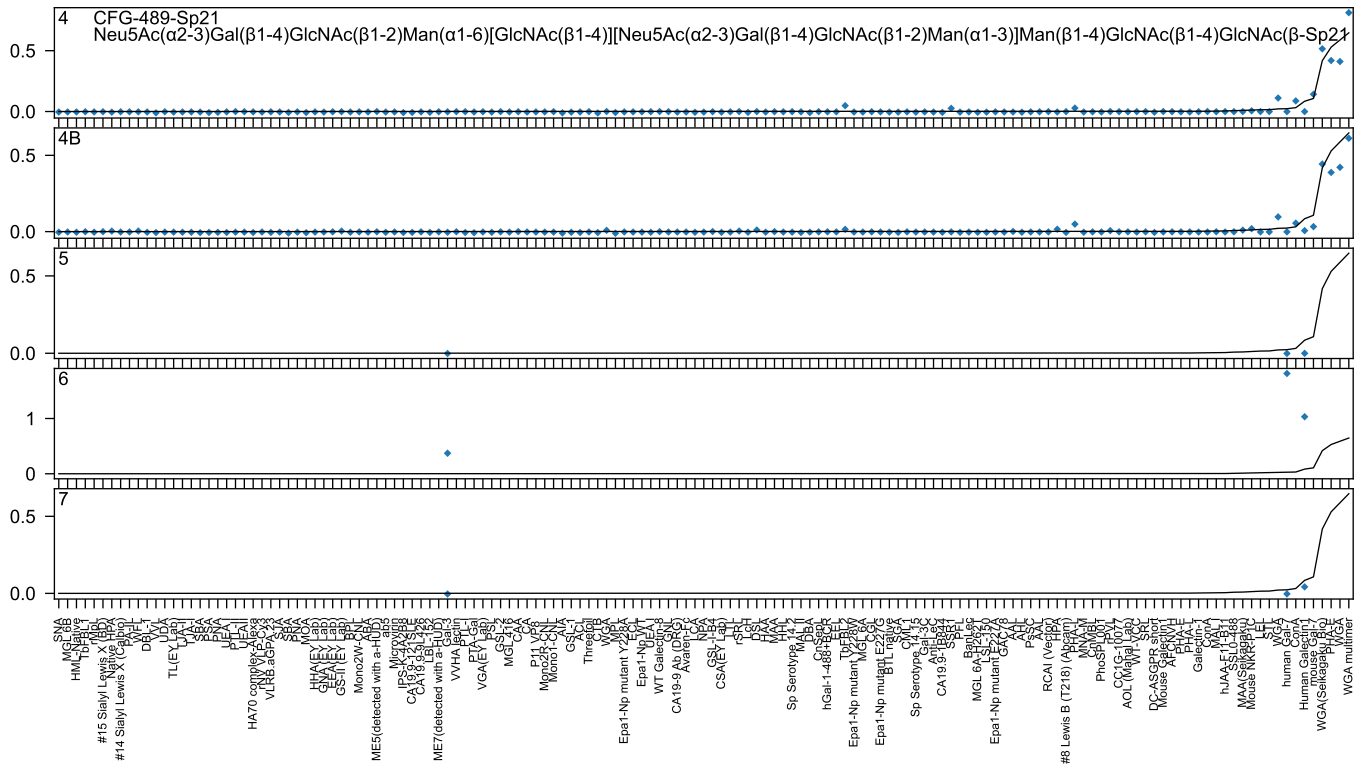

4
CFG-483-Sp22
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6
4B
5
6
7
0.25
0.00
2
0
CSA(EY Lab)
UEAI
RCAI (Vector)
UDA
MNA-M
GSL-I-B4
LCA
SBA
MAA
MAA(Seikagaku)
PSL
SBA
GS-II (EY Lab)
AFA(Vector)
PNA
BPA
PhoSL (EY Lab)
#8 Lewis B (TZ218) (Abcam)
Sp Serotype 14-13
WGA
ECL
CAA
CAA-T
CA19-9 Ab (ORG)
HA/0 complex-Neat
AAL
#14 Sialyl Lewis X (Calbio)
hGal-1 498+
Threshold
PTL-II
PTL-I
Mouse NK cell
rNV VLP Cx3
Epa1-Np mutant Y228W
EEA (EY Lab)
Sp Serotype 7
EEL
PHA-E
PHA-L
LEL
WS
LSL-150
hJAA-F11-B17
Epa1-Np mutant E227A
Galectin-7
VVA(Vector)
Epa1-Np mutant Y228A
CA19-9-TZ-11-B1
PNA(EY Lab)
SSA
SSB1
CCL6-10B7
#15 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y228A
CA19-9-1B4
CA19-9-TZ-23
VRA-aGP-23
MGL 6A-H-B7
IPS-K-40-B8
CA19-9-4A8
Epa1-Np mutant E227G
Epa1-Np mutant Y228F
LBL-152
WGA(Seikagaku)
VFL
mouse Gal-1
ABA
Mono2B-CNL
MOA
rcDB
PVL
Galectin-1
PHA-E
Mouse Galectin-1
p11 YB
CWA
HHL
Human Galectin-1
WFA
human Gal-7
HML
Gal-3C
PTA
GNL
TL(EY Lab)
PHL
Monoclonal
Microcystin
AIL
Tu-BNL
Mono-CNL
BanLec
MGA
GNA (EY Lab)
NPA
SNA
Anti-LeC
MEL(DLD)
DBL-1
PAL-1
Avarep-EE
HAA
HHA(EY Lab)
Conn
PSSC
ME5(detected with anti-Gal-1)
WGA
BTL lectin
LCA
VSA
VSSA
AOL (Maha Lab)
Tbr-B1
HPA
WGA multivalent
Native HPA
DC-ASGPR short

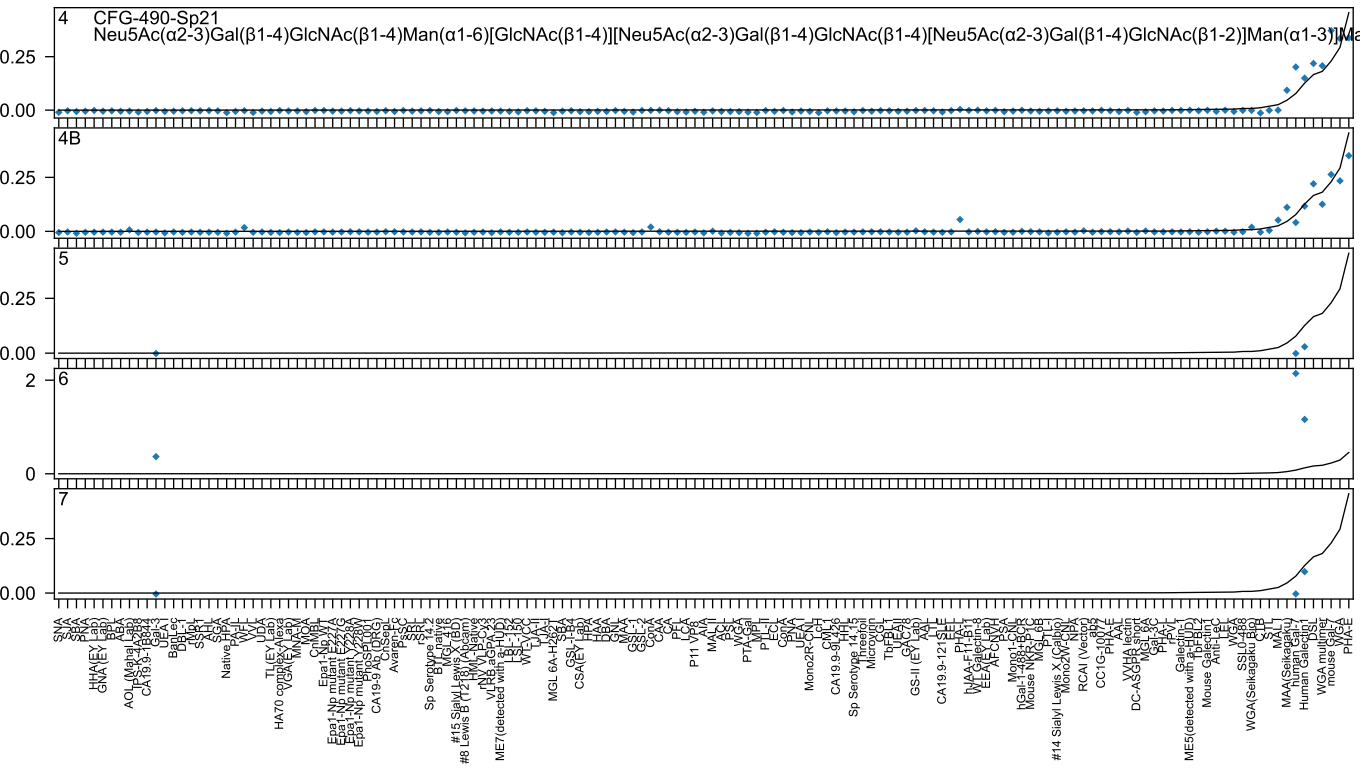

4
CFG-484-Sp22
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc
4B
5
6
7
0.5
0.0
2
0
SNA
RCAI (Vector)
PNA
CC1G-10077
HA70 control-Alexa
GSII (EY Lab)
PHA(L)
AIA
Mouse NKR-P1C
Thrombin
WGA
MVL
LBL-189
SSL-7
hGal-1-488+BCR
MGL-108
MGL-618
PhoSL-001
Epa1-Np mutant Y128A
KIRA
CA19.9 Ab (DSHB)
MGL 6A H2G7
PNA
UEA
#14 Sialyl Lewis X (Calbiochem)
Ace
abs
Epa1-Np WT
TJA-I
PSA
MGL-88
CA19.9-Lea
WGA(Seikagaku, Bio)
HPA
Native HPA
PHA-L
#8 Lewis B (T218) (Acetyl)
WGA
Sp Serotype 14
Sp Serotype 1
CA19.9-LB44
VVHA
Epa1-Np mutant E227A
hJAA-F11-B1
rNV VLP SP3
SBA
GSL-I
Epa1-Np mutant Y128W
MAA(Seikagaku)
Sp Serotype 19F
SJA
STL
MGL-150
LSL-150
#15 Sialyl Lewis X (BD)
VLRB.aGPA
23
RCA
PEL
Epa1-Np mutant E227L
CA19.9-LB44
CA19.9-LB44
MSK-CA19.9
ACL
PNGR
UEA
MAL-I
PWM
PCA
UDA
Gal-1
Galectin-1
MPL
OAA
PTA-Gal
TTA-Gal
MAL II
Mono1-CNL
VGA(EY Lab)
ABA
SBA
PHA-E
Gal-7
Galectin-7
Mono2-CNL
DC-ASGPR short
Mono2R-CNL
HHL
Mouse Galectin-1
B11 VP8
Human Galectin-1
Gal-3
WT-Gal-3
SVA
CVN
CNL
HML
Naive
Bau Lec
MPA
Mono1
Ani Lec
WGA (EY Lab)
GNA (EY Lab)
PEL
Cnl
SSA
LCA
LCH
EEA(EY Lab)
HHA(EY Lab)
Avaren-Lec
ECL
ME7(detected with a-HUD)
Human Galectin-9
human Gal-7
AOL (Mahal Lab)
BTL
Native
COA
ME5(detected with a-HUD)
TcBL-1
mouse Gal-7
MOA

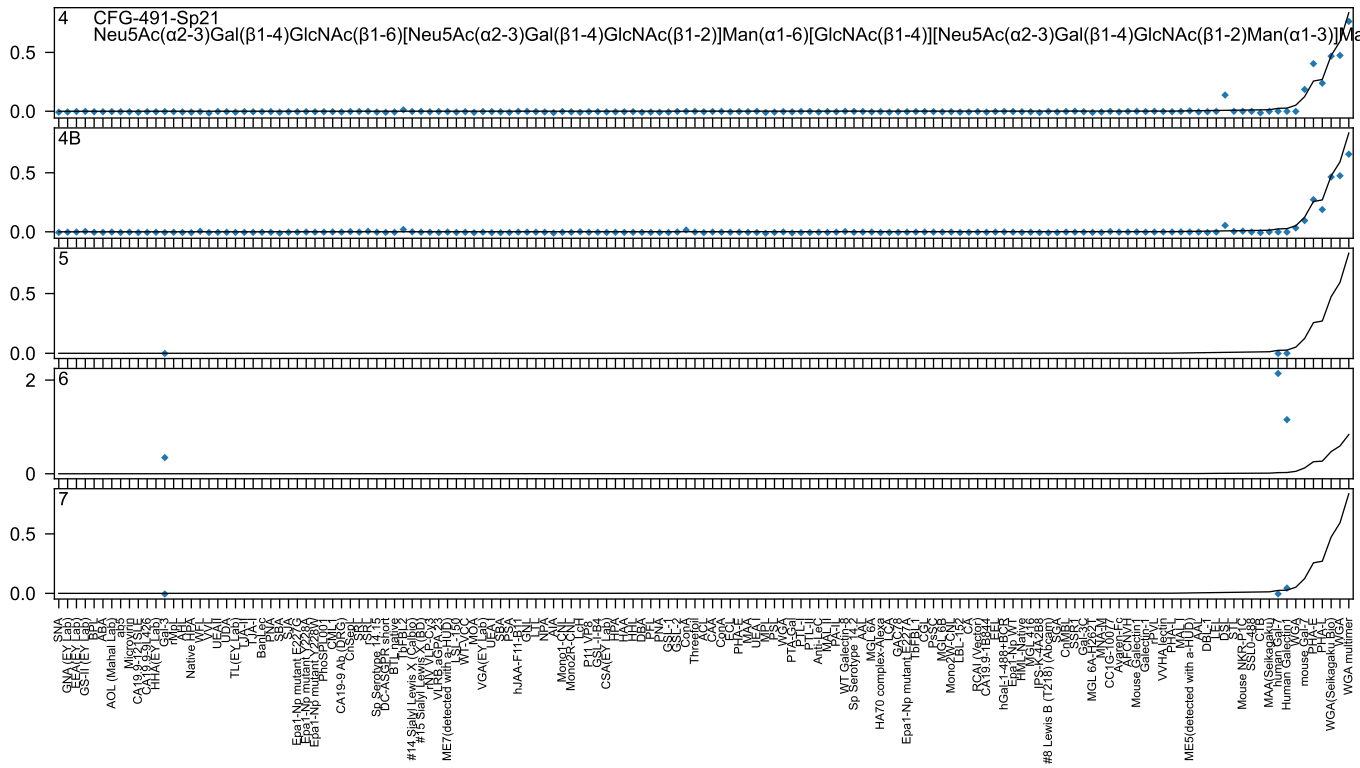

4
CFG-485-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
#14 Sialyl Lewis X (Calbio)
hGal-1-488-Sp8
Tn-PAA
PNA
PTL-I
PTA-Gal
PTA-ANL
Mono2-PNA
PNA-FITC
MAA(Seikagaku)
MAA(Lectin Tech)
PNA-FITC
#15 Sialyl Lewis X (Calbio)
SBA
WGA
SSL0-PAA
TL(EY Lab)
PAA
PVL
VGA(EY Lab)
HA70 complex-Alexa
MVGA
CA19-9-18844
ME5(detected with WT-HUD)
LSL-1-PE
ME7(detected with LS-HUD)
WGA(Seikagaku)
Native HPA
LS-1-PE
Sp Serotype
UEA1
MAL1
LCA
Mono1-CNL
ACL
Mouse NKR-P1C
ACA
Mono2R-CNL
MPA
Epa1-Np mutant Y228W
Epa1-Np mutant E229A
Epa1-Np mutant E229A
CWA
OSA
WGA
P11 Gal8
Avaren-Fc
GNA(EY Lab)
CSA(EY Lab)
HPA
HHA
DSL
Microvirin
DBA
EEA(EY Lab)
SNA
CAA
Epa1-Np mutant E229Q
CA19.9-SF428
VLRB.aGPA.23
PhoSP-LOV1
VVL
ECL
MGL-6B
CA19-9 Antibody
Threelol
SGL
GAL
HML-Native
SSL
MGL 6A-H2271
MGL-1-6B
PsaS2
Sp Serotype
MOA
Gal-3C
Galectin-6
hJAA-F11-B11
SSDEA
SBA
AAL
CA19.9-121SLE
HSA
AFCNOH
GSL-2
GS-II (EY Lab)
GSL-B4
CorA
Epa1-Np WT
SCRA
WT Galectin-8
HHA(EY Lab)
MGL
DC-ASGPR short
WGA(multimer
Mouse B (TP218) (Acam)
#8 Lewis B (TP218) (Acam)
BTL (Calbio)
UEA1
Galectin-1
WFL
Human Galectin1
Anti-FaeC
TJA-I
TJA-II
DBL-1
EEL
CC1G-10077
TSL
STL
nN VHLP-Cy3
human Galectin-7
human Gal-7
AOL (Marbiol Lab)
mouse Gal-7
SNA
RCAI (Vector)

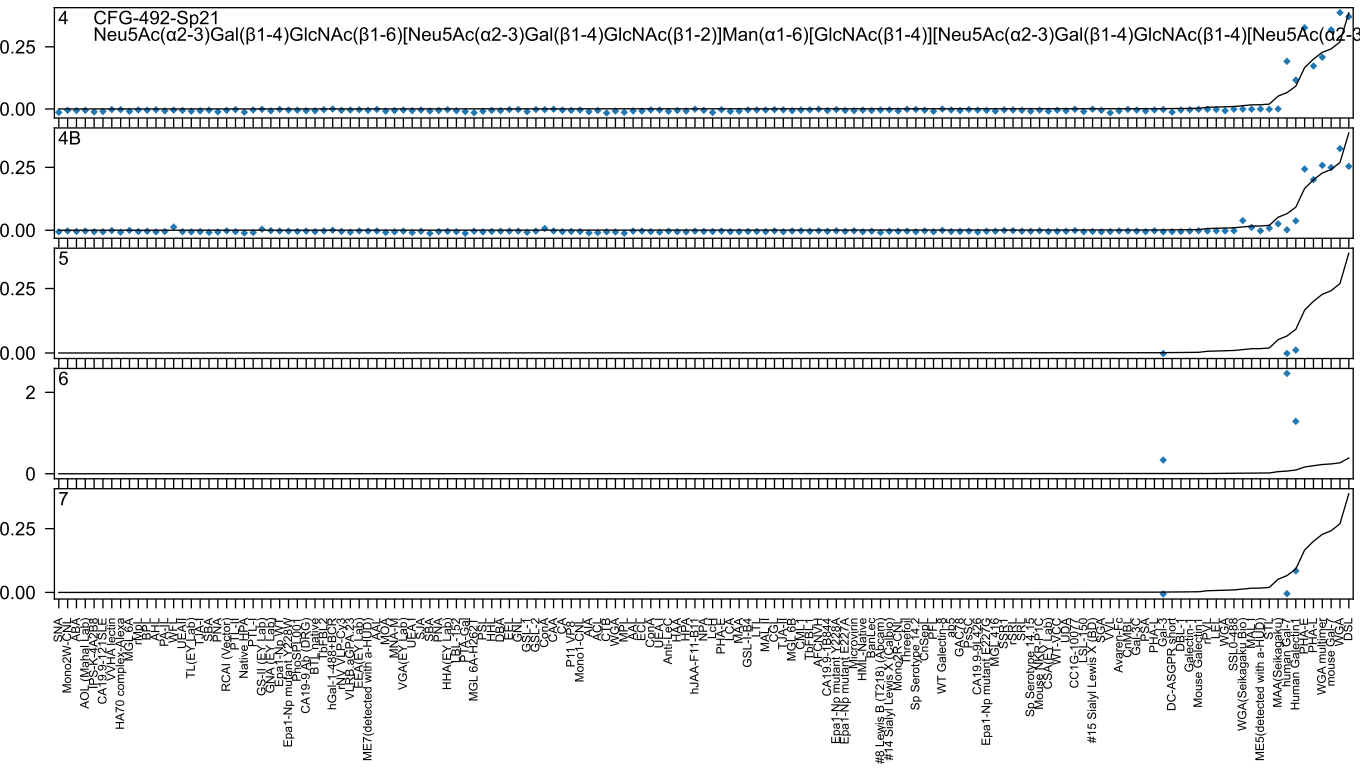

4
CFG-486-Sp22
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)
0.25
0.00
4B
0.2
0.0
5
0.2
0.0
6
2
0
7
0.2
0.0
SNA
SNA-I
PHA-E
MAL
PSL
PTL-I
TJA-I
UEA-I
LCA
WGA(Seikagaku Bio)
HA(Kongakuren)
GSL-I(EY Lab)
EEA(EY Lab)
RCA
SBA
STA
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
SC-Sialyl Lewis X (BD)
#14 Sialyl Lewis X (CarboTech)
#15 Sialyl Lewis X (BD)
#8 Lewis B (T218) (BD)
MAL I
PNA
LBL-182
LBL-183
LSL-180
WT-XCK
SSL0-488
VGA(EY Lab)
SSL0-488
hJAA-F11-B11
EEL
GSL-I-B4
WGA
Mouse NKR-P1C
DSL
DBA
UEA-I
ECL
GSL-I-A4
Agrocybe cylindracea
hGal-1-488+Thiodiglycol
SGA
PHA-L
VVHA(Tech)
Monoclonal
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
Epa1-Np mutant E227A
Gal-8C
Gal-8N
AFGNV
VLRB.aGPA.23
SsCEL
Epa1-Np mutant Y228W
UEA-I
PVL
PNA
GSL-I
MGL-6A (EY Lab)
CSA(EY Lab)
CA19.9 MAb
CA19.9 121SLE
CA19.9 121SLE
MAGE-1 peptide
RCA(Vector)
Epa1-Np
ABA
PAL
MPL
PHA-L
PHA-E
PTL-II
human Gal-7
CCTG-10077
MGL-418
Mouse Gal-1
Galectin-1
UDA
PhoSPC109
mouse Gal-7
PNA
PsaC
Mouse Galectin-1
PTA-Gal
WGA multimer
Microvirin
HML-native
TL(EY Lab)
Human Galectin-1
ME7(detected with a-PG10)
SGA
CFG-486
MGL-486
GNA (EY Lab)
CNA35
CnMBL
Banlec
TBR-RIT
Avarol
CA
Avarol-FITC
LCI
Cyanovirin
HHA(EY Lab)
ME5(detected with a-PG10)
PSA
MGL-6
WT Galectin-8
rNV(TB Sx3)
AOL (Mahal Lab)
rSRL
BTL mutant
TEA
TcBLA
HPA
DC-ASGPR
SAA
Native HPA

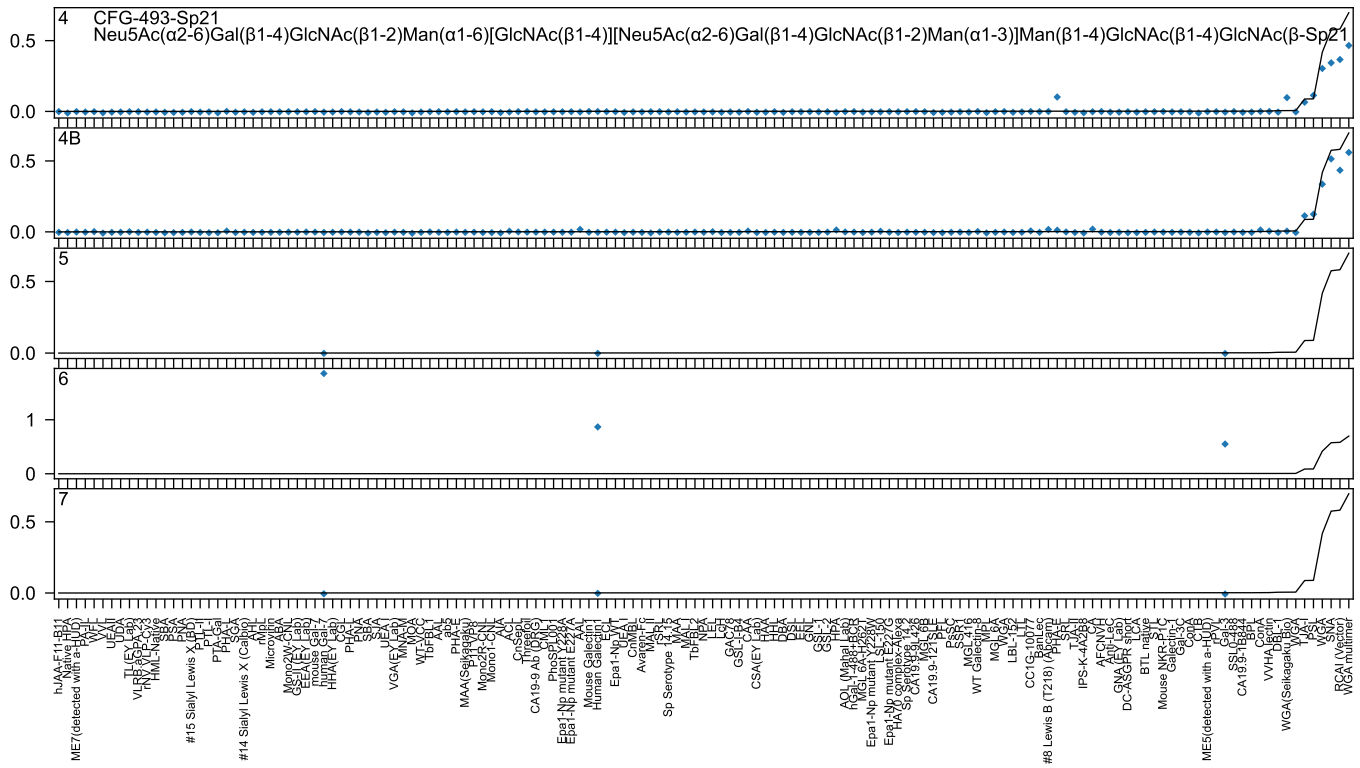

4
CFG-487-Sp19
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp19
4B
5
6
7
0.5
0.0
2
0
SNA
SNA
MAL-I
PHA-E
PHA-L
PTL-I
TJA-I
TJA-II
TL(EY Lab)
PNA
Naive PPA
CA19.9-Lectin
ACG
GSL-I(EY Lab)
EEA(EY Lab)
RCA
SBA
SJA
UEA-I
SSL-1
SSL-2
rNV VP1-K93
rNV VP1-K93
#8 Lewis B (T218)(Acram)
MOR-B12
MOR-B12
GAC-C78
GAC-C78
Sp Serotype 4-12
Sp Serotype 4-12
PhoSP-L001
GSL-I-B4
hJAA-F11-B11
UEA-I
ANA
ANA
GSL-I
VGA
VGA
GSL-I-B4
Mouse NKR-P1
EEL
ACG
ACG
HPA
HPA
Epa1-Np mutant E225A
MAA
MAA
sSL
sSL
Microvigin
PsaC
CA19.9 (BB44)
SSA
SSA
Epa1-Np mutant E225G
Epa1-Np mutant E225G
MGA
MGA
CA19-9 Ab (DEAE)
MGL-B5
MGL-B5
MAA(Seikagaku Bio)
MAA(Seikagaku Bio)
Sp Serotype 4-12
Sp Serotype 4-12
EVA
EVA
LCH
LCH
HIML-Neuraminidase
AOL (Marbiglen)
DBL-I
DBL-I
PSA
PSA
Avarrhoe
IPS-2
IPS-2
DC-ASGPR ligand
DC-ASGPR ligand
Tulareviolin
Tulareviolin
VGA(EY Lab)
#14 Sialyl Lewis X (BD)
Epa1-Np mutant V228W
Epa1-Np mutant V228W
VVL-Galectin-3
VLRB.aGPC.3
SJA
SJA
LSL-1
LSL-1
MAL-II
MAL-II
hGal-1-488+BCR
#15 Sialyl Lewis X (BD)
Gal-3C
Gal-3C
CSA(EY Lab)
EY Lab
MGL-B4
MGL-B4
HHA(EY Lab)
HHA(EY Lab)
HA70 complex-Alexa
GNA (EY Lab)
GNA (EY Lab)
KM-MAL
WGA(Seikagaku Bio)
WGA(Seikagaku Bio)
ABA
ABA
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
CGB
CGB
CA19.9-121
BJF
BJF
CA19.9-121
Mono1-CNE
Mono1-CNE
Mono2-PBL
Mono2-PBL
UDA
UDA
Barley
Barley
WGA
WGA
Mono2-CNE
Mono2-CNE
ME7(detected with a-HUD)
ME7(detected with a-HUD)
Anti-Lac
Anti-Lac
BTL native
BTL native
CAA
CAA
BPL
BPL
ME5(detected with a-HUD)
ME5(detected with a-HUD)
Galectin-1
Mouse Galectin-1
Epa1-Np WT
Epa1-Np WT
human Galectin-1
human Galectin-1
Gal-4
Gal-4
DSL
DSL
lectin
lectin
VVHA
VVHA
PHA-E
PHA-E
CGA
CGA
WGA
WGA
mouse Galectin-1
mouse Galectin-1
CCTG-10077
CCTG-10077
PHA-L
PHA-L
Human Galectin-1
Human Galectin-1
RCA I (Vector)
RCA I (Vector)
WGA multimer
WGA multimer

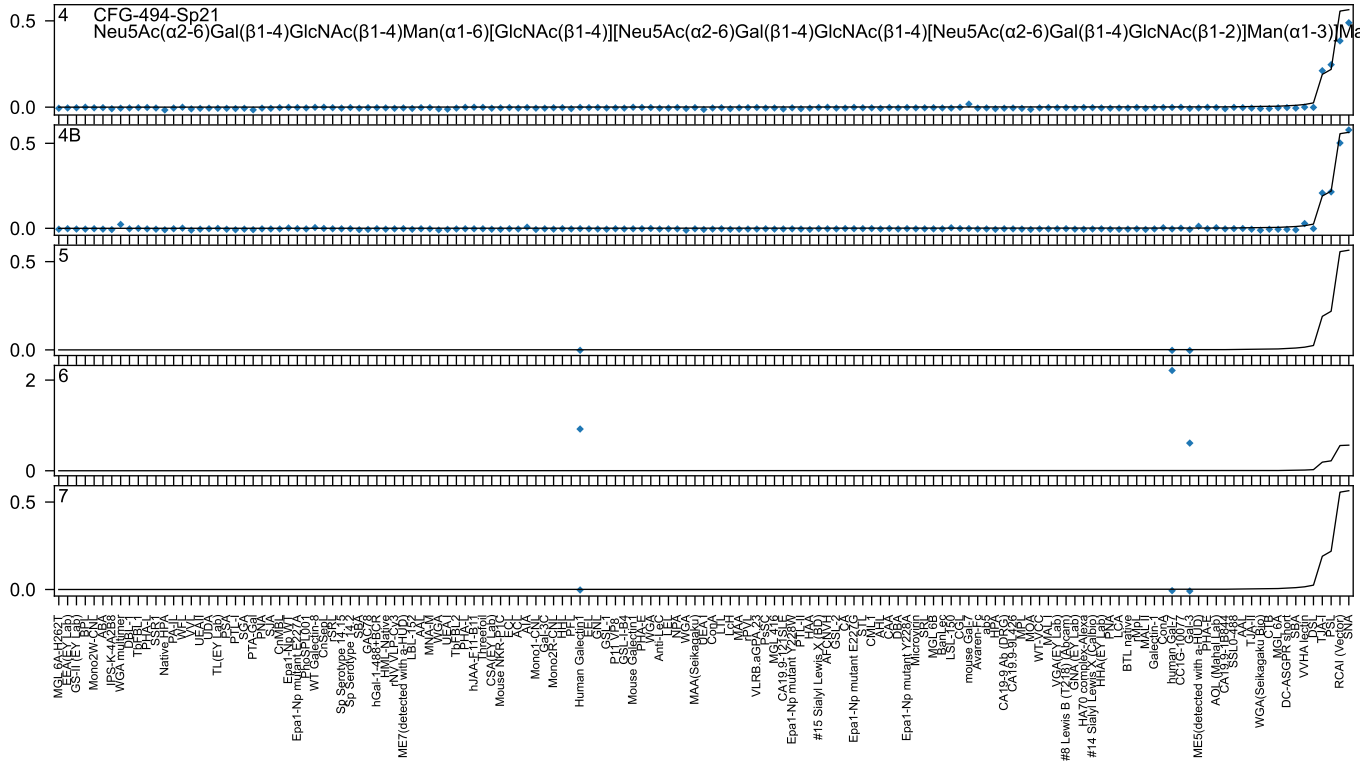

4 CFG-489-Sp21
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp21
4B
5
6
7
0.0
0.5
1
SNA
SNB
MGL-Native
HML-Native
Tbp1
#15 Sialyl Lewis x (EB)
#14 Sialyl Lewis x (Calbio)
PNL
DBL-1
UDA
TL(EY Lab)
LCA
SBA
SSA
PNA
UEA1
UEAI
HA70 complex
VLRB.aGPA.23
SBA
MOA
HHA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
Mono2W-CNL
ME5(detected with a-Fuc)
ME7(detected with a-Fuc)
VVHA
PTA
VGA(EY Lab)
GSI-2
MGL-416
CAA
P1-VCP
Mono2R-VCP
Mono1-CNL
GSII-4
ACL
Threonin
VGA
Epa1-Np mutant Y228A
Epa1-Np
WT Galectins
CA19-9 Ab (DRG)
Avarol
CSA(EY Lab)
rSPL
rSH
HA
MAA
Sp Serotype 14.2
MOA
hGal-1-488
EEL
Epa1-Np mutant T57A
MGL-8A
Epa1-Np mutant E229G
B1L native
CNL
Sp Serotype 14.15
Anti-LSC
CA19.9
SSA
PEL
MGL 6A
LSL-150
Epa1-Np mutant G227A
AAL
PSSC
AAL
RCAI (Vector)
#8 Lewis B (T218) (Calbiochem)
MNA-M
PhoSP-081
CC1G-1
AOL (Majtan Lab)
WI-SRC
DC-ASGPR short
Mouse Galectin-1
PHA-E
Galectin-1
MOA
hJAA-F11-B11
MAA(Sigma)
Mouse NKRP1C
STL
human Galectin-1
ConA
Human Galectin-1
WGA(Seikagaku B.Q)
PWA
WGA
WGA multimer

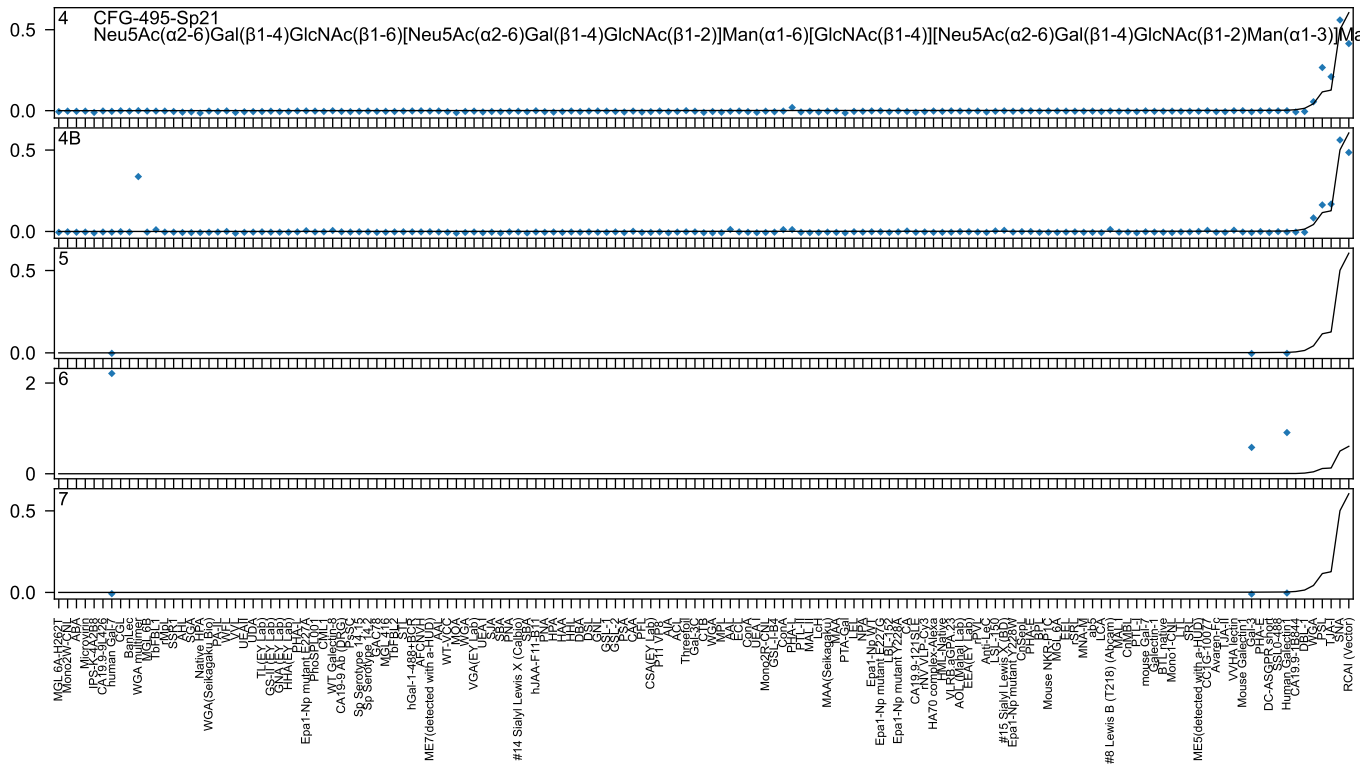

4
CFG-490-Sp21
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-4)Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-4)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)]Ma
4B
5
6
7
0.25
0.00
2
0

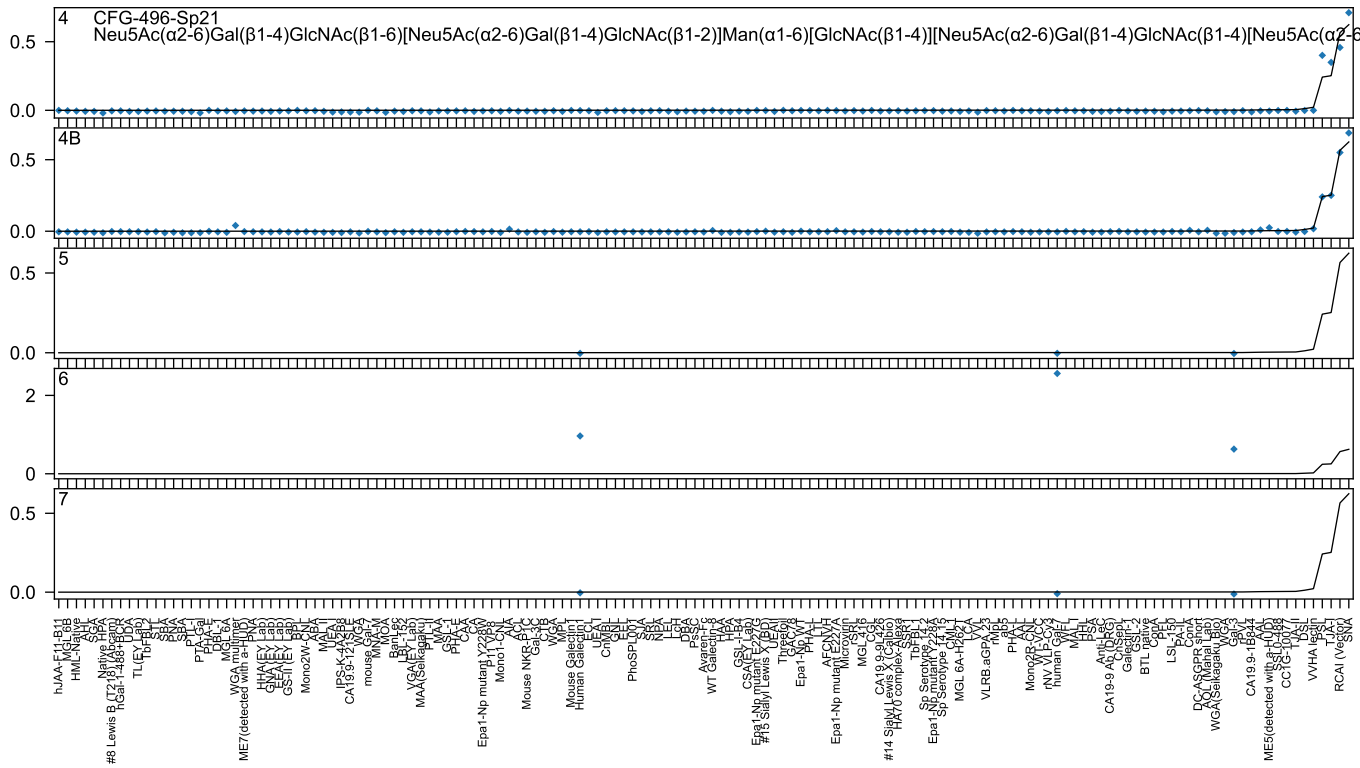

4
CFG-491-Sp21
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Ma
4B
5
6
7
0.0
0.5
2
0
SNA
GNA (EY Lab)
EEA (EY Lab)
GS-II (EY Lab)
ABA
AOL (Mahal Lab)
ab5
Microcystin
CA19.9 Ab
CA19.9 (1.426
HHA(EY Lab)
hip
Nativ
CIPA
WGA
UEA-II
TL(EY Lab)
UEA-I
LCA
Banlec
ESA
SNA
Epa1-Np mutant E226G
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
PhoS-CMP
CA19-9 Ab
Chitin
SBA
GS-I
Sp Serotype 6
DC-ASGPR short
BTL-Lectin
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (Calbio)
VLRB.aGPC.23
ME7(detected with a-1-15)
WT-MOX
VGA(EY Lab)
UEA
PSA
hJAA-F11
GNL
NPL
AIA
Mono1-CNL
Monoclon-CNL
P11
VGA
GSL-I-B4
CSA(EY Lab)
HAA
DBA
PNA
PSL
GSL-I-A4
GSL-I-B4
Threelobe
ACL
CorA
PHA-E
WFA
UEA-I
WGA
WGL
PTA-Gal
PTL-I
Arth-Lec
WAL-II
WT Galectin-8
Sp Serotype 7
AAL
WGA
HA70 complex-VLCA
LCA
Epa1-Np mutant Q227A
TcBFL-1
PSL
PSSC
Mono-CNL
LBL-1B
RCA (Vector)
CA19.9-1B304
hGal-1-488+EDTA
Epa1-Np WT
MGL-418
#8 Lewis B (TZ18) (AbCam)
SGA
CSBP
Gal-3C
MGL 6A
MAA-II
CCL-G-10027
Vector
APCNVH
Mouse Galectin-1
Galectin-1
JFV
VVHA
BAHA
MOL
ME5(detected with a-1-15)
AAL
DBL-1
DSL
Mouse NKR-P1C
SSLD-488
PTL
MAA(Seikagaku)
Human Gal-1
Human Gal-7
WGA
mouse Galectin-1
Epa1-E
PHA-E
WGA(Seikagaku)
VGA
WGA multimer

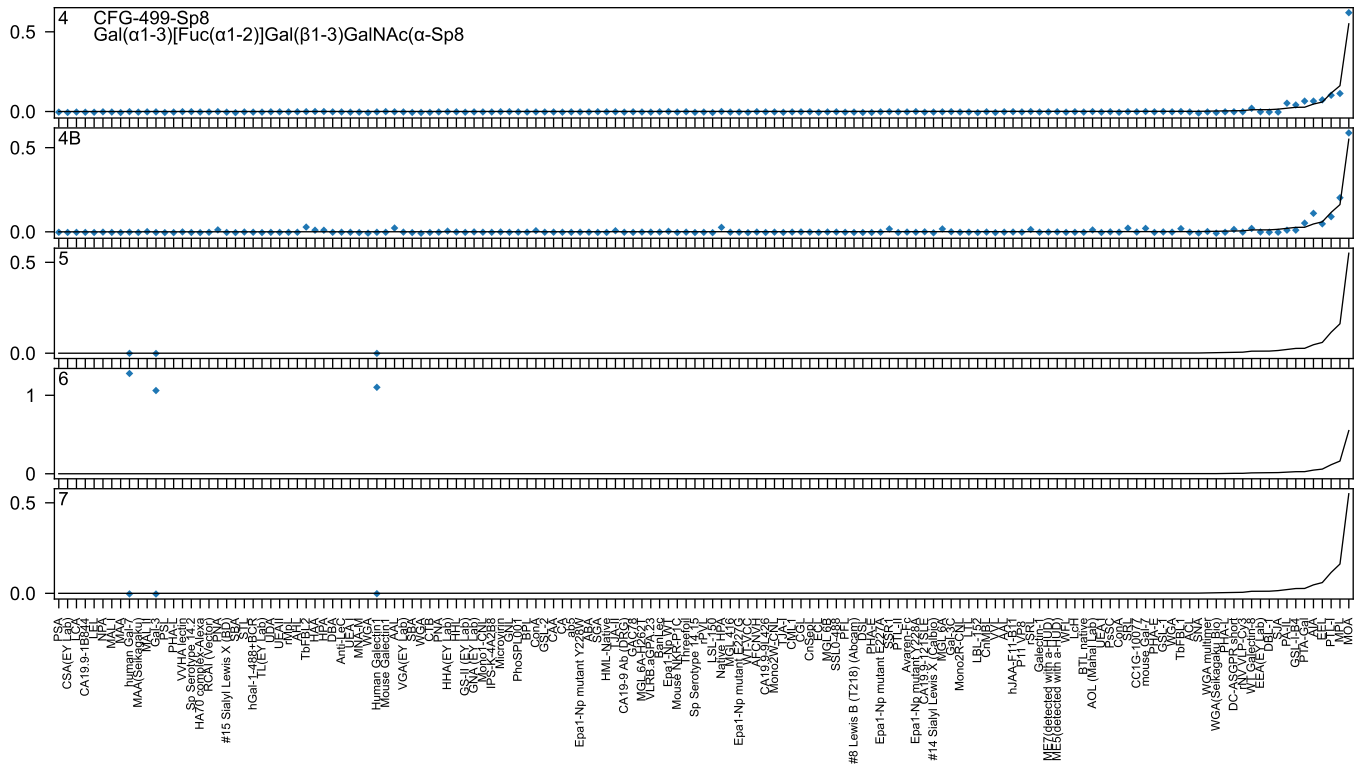

4
CFG-492-Sp21
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-4)[Neu5Ac(α2-3
4B
5
6
7
0.25
0.00
2
0
SNA
Mono2W-SNA
ABA
AOL(Mal)-LectB
BS-I-A4-PBS
CA19-9-Alexa
HA70 complex-Alexa
MGL
BP
PAL
VVL
WFL
TL(EY Lab)
UEA
LEA
PNA
RCAI (Vector)
Native-PTA
GS-II (EY Lab)
GNA (EY Lab)
Epa1-Np mutant Y228W
CA19-9-Tos (ORG)
BTL (native)
hGal-1-488+BCS
VVL VEP-C33
LEA VEP-C33
LEA(EY Lab)
ME7(detected with a-HD)
MOA
MVA
VGA(EY Lab)
UEA
SBA
PNA
HHA(EY Lab)
TBL-182
MGL 6A-Fc-Gal
BSL
DBA
ERL
GSL-1
GSL-2
CAA
PSA
P11 vs A
Mono1-CNL
AAL
CTB
VVL
MPL
EAL
CGA
Anti-FAC
HPA
hJAA-F11-B17
NPA
PHA-E
MAA
GSL-I-B4
MAL II
TQL
MGL-FB
TBL-182
CA19-9-Alexa
AOL(Mal)
CA19-9-Tos (ORG)
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
Epa1-Np mutant E227K
HMA Native
#8 Lewis B (T218) (Cabio)
#14 Sialyl Lewis X (Cabio)
Mono2-Neu
Sp Serotype 14
Sp Serotype 12
WT Galectin-3
GalC
CA19-9-Alexa
CA19-9-Tos
Epa1-Np mutant E227K
MGL
SSA
Sp Serotype 14-15
Mouse NES-Fc
CSA
WT-VCC
CC1G-10024
LSL-150
#15 Sialyl Lewis X (Cabio)
SBA
VVL
Avarem
CaMBL
GalSX
PHA-L
DC-ASGPR Short
DBL
Galectin-1
Mouse Galectin1
PTL
WGA
SSL
WGA(Seikagaku Bio)
MAL
ME5(detected with a-HD)
SNA
MAA(Seikagaku)
Human Galectin-7
Human Galectin1
PHA-E
WGA multimer
mouse VGA
VGA
DSL

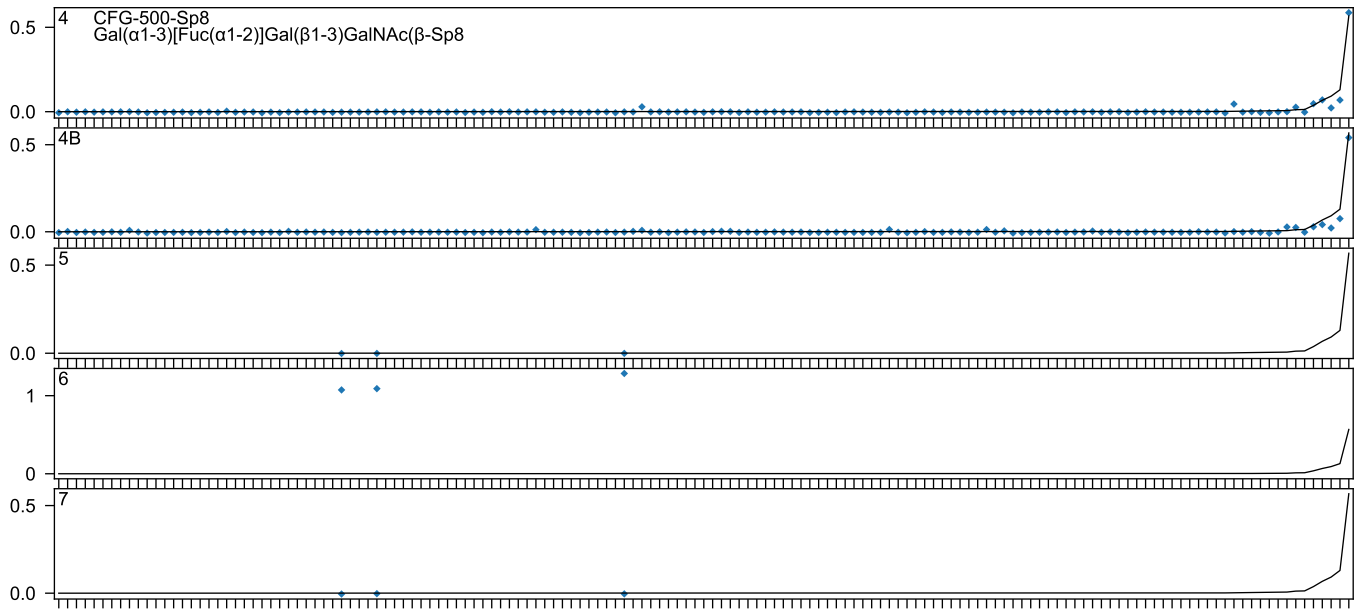

4 CFG-493-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp21
4B
5
6
7
0.5
0.0
1
0
hJAM-F11-B1A
Native LUCA
ME7(detected with a-HUCA)
RWE
UEA-I
UDA
TL (Gal-Lab)
VLRB (Gal-Lab)
HNX VLR-Cy3
HML-Neuba
PSA
#15 Sialyl Lewis X (BD)
PTL-I
PTA (Gal-Lab)
#14 Sialyl Lewis X (Calbio)
AOL
Microvibrin
Mono2W-CNL
GSL-IV (EY Lab)
mouse Gal-7
HHA(EY Lab)
CGL
PHA-E
SNA
SSA
VEA-I
VGA(EY Lab)
WT MGL
MOA
TcFBL1
AAL
PhA-E
MAA(Seikagaku)
Mono2-CNL
Mono1-CNL
CVN
AOL
Cnp
CA19-9 Ab (ORG)
Tritegol
PhoSP-100
Epa1-Np mutant E227G
Epa1-Np mutant E229A
AAL
Mouse Galectin-1
Human Galectin-1
Epa1-Np
TJA-I
GalNAc
Avenpec
MAL II
Sp Serotype 1 CPS
MAA
TcFBL2
NEA
LCA
GSL-I-B4
CSA(EY Lab)
CAA
HPA
DBA
DSL
ECL
GSL-1
HPA
GNA
AOL (Matsu Lab)
Neu5Ac-BSA
MGL 6A-HPAA
Epa1-Np mutant K238W
Epa1-Np mutant E227G
Epa1-Np complex-Alexa
HAX Sp complex-Alexa
CA19-9 Ab (ALX) 426
CA19-9-121SCE
PEL
PEC
SSA
SSR1
WT MGL 4-18
Galectin-8
MPL
MOVGA
LBL-152
CC1G_10077
SanLec
#8 Lewis B (T218) (Calbiochem)
PhoCE
TJA-I
IPS-K-4A2B8
AFCNVG
Anti-Lac
GNA (Lab)
DC-ASGPR short
BTL native
Mouse NKR-P1C
Galectin-1
Gal-3C
CTB
ME5(detected with a-HUCA)
Gal-3
SSL
CA19-9 (BIOS)
BPL
CGL
VVHA lectin
WGA(Seikagaku)
VGA
PAL
WGA
RCA I (Vector)
WGA multimer

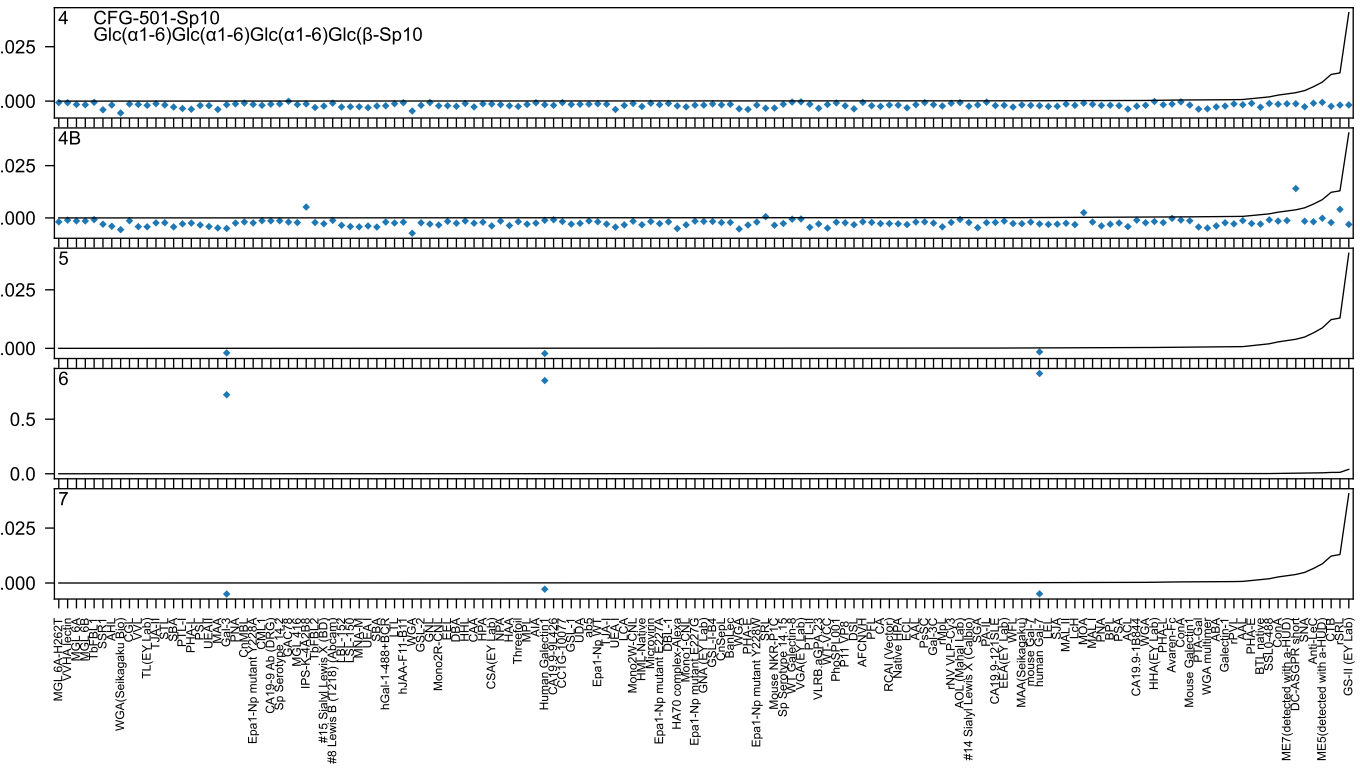

4
CFG-494-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-4)Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-4)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)]Man(α1-3)[Ma
4B
5
6
7
0.5
0.0
2
0
MGL 6A (EY Lab)
GSII (EY Lab)
Mono2W-CNL
IPS-K-4-ABA
WGA mutant
TBEL-1
PHA-E
SBA
Native
PAA-I
WVL
UEA
TL(EY Lab)
PTA-1
SGA
PTA
PNA
SNA
CnNA
Epa1-Np WT
Epa1-Np mutant S201A
WT Galectin-8
CrSBL
PSA
Sp Serotype 14
Sp Serotype 4,15
Sp Serotype 23
SBA
hGal-1-488
GAL3CR
HWL (Lab)
HWL (HUD)
ME7(detected with LHUD)
LBL-182
MNA-M
WGA
TBEL-1
TBEL-2
hJAA-F11-B11
Threelol
GS-II
Mouse NKR-P1C
ECL
ECI
AIA
AVA
Mono1-CNL
Mono2R-CNL
PHA-L
PHE
Human Galectin1
GNL
GSII
GSII-4
P-1
GSL-I-B4
Mouse Galectin1
TJ
WGA
Anti-LEC
WEA
VVA
MAAA(Seikagaku)
DEA
CON
LTA
MPA
MAA
PVA
VLRB.aGPC
PSSC
MGL-6-18
CA19.9-G-2-18
Epa1-Np mutant Y228W
PTA
HAA
#15 Sialyl Lewis X (BD)
APA
GSL-I-A4
Epa1-Np mutant E227A
SNT
CMLL
CAA
GAA
Epa1-Np mutant Y228A
Microvigin
MGL-6B
Bam-LEC
LSL-1-B
CGL
mouse Galectin-1
Avarol-F
abs
CA19-9 Ab (PRG)
CA19.9-1-428
MGA
WT VACC
#8 Lewis B (EY Lab)
VGA (EY Lab)
GNA (EY Lab)
HA70 complex-Alexa
#14 Sialyl Lewis X (EY Lab)
HHA (EY Lab)
PSA
BTL
BTL naive
MAIPI
Galectin-7
human Gal-2
CCTG-10077
ME5(detected with aHUD)
AOL (Meth)
CA19.9-18944
SSL0-1
T-LAC
WGA(Seikagaku)
CTB
DC-ASGPR
MGL-6A
SBA
VVHA lectin
TJA-I
TJA-II
RCAI (Vector)
SNA

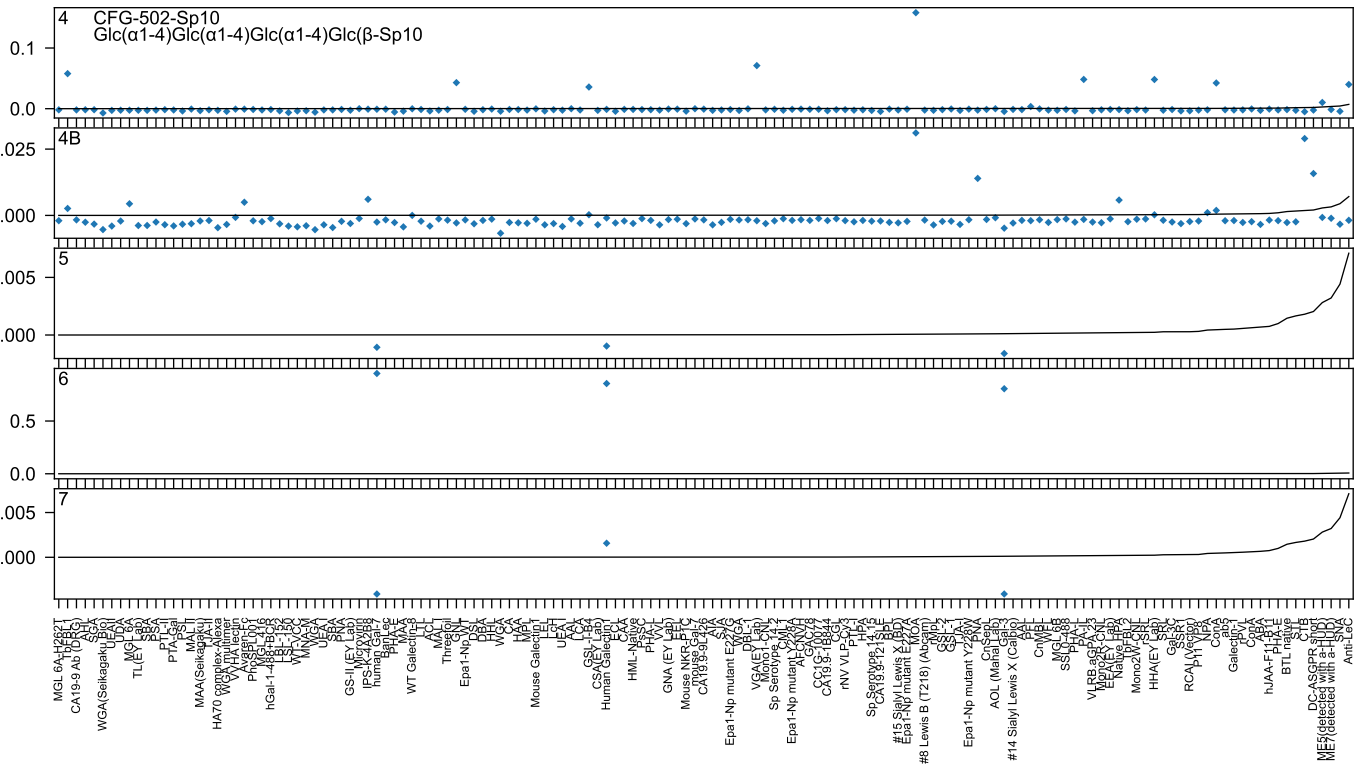

4
CFG-495-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Ma
4B
5
6
7
0.5
0.0
2
0
MGL 6A-H267
MonoCAW
ABA
Mouse CAW
IPS-K12988
CA19.9-9L429
human SGL
WGA mutant
BanLec
MGL-B6
Tbr-PDI
SSR1
SSA
Native HPA
WGA(Seikagaku)
PNA
WT
UEA-II
VVA
TL(EY Lab)
GSL-I(EY Lab)
GNA(EY Lab)
HHA(EY Lab)
Epa1-Np mutant E227A
PhoSPC001
WT Galectin-8
CA19.9 Ab (BRG)
Sp Serotype 14-32
Sp Serotype 14-28
MGL 418
Tbr-BIP
hGal-1-488-BCR
ME7(detected with a-HUD)
WT-VAC
MOA
VGA
VGA(EY Lab)
UEA-I
SBA
PNA
#14 Sialyl Lewis X (Calbiochem)
hJAA-F11
BTA
HPA
HHA
DBA
GNL
GSL-I
GS-II
PSA
CFA
CSA(EY Lab)
pH1 VAC
VIA
ACL
Thrombin
Galectin-3
CTB
WGA
EEL
CorA
ConA
Mono3R-CCN
GSL-I-B4
PEA-I
PHA-L
MAL-II
LCH
MAA(Seikagaku)
WFA
PTA-Gal
NPA
Epa1-Np
Epa1-Np mutant D227G
Epa1-Np mutant Y226A
LEC-182
CA19.9-121SLE
MYO
HA70 complex-Alexa
HMGA(Nauys)
VL-PEA-Alexa
AOL (Malaga Lab)
EEA(EY Lab)
Anti-LeX
#15 Sialyl Lewis X (BRG)
Epa1-Np mutant Y226W
CA19.9
PEANUT
BTL
Mouse NKR-P1C
MGL-6A
ESR
MNA-M
rBCA
#8 Lewis B (T218) (Abcam)
CrMB
mouse Gal-7
Galectin-1
Mono-1-488
ME5(detected with a-HUD)
CCL2-Ab
SJL
Anti-Tn
TAA-II
VVH
Mouse Galectin-7
Gal-3
PGA
DC-ASGPR short
Human Sialo-488
CA19.9-18844
DBCA
PSL
SNA
RCAI (Vector)

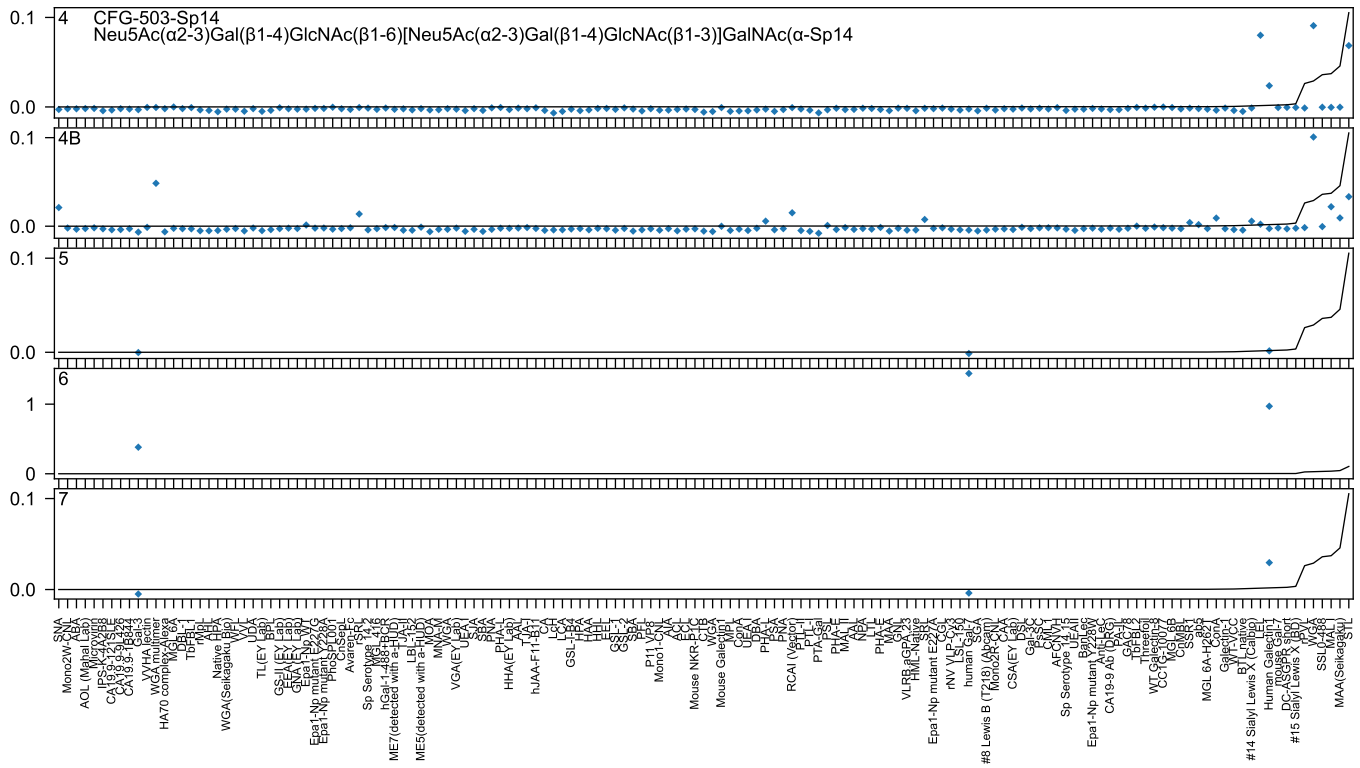

4
CFG-496-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-4)[Neu5Ac(α2-6
4B
5
6
7
0.5
0.0
2
0
hJAA-F11-B11
HMI-Naive
#8 Lewis B (T72-1488+BCR
TL(EY Lab)
WGA mutant
ME7(detected with a-HUD)
GNA(EY Lab)
Mono2W-BN
Epa1-Np mutant Y228W
Mouse NKR-P1C
Mouse Galectin1
Human Galectin1
#19 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
HA70 complex
Sp Serotype 14
human GalE
Microvigin
MGL 6A-H2B1
VLRB.aGPA23
CA19-9 Ab (NeG)
Galectin-1
BTL
LSL-150
DC-ASGPR short
WGA(Seleganol Lab)
MEs(detected with a-HUD)
CCR5-Ig
VVHA
RCAI (Vector)
SNA

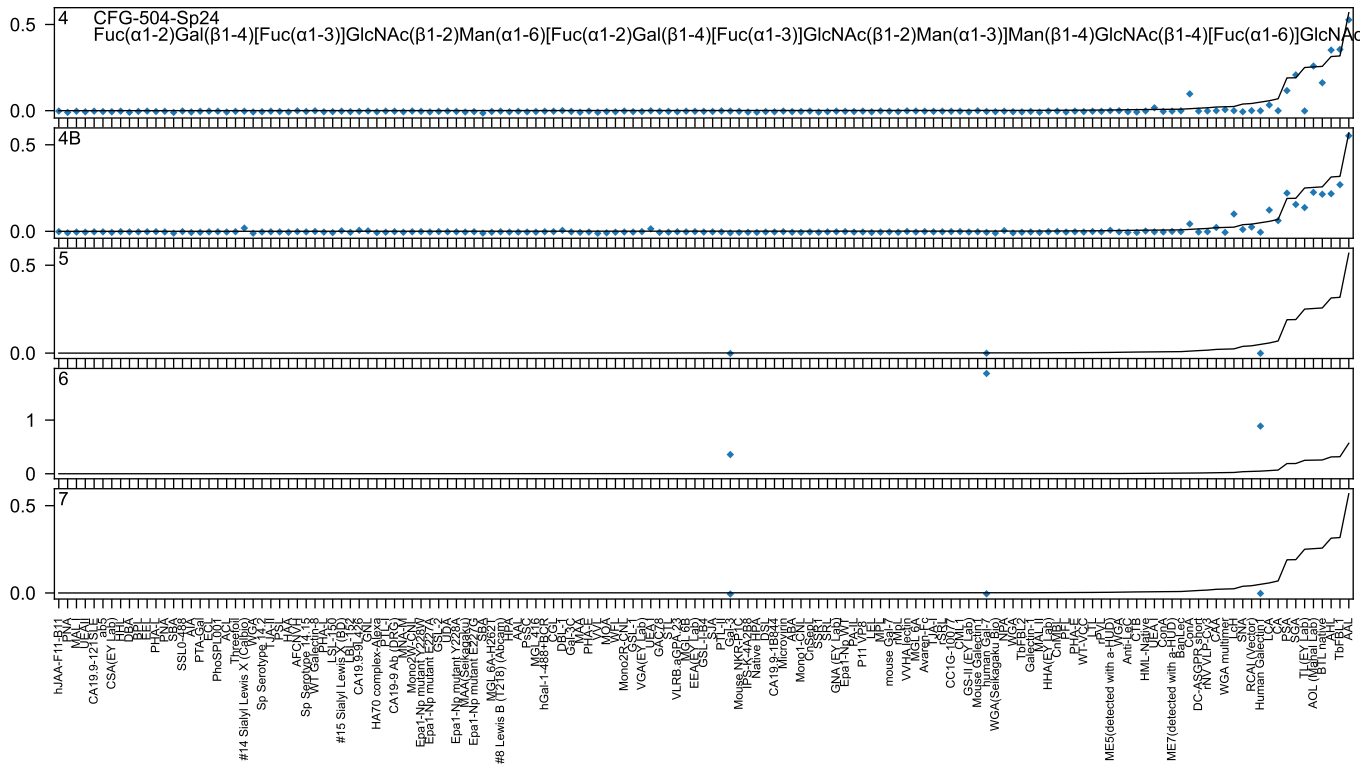

4
CFG-499-Sp8
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GalNAc(α-Sp8
4B
5
6
7
0.5
0.0
1
0
PGA
Lab
CSA(EY Lab)
CA19.9-18
EEL
NPA
MAA
MAA(Sellmayr)
Human Gal-1
MAL I
GSL I
PHA-L
VVHA-L
Sp Serotype 14/2
HA70 complex-Alexa
RCA I(Vector)
PNA
#15 Sialyl Lewis X (EY
EBA
STL
hGal-1-488
EF-Lab
UEA I
HL(EY Lab)
UDA
hNgl
TbFBL
HAA
DBA
Anti-LEC
MAA-N
WGA
Human Galectin1
Mouse Galectin1
VGA(EY Lab)
Ab
SBA
VCB
HHA(EY Lab)
HHL
GNA (EY Lab)
Mono1-CNL
IPSC-CNL
Mono2-CNL
PhoSPL
BPL
GSII
CAA
ACA
Epa1-Np mutant Y228W
SNA
SGA
HML-Native
CA19-9 Ab (DSG)
MGL 6A
VLRB.aGPA 23
Epa1-Np wt
Mouse NKRP1C
Sp Serotype 14/18
Native HPA
LSL-1
Epa1-Np mutant E227G
WT-CCG
CA19-9-488
Mono2W-CNL
CMLV
CnSGL
MGL-488
SSL7-488
PFL
#8 Lewis B (T218) (Abcam)
BSL
Epa1-Np mutant E227F
Epa1-Np wt
SSA1
Avaren-L
Epa1-Np mutant Y228A
#14 Sialyl Lewis X (Calbio)
MGL 6A
Mono2R-CNL
LBL-1
CnMBL
AAL
hJAA-F11-488
PF11-SPL
Galectin
MEZ(detected with a-HUD)
ME5(detected with a-HUD)
WFA
BTL-native
AOL (Maria Lef)
LEA
CSsX
SIS
CC1G-100/7
mouse-100/7
PHA-E
GNA
TbFBL-1
SNA
WGA multimer
WGA(Sigma)
PHA-L
DC-ASGPR-Fc
WT Galectin-8
EEA(E. Dellpey)
PSA
PGA
GSL-IB4
PHA
Gal
EEL
PNA
MPL
MOA

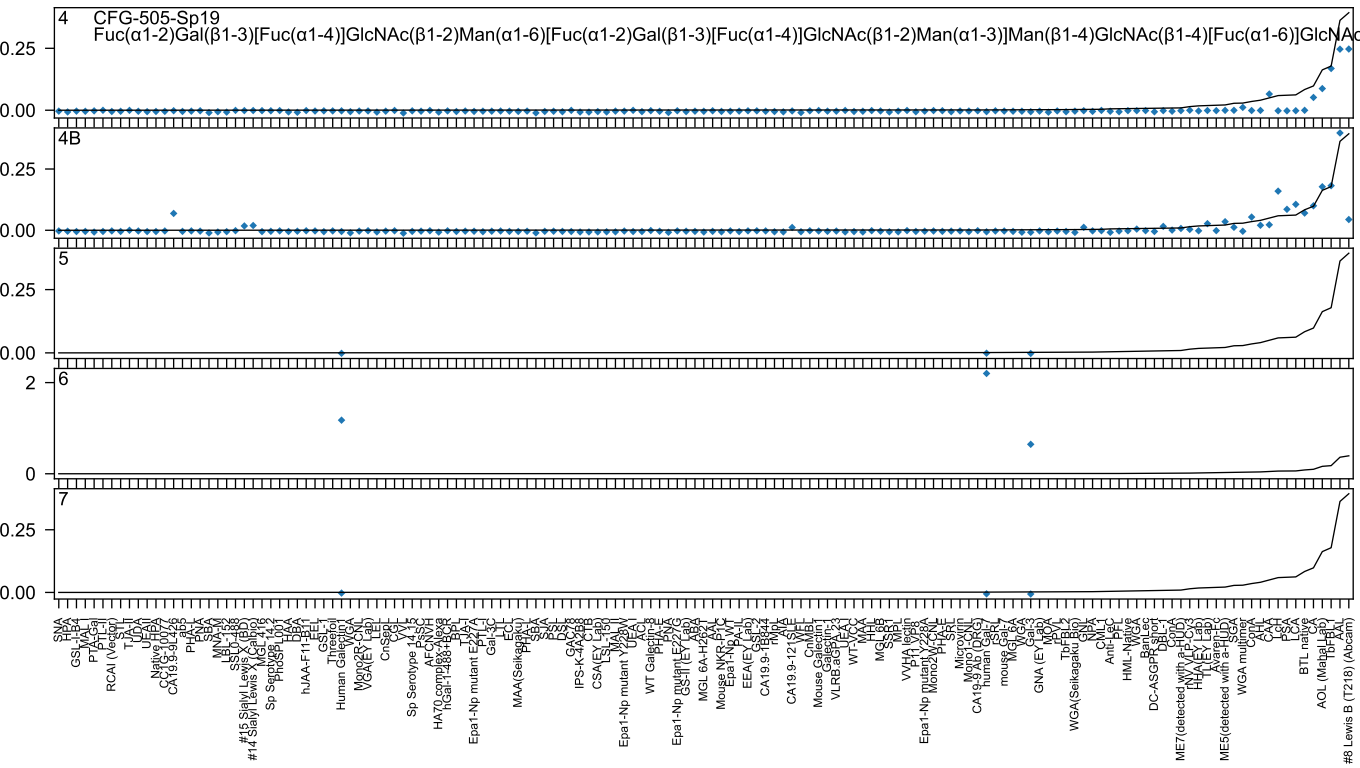

4
CFG-500-Sp8
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GalNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
MAA
MPA
#8 Lewis B (T218) (Abcam)
APC(CCA
LCA
GNA (EY Lab)
SBA
ME7(detected with EY Lab)
HPA (EY Lab)
VGA(Seikagaku) Rec
MAA(Seikagaku) Rec
PNA
MAL II
PSL
PHA-L
WFL
ME5(detected with EY Lab)
UEA(EY Lab)
VGA(EY Lab)
UEA
SBA
SJA
SJL
TJA-I
TJA-II
LCA
PNA
#15 Sialyl Lewis X (BD)
Gal-1
CorA
Gal-3
Human Galectin-7
Mouse Galectin-7
Epa1-Np mutant E227Q
Epa1-Np mutant E227A
VVH A (Lectin)
Epa1-Np mutant D226A
CA19.9-9-26 (R&D)
Chicken Galectin-1
Threpolo
CA19.9-9-26
HA70 complex-Alexa
Microtubule
rSP-1
CAA
AOL (Mahal Lab)
MGL 416
PNA
VVL
TL(EY Lab)
SSA(EY Lab)
MGL 6A (Lectin)
TJ 2-21
human Galectin-7
mouse Galectin-7
AOL
#14 Sialyl Lewis X (Calbiochem)
DBL
Epa1-Np
MGL 6B
Mouse NKR-P1C
rNV NKR-P1C
VGA
CorA
Epa1
Bandeiraea
Mono2-CONA
Mono1-CONA
SSLO-Gal2
GSL-I (EY Lab)
hMAA(EY Lab)
VAA
hGal-1 488
hGal-1 9-2-1
CA19.9-9-26
GAC78
Sp Serotype 1
EAII
MAL I
PNA
Sp Serotype 5
LSL-150
LSL-I (EY Lab)
GS-II (EY Lab)
CCL2 (Lectin)
HMC Native
CA19.9 (Lectin)
MGL 6A
LTA
BPL
AAL
Galectin-1 (Vector)
IPS-1 (Vector)
PVGA
RCAI (Vector)
PSA
Gal-3
MBP
PhoSPLOT
Avarelin-FE
Avarelin
VLRB-aGPA73
TbF
BUD
WT-XCC
PT-XCC
PT-MBP
Mono2-CONA
Epa1-Np mutant
BPL native
Mac
WGA multimer
DC-ASGPR short
GSL-I
SNA
PNA
AIA
Anti-LeC
VGA
EEA(EY Lab)
WT Galectin-8
GSL-IB4
EEL
PTA-Pal
MOA

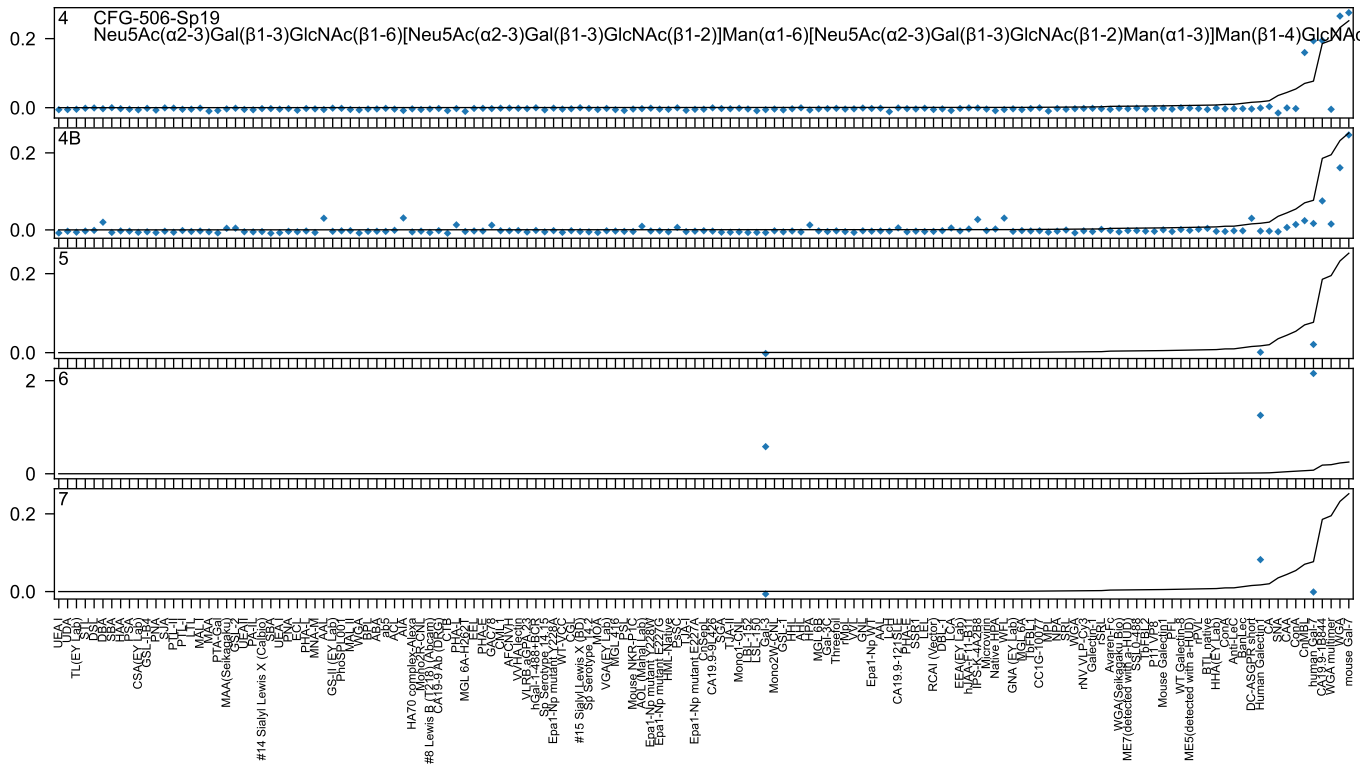

4
CFG-501-Sp10
Glc(α1-6)Glc(α1-6)Glc(α1-6)Glc(β-Sp10
4B
5
6
7
.025
.000
0.5
0.0
MGL(EA.Hybo)
VVA(Vector)
MGL 86
MGL 89
MGL 91
SSR1
WGA(Seikagaku Bio)
CVL
TL(EY Lab)
LCA
SBA
PHA-L
UEA1
MAA
GNA
Epa1-Np mutant
CPMB
CA19-9 Ab (DRG)
CA19-9
Sp Serotype C178
IPS-MGA488
MGA488
#15 Sialyl Lewis X (Lab)
#8 Lewis B(Y-218) Ab (Lab)
TcPBP2
[Lb-182]
[Lb-183]
MNA-N
UEA
hGal-1-488+BCR
hJAA-F11-B11
WGA
GNL
Mono2R-CNL
DBA
CAA
HPA
CSA(EY Lab)
NPA
HAA
Thrombin
MPL
AIA
Human Galectin-1
CA19-9-488
CC1G-GST
GSL1
GUDA
PNA
Epa1-Np wt
UEA
LCA
Mono7-NcaNG
Mono7-NcaNG
Microvirin
Epa1-Np mutant
DBLA
HA70 complex-Alexa
Mono7-NcaNG
Epa1-Np mutant E227G
GNA GST (Lab)
OnSepL
BanLec
PHA-E
Epa1-Np mutant Y229F
SSA
Mouse NKR-P1C
Sp Serotype 14
WFA
Galectin-8
VGA(EY Lab)
VLRB aGPA-23
PhoSPL001
pH1 VE8
AFCNGH
PCA
RCA(Vector)
Naïve EPA
ACL
PSA
Gal-3C
rNV VLP-Alex
AOL (Mahal Lab)
#14 Sialyl Lewis X (Lab)
CA19-9-12
PAL-L
LEA(EY Lab)
WFL
MAA(Seikagaku)
mouse Gal-7
human GalE
STA
MAL-I
MOA
ANA
PNA
BEA
ACG
CA19.9-1B74
HHA
HHA(EY Lab)
Avarrh-Fc
Mouse Galectin-1
ConA
PHA-Gal
WGA multivalent
Galectin-1
PAL
PHA-E
RTL-E
SSL 02488
ME7(detected with a-HUD)
DC-ASGPR stock
SNA
Anti-Tn
ME5(detected with a-HUD)
SNA
rSP
GS-II (EY Lab)

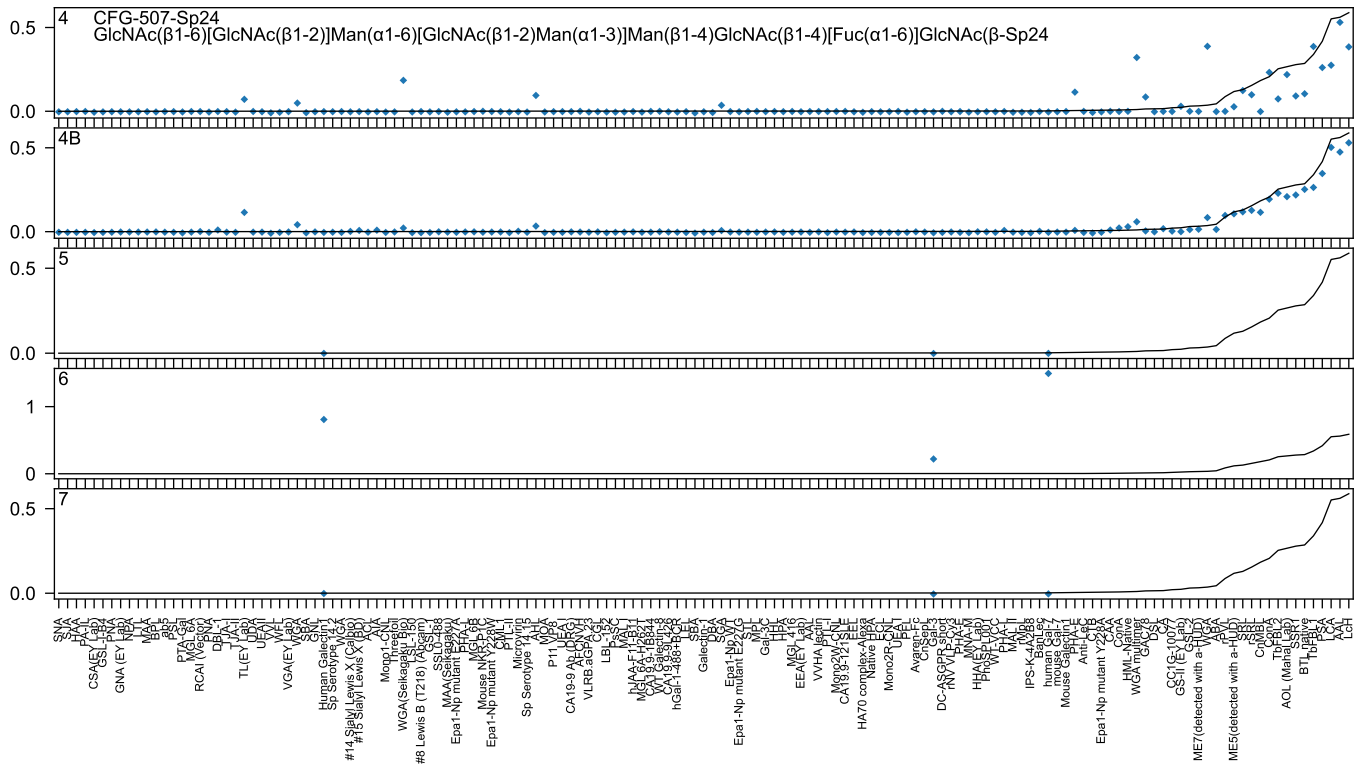

4
CFG-502-Sp10
Glc(α1-4)Glc(α1-4)Glc(α1-4)Glc(β-Sp10
0.1
0.0
4B
.025
.000
5
.005
.000
6
0.5
0.0
7
.005
.000
MGL 6A-HGBP
CA19-9 Ab (DRG)
SGA
WGA(Seikagaku)
UEA
UDA
TL(EY Lab)
SBA
PNA
PTA-Gal
MAL II
MAA(Seikagaku)
HA70 complex-Alexa
WGA hetamer
Avastatin-FC
PNA(EY Lab)
hGal-1-488-biotin
LSL-150
WFA-Cy3
WGA
UEA
SBA
PNA
GS-II (EY Lab)
Microvin
PS-K42-488
human Fc
Ban Lec
PHA-E
WT Galectin-8
ACL
MAL I
Thrombin
CAN
Epa1-Np
DBA
WGA
LCA
MPA
Mouse Galectin1
ECA
UEA
LEA
GSL I-B4
CSA(EY Lab)
Human Galectin1
CAA
HML-native
PHA-L
PHA-E
GNA (EY Lab)
Mouse NKR-P1
mouse Gal-7
CA19.9-gly426
AVA
Epa1-Np mutant Y226A
DBL-1
VGA(EY Lab)
Mon1-CRD
Sp Serotype 14-2
Epa1-Np mutant Y226A
Epa1-Np mutant Y226A
ACA
CCL6-10014
CA19.9-10014
rNV VLP-Cy3
HPA
Sp Serotype 14-2
Sp Serotype 14-2
#15 Sialyl Lewis X LBT
Epa1-Np mutant Y226A
#8 Lewis B (T218) (Abcam)
MOA
GSL-2
UDA
Epa1-Np mutant Y226A
ChSep
AOL (Matal Lab)
#14 Sialyl Lewis X (Calbio)
PEL
CnWE
MGL-88
SSA
PHA-L
PA-L
VLRB aGPC-1
Morpho-CRD
ECA(EY Lab)
Neo Lec
TPR-2
Mono2W-SRP
HHA(EY Lab)
Gal-3
ESC
GalNAc
VSSR1
RCA(EY Lab)
p11-V289
CNA
MPA
ab5
Galectin-1
PV
CorA
PNA
hJAA-F11
PHA-E
BTL mutant
STB
DC-ASGPR
CTB
MER(detected with a-HUR)
MER(detected with a-HUR)
SNA
Anti-LeC

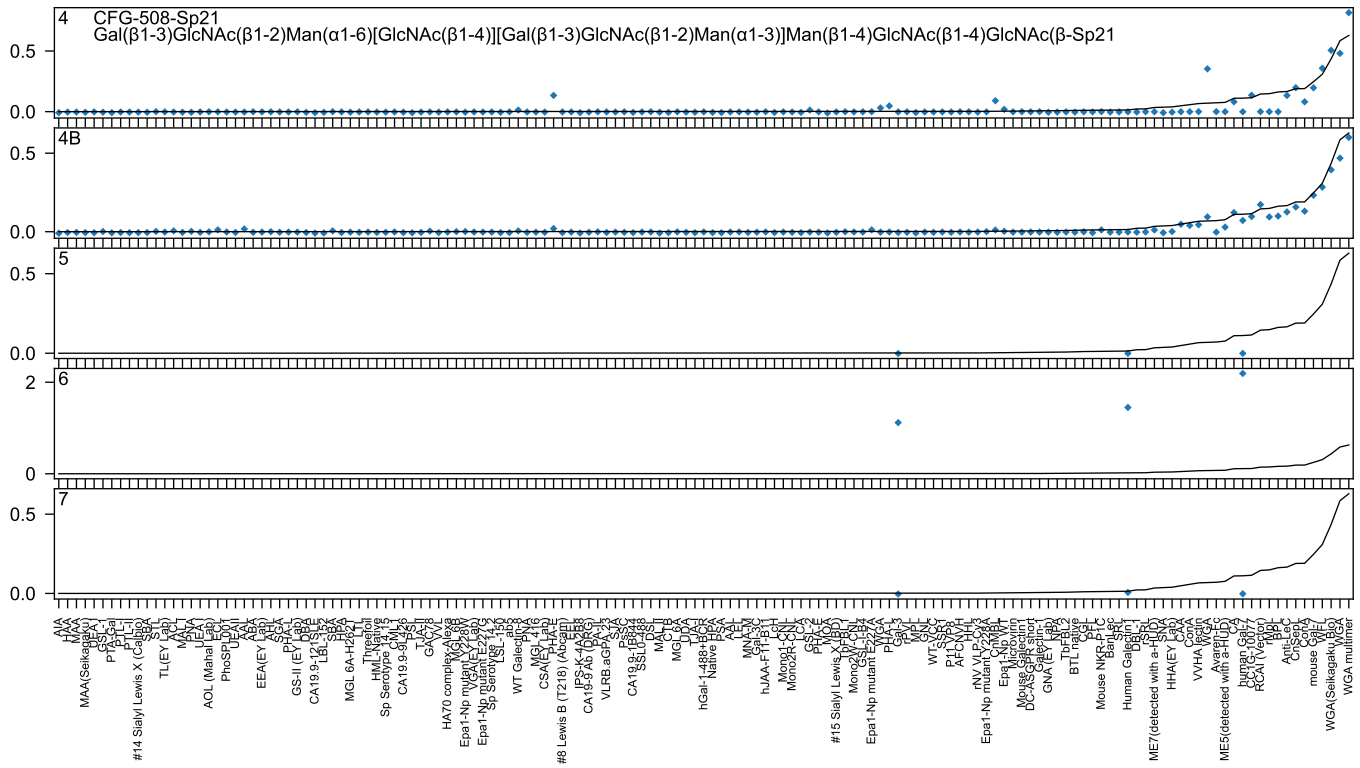

4
CFG-503-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.1
0.0
1
0
SNA
Mono2W-SNA
AEA
AOL (Mytilus pinnatus)
PSA
FPS(C-4A2B8)
CA19-9 (Ab-126)
CA19-9 (Ab-116)
CA19-9 (BRIC-1)
1B4
VVA
YYHA lectin
WGA(mutimer
HA70 complex)
MGL 6A
TdFBL-1
MAL
Native CIPA
RIP
VVL
TL(EY Lab)
BPL
GSII (EY Lab)
GNA (EY Lab)
EEA(EY Lab)
Epa1-Np mutant E227G
Epa1-Np mutant E227G
HPA
OnSepL
AvarSR
Sp Serotype 14
hGal-1-488-HPGR
ME7(detected with a-LUD)
LBL-1
ME5(detected with a-MUC)
MNA
MNOM
VGA(EY Lab)
UEA
SBA
PNA
HHA(EY Lab)
TJA-I
hJAA-F11-B7
LCA
GSL-I-B4
HPA
LTA
ECA
SJA
GSL-I-A4
GSL-I-B4
SBA
PNA
P11
Mono1-CVN
VVA
ACL
Mouse NKR-P1C
VCTB
Mouse Galectin-1
Mm
VVA
UEA1
PHA-L
PHA-E
PSA
RCAI (Vector)
PTL-I
PTA-Gal
PHA-E
MAL II
NPA
PHA-L
MAA
CFL
VLRB.aGP.C33
HML-Native
Epa1-Np mutant E227A
rNV VLP-CGT
LSL-165
human SpCA
#8 Lewis B (T218) (Ab-cat)
Mono2R-CVN
CAA
CSA(EY Lab)
Gal-3C
CAA
CNX
AF-CNXH
Sp Serotype 14 EAII
Epa1-Np mutant Bap66
AfuFLec
CA19-9 Ab (DRG)
TdFBL-2
WT Galectin-9
CCL28
VGLUG6
CMBM
SNA
abs
MGL 6A-H262A
Galectin-1
BJ1 native
#14 Sialyl Lewis X (Calbio)
Human Galectin-1
Mouse Gal-7
DC-ASGPR Gal-7
#15 Sialyl Lewis X (BD)
WGA
SSL-488
MAA(Seikagaku)
STL

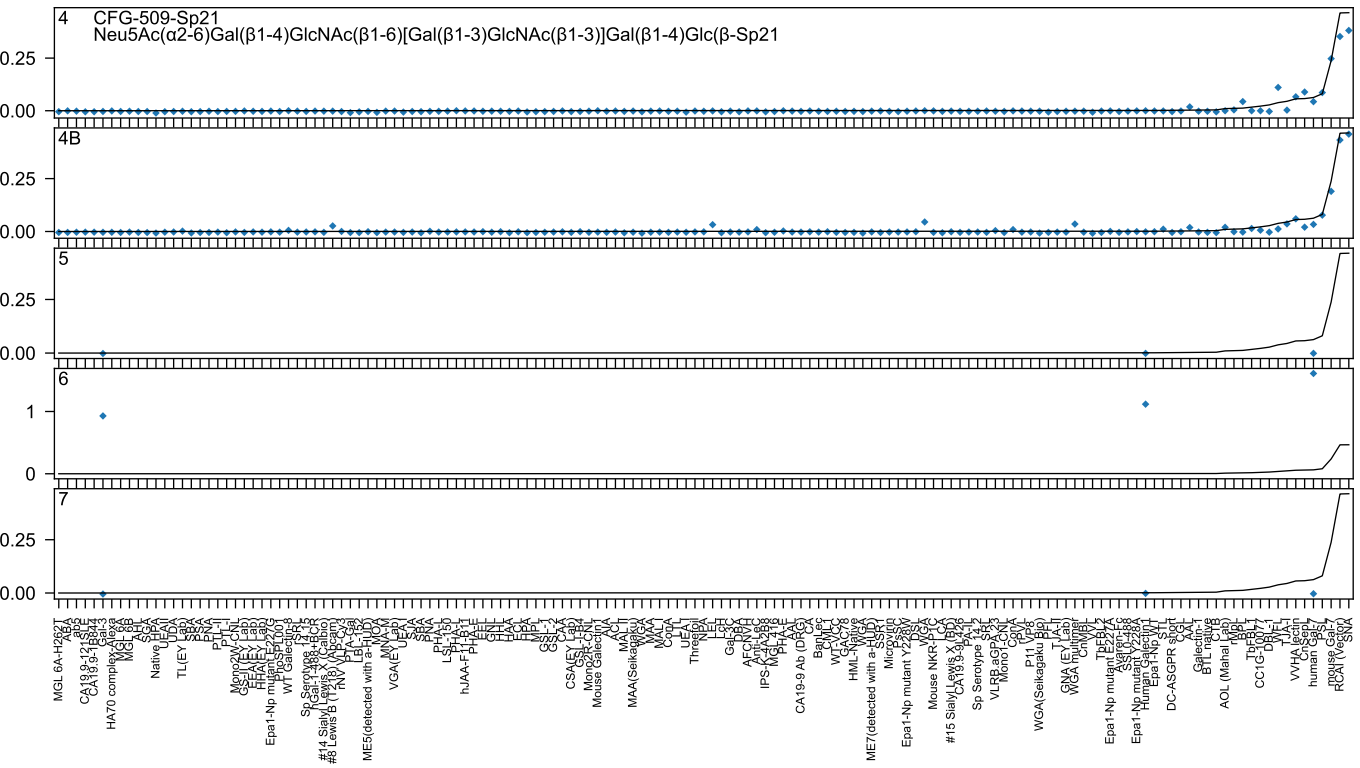

4
CFG-504-Sp24
Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
RIA
MAL I
SNA
CA19-9-12
SCL
abo
CSA(EY Lab)
LFA
DBA
EEL
PNA
PHA
SBA
SSL7
AIA
PTA
Gal
PhoSL
Lo1
Aco
Thy
#14 Sialyl Lewis X (Calbio)
Sp Serotype 14
Sp Serotype 1
LAL
HPA
AFG
Sp Serotype 4
WT Galectin-8
LSL
LSI-15
#15 Sialyl Lewis X (BD)
CA19-9-1-428
GNL
HA70 complex-A
PIPL
CA19-9 Ab
MAG
Mono2-CNL
Epa1-Np mutant Y229A
Epa1-Np mutant E229Q
GSL-2
Epa1-Np mutant Y229A
Epa1-Np mutant E229Q
Epa1-Np mutant E229Q
SBA
#8 Lewis B (Y218) (Abcam)
MGL (6A-H-Zen)
HPA
ABA
PsSC
MGL-1-428
hGal-1-428
BGL
BPL
GNA
PHA-L
MAAL
PHA-E
MOA
VVL
Mono2R-CNL
VGA(EY Lab)
VEA
GNSI
VLRB.aGPA
EEA(EY Lab)
GSL-I-B4
LEA
PT-II
Mouse NKR-P1C
PS-K-47-288
Native PSL
CA19-9-1B844
Microcystin
ABA
Mono1-CNL
OSA
SSA
GNA (EY Lab)
Epa1-Np WT
P11
Vip8
MPL
mouse Gal-7
VVHA (Ion)
MGL 6A
Avarol-A-1
CC1G-1
CNL1
GSII (EY Lab)
Mouse Gal-1
Human Gal-7
WGA(Seikagaku)
RPA
TJA
Galectin-1
TbVGA
HHA(Calbio)
MAL I
CNL
BL
PHA-E
WT-VCC
PVL
ME5(detected with a-HUD)
Anti-LeC
HML-Nonlis
UEA I
ME7(detected with a-HUD)
Ban-Lec
DC-ASGPR-Short
rNV VLP-CXA
WGA multimer
SNA
RCA I(Vector)
Human Galectin-1
LCA
PSA
SGA
TL (EY Lab)
AOL (Vector Lab)
BYL native
TbFBL
AAL

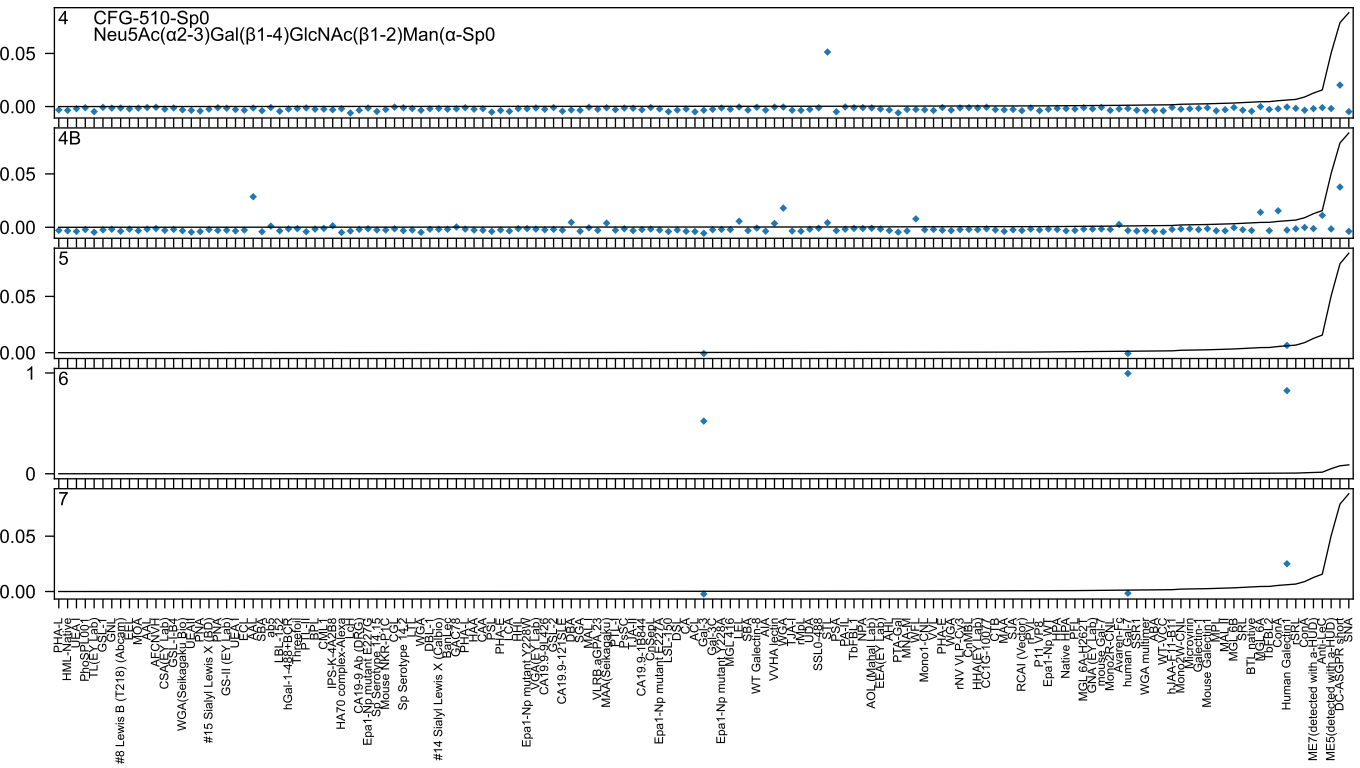

4
CFG-505-Sp19
Fuc(α1-2)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc
4B
5
6
7
0.25
0.00
2
0
SNA
SNA
GSL-I-B4
ACA
PTA(Jac)
PTL-I
RCAI (Vector)
SBA
T-JAC
T-JAC
UEA-I
UEA-I
Native human
CA19.9-SL426
PHA-E
PHA-E
SBA
SBA
MNA-M
MNA-M
SSL-188
SSL-188
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Abcam)
MGL-918
Sp Serotype 14-1
PhoSL-101
HGA
hJAA-F11
LBA
EEL
EEL
Gal-1
Thy-1
Human Galectin-1
Mono2R-CONA
VGA(EY Lab)
CnSepE
CVN
CVN
Sp Serotype 14-35
AFCNGH
HA70 complex
hGal-1-488-Alexa
BPL
BPL
Epa1-Np mutant E227
PHA-L
PHA-L
Gal-3C
ECL
MAA(Seikagaku)
PHA(L)
SNA
SBA
PSL
PSL
GAL8
GAL8
IPS-K-4A268
CSA(EY Lab)
LSL-1
LSL-1
Epa1-Np mutant V228W
UEA
UEA
WT Galectin-8
PNA
PNA
Epa1-Np mutant E227G
GS-II (EY Lab)
ABA
ABA
MGL 6A-H2621
Epa1-Np
PVL
Mouse NKR-P1C
Epa1-Np
ACL
EEA(EY Lab)
CA19.9-TB844
mAb
AIA
CA19.9-121SLE
CnMEL
Mouse Galectin
Galectin-3
VLRB-Galectin-3
WT-UEA
MAX
MAX
HPA
HPA
MGL-6A
SSL1
SSL1
Man
VVHA
PT1-1988
Epa1-Np mutant Y228A
Mono2N-CONA
PHA-E
PHA-E
Microvirin
CA19.9-1020 (ORG)
human Galectin-7
mouse Galectin-7
MGL6A
Gal-3
GNA (EY Lab)
PVA
PVA
TJA-II
WGA(Seikagaku)
GSL
GSL
CML1
CML1
Anti-PEC
PEC
HML-Native
BanLec
DC-ASGPR
SjTor
DC-A
ME7(detected with a-HUD)
HHA
HHA(EY Lab)
TxLec
TxLec(EY Lab)
ME5(detected with a-HUD)
SnoA
SnoA
WGA multimer
CnA
CnA
CAA
CAA
PSA
PSA
LCA
LCA
BTL native
BTL native
AOL (Maba-Lab)
TbA
TbA
#8 Lewis B (T218) (Abcam)

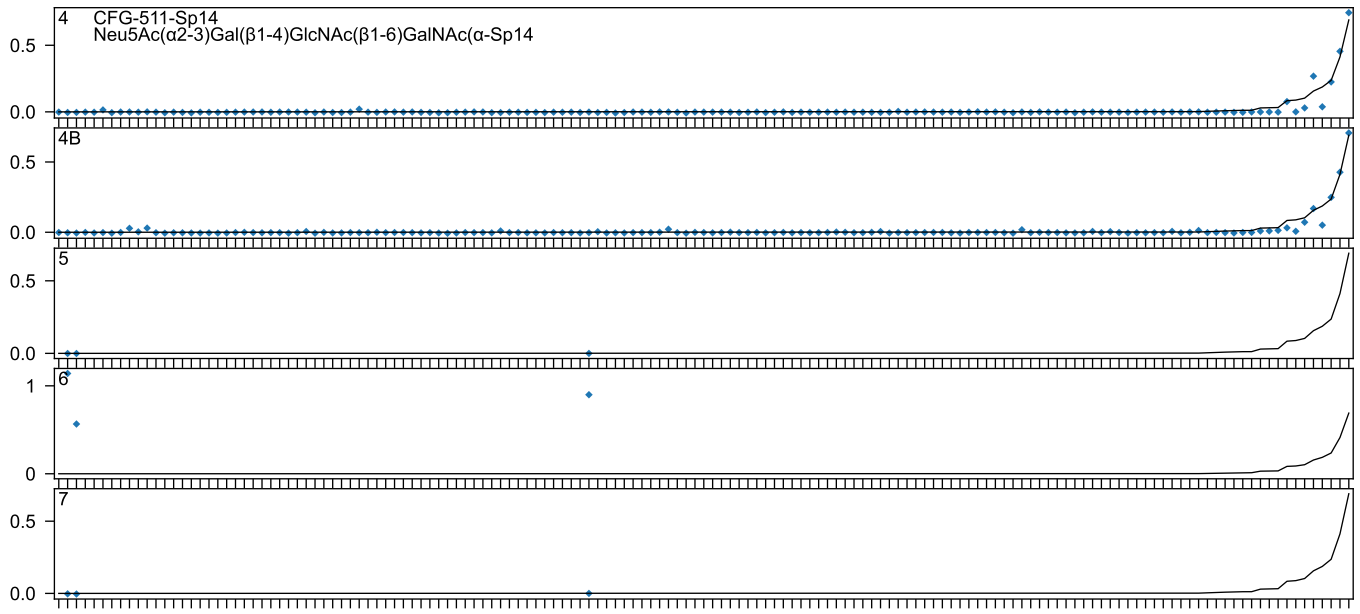

4 CFG-506-Sp19
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)]Man(α1-6)[Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc
4B
5
6
7
0.2
0.0
2
0
UEA I
UEA
TL(EY Lab)
DSL
GSL I-B4
GNA
HHA
ECA
CSA(EY Lab)
GSL I-A4
SNA
PNA
PTL-I
PTL-II
MAL I
MAL II
PTA-Gal
MAA(Seikagaku)
UEA II
LEA
UDA
DBA
PHA-E
PHA-L
MNA-N
GS-II (EY Lab)
PhoSL-001
PhoSL-002
WGA
ABA
SBA
ABC
AIA
HA70 complex-Alexa
#14 Sialyl Lewis X (Calbiochem)
#8 Lewis B (Calbiochem)
CA19-9 Ab (DSHB)
MGL 6A-H2B1
PHA-E
PHA-L
CAA
CNA
AF-CNVH
VAR2CSA-Fc
VLRB aGPS 2B
hGal-1-488+GCS
Sialoprotein-488
Epa1-Np mutant Y228A
WT-Fc
CGC
#15 Sialyl Lewis X (BD)
Sjo Serotype MOA
VGA(EY Lab)
VGL(EY Lab)
ESL
Mouse NKT Lab
Epa1-Np mutant Y228W
Epa1-Np mutant H227A
WT Native
PsSC
Epa1-Np mutant E227A
CA19.9-Fc-Alexa
TSA
TCN
Mono1-CN
LBL-182
LBL-183
Gal-3
Mono2WT
GNT
PHT
APA
MGL 6B
Thrombo
MIP
GNF
Epa1-Np WT
CCL
CA19.9-127
PHA-E
SSB1
RCAI (Vector)
DBL
EEA(EY Lab)
hAG-1-488
Microvirin
Native WFA
GNA (EY Lab)
UpTBL1
CC1G-1007
NPA
VVA
WGA
rNV-VLP-Cy3
Galectin-3
WGA(Seikagaku)
MET(detected with a-HUD)
SpTEB8
P11 VP8
Mouse Galectin
WT Galectin-8
ME5(detected with a-HUD)
PMV
HHA Native
Con A
Agn-Lec
DC-ASGPR short
Human Galectin-1
CA
SNA
CGA
Con A
human-Galectin-7
CA19.9-18844
WGA mutant
WGA
mouse Gal-7

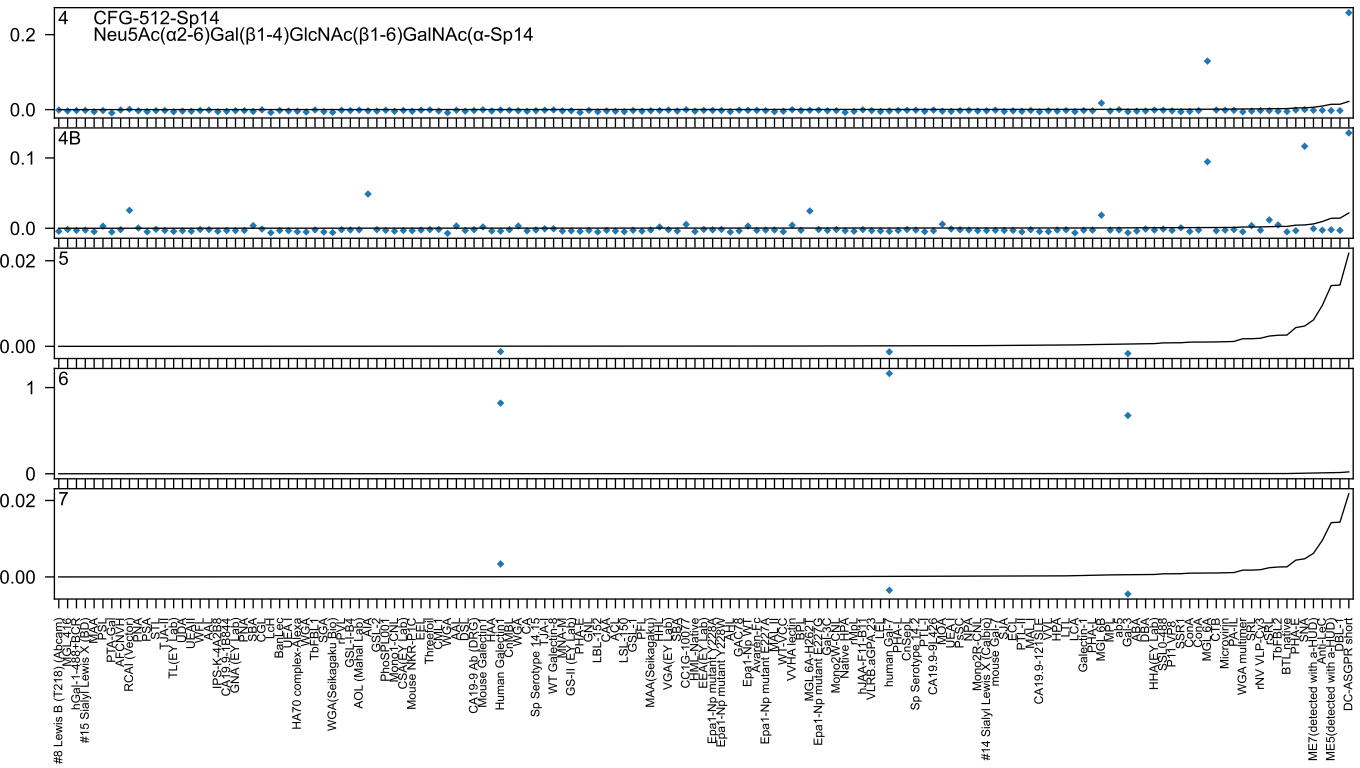

4
CFG-507-Sp24
GlcNAc(β1-6)[GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
1
0
SVA
SNA
HAA
PHA
PNA
CSA(EY Lab)
GSL-I-B4
GNA (EY Lab)
NPA
MAA
BPL
PSL
PTA
MGL 6A
RCAI (Vector)
DBA
DBL-1
TJA-I
TL(EY Lab)
UEA-I
UEAII
VVL
VGA(EY Lab)
VGA
VGA
GNL
Human Galectin-2
Sp Serotype 4 (12)
#14 Sialyl Lewis X (CarbBiosciences)
#15 Sialyl Lewis X (BD)
ACL
AOL
Morg1-CNL
WGA(Seikagaku Biobusiness)
#8 Lewis B (T218) (Gemini)
LSL-150
SSLD-488
MAA(Seikagaku Biobusiness)
Epa1-Np mutant E227A
GNA
Mouse NKR-P1C
Epa1-Np mutant K204Y
PHA-E
Morg1-Li
PTL-II
Mono2R-Li
Sp Serotype 14 (15)
ACL
AOL
P11
Vpe
CA19-9 Ab (Lab)
AEG
ACONA
VLRB.aGPC3
CGB
LBL-152
SSL
MAL1
hMAA-F-H-B11
MAA-F-H-B44
CA19-9-B844
CA19-9-B108
hGal-1-488-BCR
SBA
SBA
Galectin-8A
SGA
SGA
Epa1-Np
Epa1-Np mutant E227G
SJA
Galectin-3C
HPA
MGL-416
EEA(EY Lab)
Jacalin
VVHA
Mono2W-CNL
CA19.9-121
SLE
HA70 complex-Alexa
Native EPA
Mono2R-CNL
UEA
Avarren-Fc
Cap3
DC-ASGPR-Spot
HNV VVHA
HHA(EY Lab)
PhoSL-L001
WGA
PTA-C
MAL II
IPS-K-4A288
BaeLe
human Galectin-7
mouse Galectin-7
Mouse Galectin-1
Anti-LeC
Epa1-Np mutant Y229A
CAA
CGA
HML-Native
WGA mutant
DSL
GC1G-10072
GS-II (EY Lab)
ME7(detected with a-TUD)
VGA
PNA
ME5(detected with a-TUD)
RIC
RBL
CGB
CGA
AOL (Mab)
Tb
TBL2
SSR1
BTL
Tn-Native
PSA
AAA
LCH

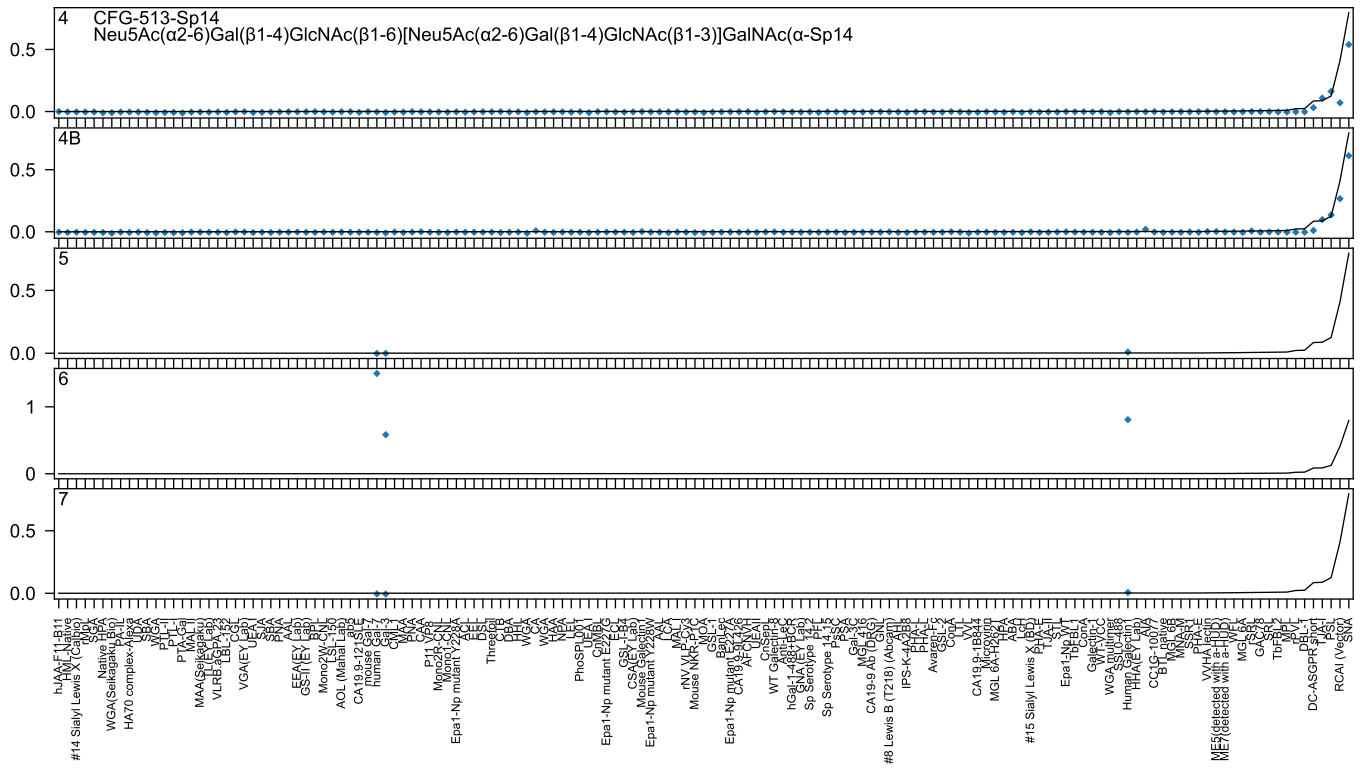

4
CFG-508-Sp21
Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp21
4B
5
6
7
0.0
0.5
2
0
AIA
LAA
MAA
MAA(Seikagaku)
ECA
GSL-I
PNA
PHA-E
#14 Sialyl Lewis X (Calbi
SBA
Lab
TL(EY Lab)
ACL
MPA
UEA
AOL (Matsu
ECL
PhoSpl
DBA
AGA
Lab
EEA(EY Lab)
ACL
PHA-L
GS-II (EY Lab)
CA19.9-121-SLE
LBL
SBA
PNA
MGL 6A-H2
LT
HMW Thrombo
Sp Serotype 14-15
CA19.9-M-72
CA19.9-M-73
TSI
TAC-78
GAL-8
HA70 complex
VVL
KGI-88
Epa1-Np mutant Y228V
Epa1-Np mutant E227G
Sp Serotype NST 155
aGS
WT Galectin
aGS
NGI-416
CSA(Calbi)
PHA-E
#8 Lewis B (T218) (Abcam)
IPS-K-1A288
CA19-9 Ab (PAS)
VLRB.aGPA.23
CA19.9
PsaC
CA19.9-1B78
SSL-1
DSL
MCL-B
MGL-BA
UAC
hGal-1-488+BPA
Native BPA
PSA
AEL
MNA-N
hJAA-F-FITC
Mono1-CH
Mono2R-CN
GSL-I-B4
#15 Sialyl Lewis X (IBD)
PHA-E
Mono2-DFB
GSL-I-B4
Epa1-Np mutant E227A
PHA-L
GAL-2
MPL
WT-VOC
SSB3
P11
APCNVH
rNV VLP-CH
Epa1-Np mutant Y228A
Epa1-Np WT
Mouse Microvilli
DC-ASGPR short
Galectin-1
GNA (EY Lab)
KPA
Trabve
BTL Trabve
CGL
Mouse NKR-P1C
Banlec
Human Galectin1
DSL
ME7(detected with a-HUD)
HHA(EY Lab)
CAA
Concan
VVHA(Calbiochem)
WGA
Avarellin
ME5(detected with a-HUD)
human Gal-2
CCL-10077
RCA(Vector)
NPL
Bpc
Anti-Sialyl Lewis X
CnSepl
mouse Gal-4
VFL
WGA(Seikagaku)
WGA
WGA multimer

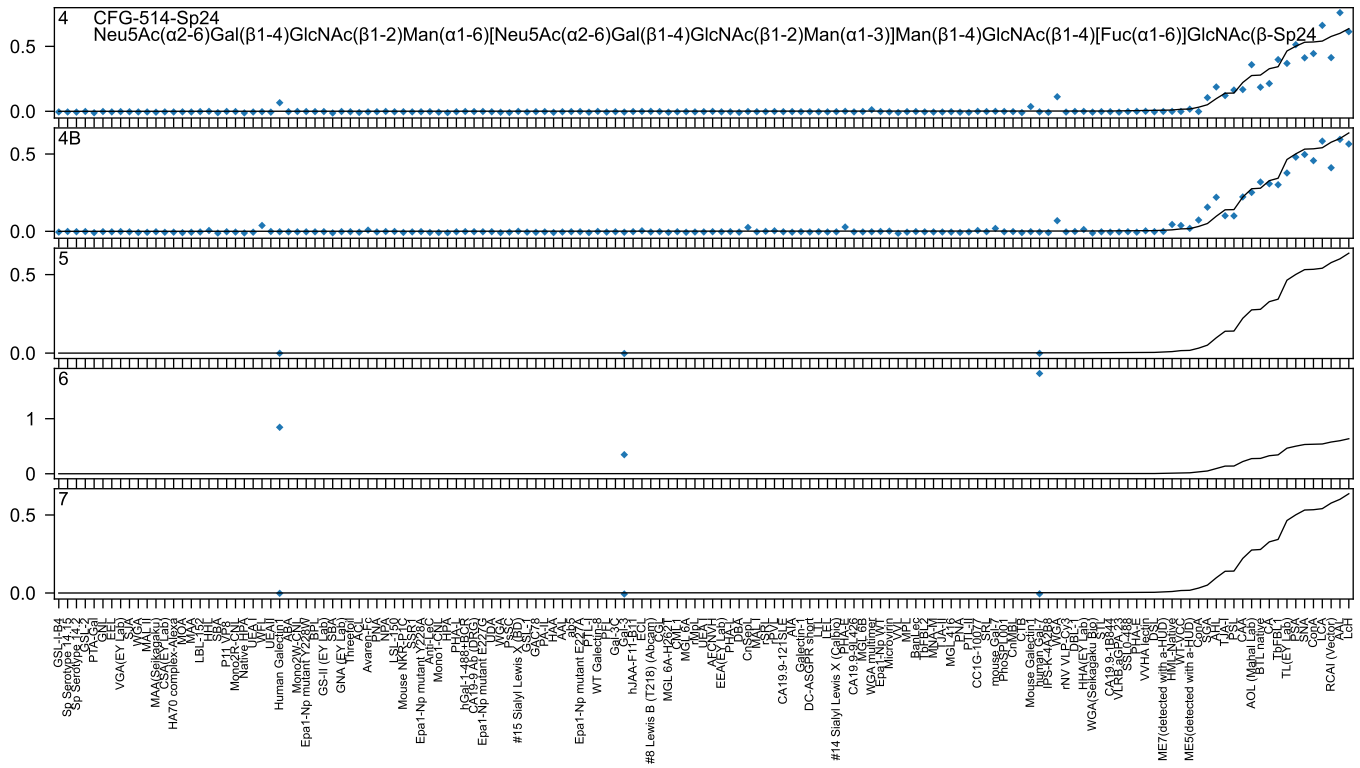

4
CFG-509-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)]Gal(β1-4)Glc(β-Sp21
4B
5
6
7
0.25
0.00
1
0

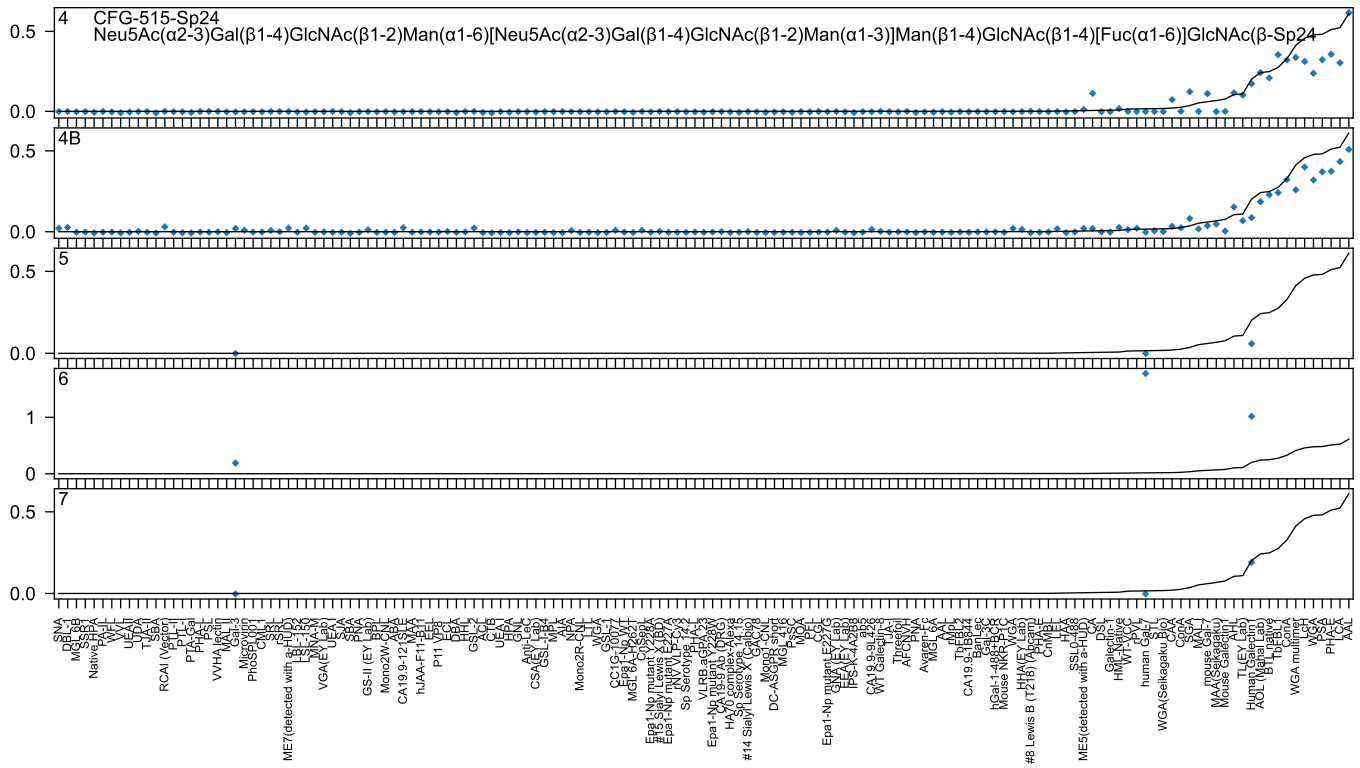

4
CFG-510-Sp0
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.05
0.00
1
0

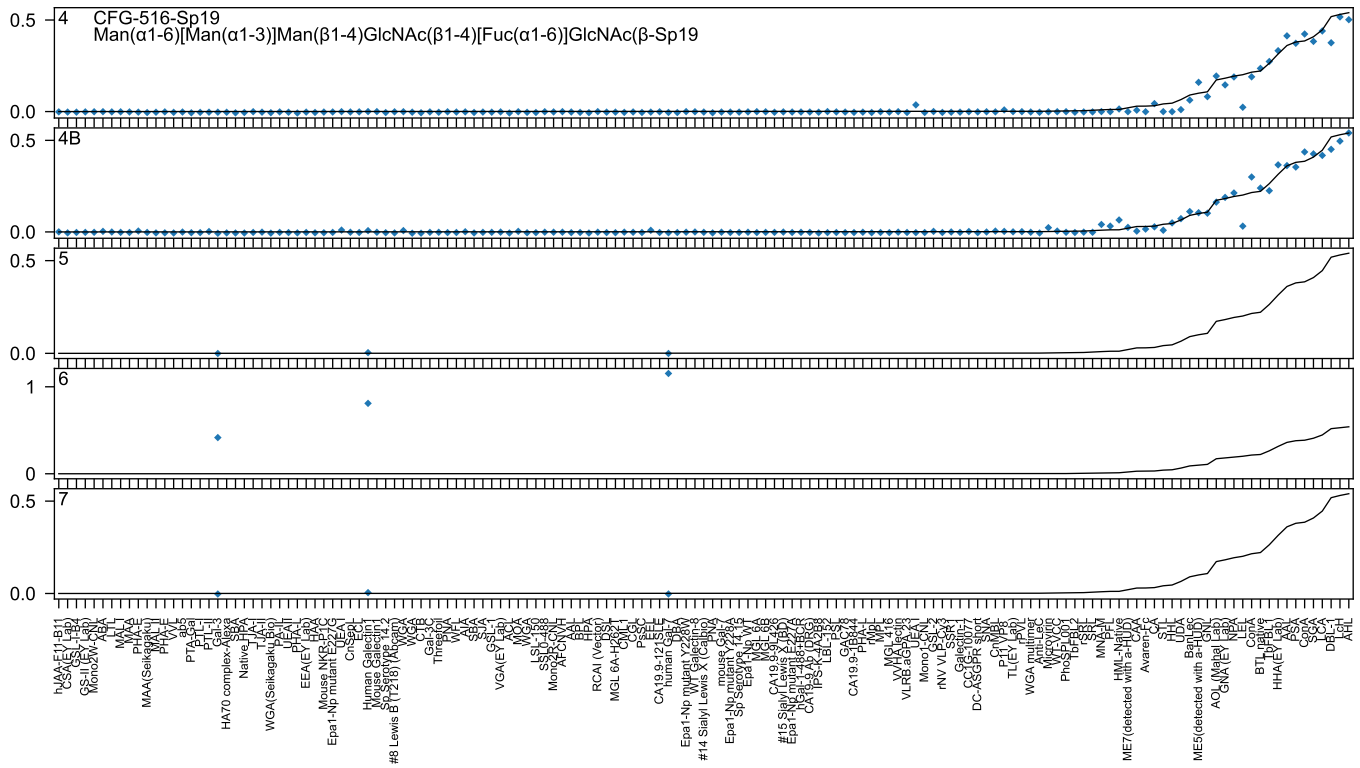

4
CFG-511-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
h/MAA-F11-B11
human Gal-3
Gal-3
HA70 complex-Alexa
PhoSP-001
AAL
FAL
mouse Gal-1
WVA
TL(EY Lab)
LAA-I
PSA
PTL-I
PTL-II(EY Lab)
Micromab
aDS
AOL (Matal 1-42)
SC Serotype 1-42
CA19-9 aS (DRG)
#15 Sialyl Lewis X (Calbio)
#8 Lewis B (1-218) (Abcam)
ME7(detected with p1-102)
LSL-I-B4
WT-ACE
VGA(EY Lab)
MVA-N
UEA-I
SSA
PNA
PHA-L
EEA(EY Lab)
GS-II(EY Lab)
PHA-E
PSL
CSA
GSL-I-B4
WGA
CnoBP
VGA
MALI
CHA
GNA
CA
Human Galectin-8
PHA-L
ACE
MAA
GSL-I-B4
Mouse NKR-P1C
UEA-I
Gal-3C
Threelgal
CA19.9-Y-126
Epa1-Np mutant E227G
Epa1-Np mutant 1-156
Sp Serotype 3-13
HHA(EY Lab)
HMT Native
RCA(Vector)
AOL
Epa1-Np mutant 1-156
hGal-1488-3BGS
Epa1-Np mutant 1-156
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant G
Epa1-Np WT
BPL
TcBL
PVL
Mono2W-CNL
BC2
VLRB.aGP.C1
CA19.9-121SLE
Mouse Galectin-1
PTA
PTL-II
MOA
WGA(Seikagaku Bio)
GNA-I-B4
LBL-I-B2
Galectin-7
Galectin-4
Avaren-Fc
Mono2R-CSB1
SBL
Native HPA
VVA Vector
Anti-LBC
ME5(detected with p1-102)
TJA(I)
DBL-I
MAA(Seikagaku)
SSA-F488
MGL 416
WGA (Bulbose)
CCA (Bulbose)
LEL
MGL 6A
WGA
SJA
MGL 6A-H
MGL 6A
DC-ASGPR short

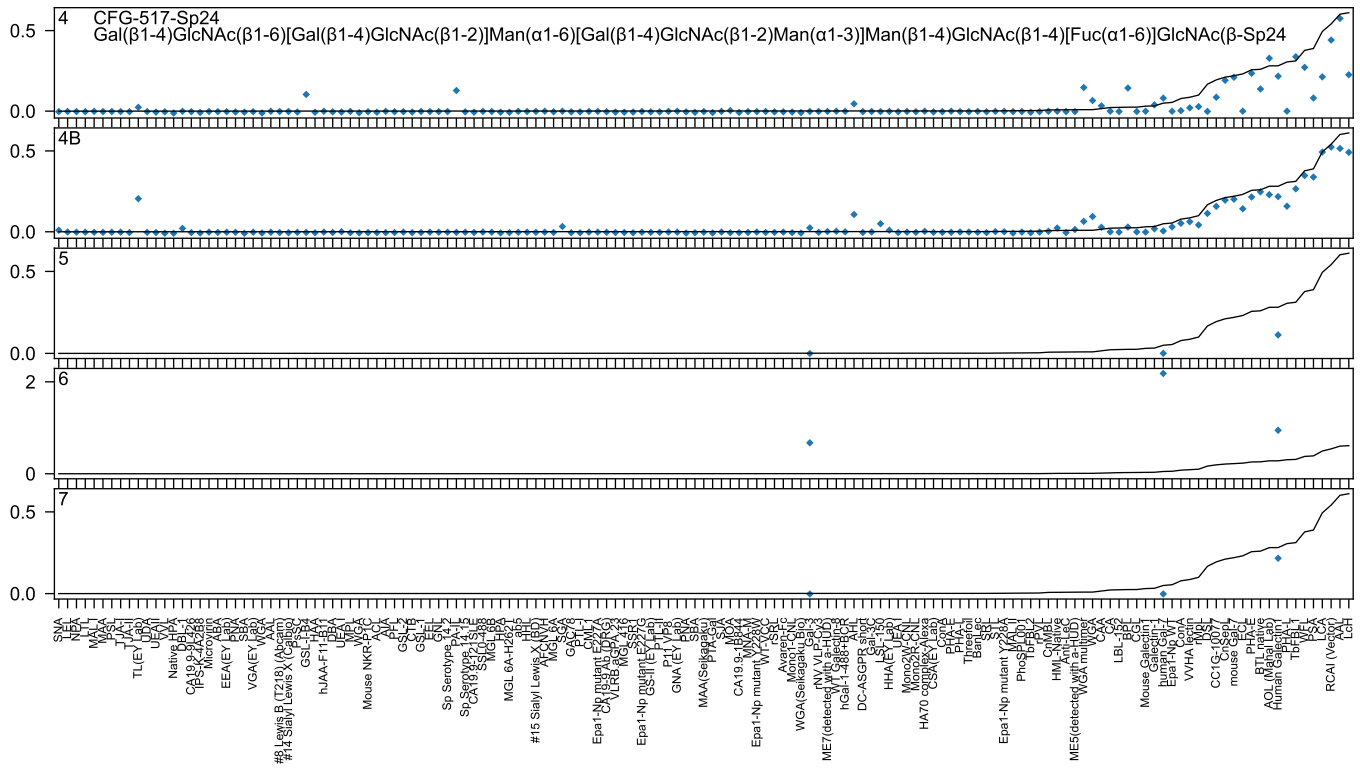

4
CFG-512-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
0.1
0.02
0.00
1
0
#8 Lewis B (T218) (Mucan)
#15 Sialyl Lewis X (Kyo)
hGal-1-488+PBS
PSA
PTA
ACONP
RCA(Vector)
PSA
JAT
TL(EY Lab)
UEA
VVL
IPS-K-4A288
CAN(EY Lab)
PNA
SBA
LCH
Bauhinia
UEA1
HA70 complex-Alexa
TbPBL1
WGA(Seikagaku)
PVL
AOL (Mahal Lab)
GSL-I-B4
GNA
PhoSP-001
MOPC-Con
Mouse NKR-P1C
Threonin
OAA
VVLA
AAL
CA19-9 Ab (DRG)
Mouse Galectin-1
Human Galectin-1
CNBL
WGA
CA
Sp Serotype 14.15
WT Galectin-8
GS-II (EY Lab)
PHAE
LBL-192
CAA
LSL-150
GSL-I
MAA(Seikagaku)
VGA(EY Lab)
CC1G-1897
EEA(EY Lab)
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
GAC-78
Epa1-Np WT
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Mono2R-CNA
Native HPA
hAA-F11-B11
VLRB.aGPA-23
human Gal-7
CnSP-1
Sp Serotype 14.2
CA19.9-9/-426
UEA1
PSSC
Mono2R-CNA
#14 Sialyl Lewis X(Calbio)
mouse Gal-7
LYA
ECL
PNA
MAL-I
CA19.9-12/-52
SLE
HPA
LCA
Galectin-1
MGL-6B
Mp-1
Gal-3
DBA
PNA
HHA(EY Lab)
P11 (YBB)
SSR1
ConA
MGL-1B
Microvilin
WGA multimer
rNV VLP-SSR1
BTL
TbPBL2
PHAE
ME7(detected with a-HUD)
ME5(detected with hPBLT)
DC-ASGPR short

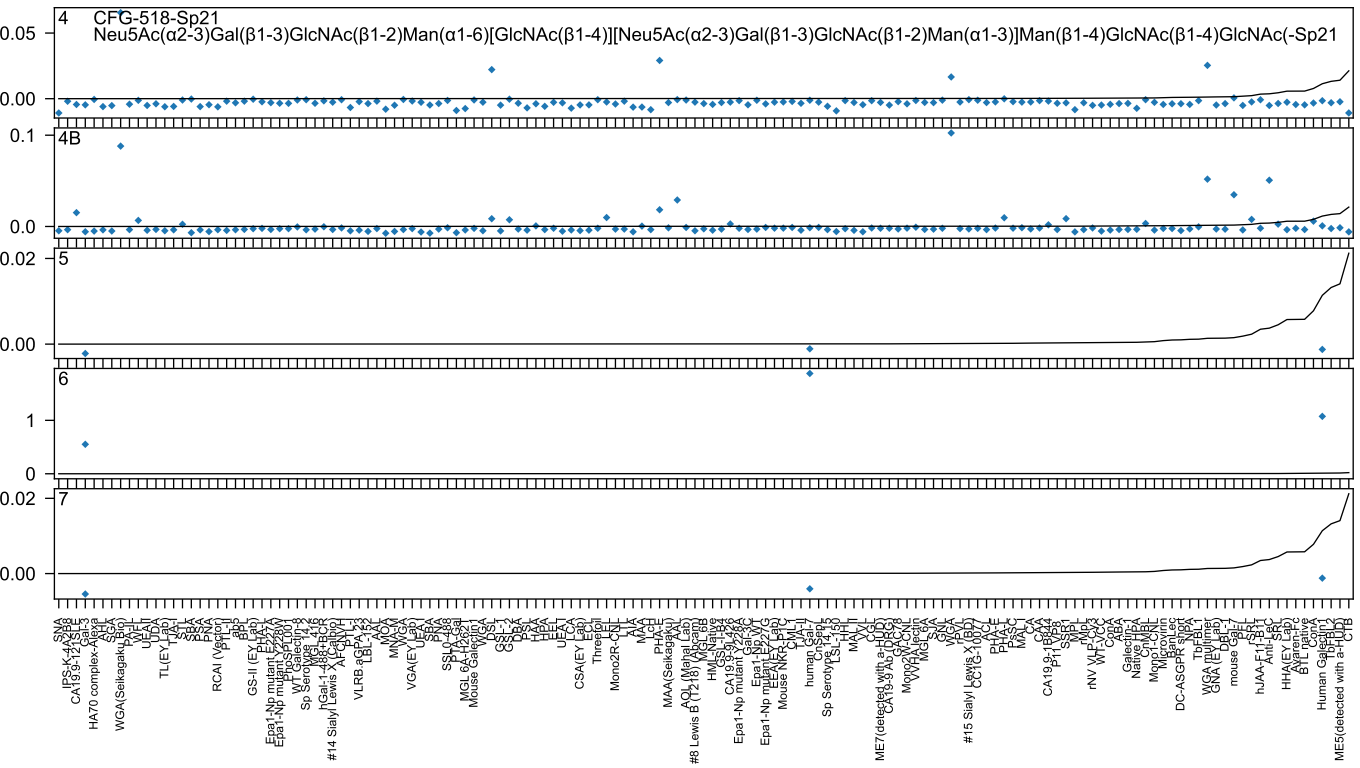

4
CFG-513-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.0
0.5
1
h-MAF-F11-B11
hAM-N-1-A11
#14 Sialyl Lewis X (Calbio)
IgA
Native HPA
WGA(Seikagaku)
PA-IL
HA70 complex-Alexa
SBA
WGA
PTL-I
PTL-II
MAL
MAA(Seikagaku)
VLRB aGPA 23
LBL-CGE
VGA(EY Lab)
UEA
SNA
SBA
AAL
EEA(EY Lab)
GSL-I(EY Lab)
BPL
Monoz2W-CNL
AOL (Mahal Lab)
CA19.9-12-1-SCE
mouse Gal-7
human Gal-3
Gal-1
CVN
PNA
VVA
P-11
Monoz2-CNL
Monoz2-CNL
Epa1-Np mutant Y228A
ECL
DSL
Threo(rp)
DBA
PHA
WGA
WGA
WGA
HAA
NPA
PhoSPL-D1
CVN
Epa1-Np mutant E227G
GSL-I-B4
GSL-I(EY Lab)
Mouse Siglec-1(EY Lab)
Epa1-Np mutant Y228W
PCA
MAL-I
rNV VP1 (MAL)
Mouse NKR-P1C
GNO-A
Epa1-Sc
Epa1-Np mutant Y228A
CA19.9-12-1-A
AF-CNL-N1
CnSepl
WT Galectin-8
hGal-1-488+BCR
SNA(EY Lab)
Sp Serotype 14-SC
PFL
Sp Serotype 14-SC
PSA
PSA
CA19-9 Ab (DSQ)
MGL-416
Gal-1-416
#8 Lewis B (T218) (Abcam)
IPS-K-4-2B8
PHA-L
PHA-L
Avarep-Fc
GSL-2
Cnoc-6
VVA
CA19.9-1B44
Microvirin
MGL 6A-HRP
HPA
ABA
#15 Sialyl Lewis X (BD)
PHA-E
PHA-E
STL
Epa1-Np BPL
BPL(-)
ConA
Galectin-1
WFA/CC
WGA(mutant)
Human Galectin1
HHA(EY Lab)
AP
CCL-100/77
BTA
Galectin
MGL
MNA-M
MNA-M
PHA-E
VVA-HA (Boch)
ME5(detected with a-HUD)
ME7(detected with a-HUD)
MGL-6A
VEA
GNA
GSL-I
SSR
Tomato
PNA
PVF
DC-ASGPR-FL
Bauhinia
PAL
LAT
RCA I (Vector)
SNA

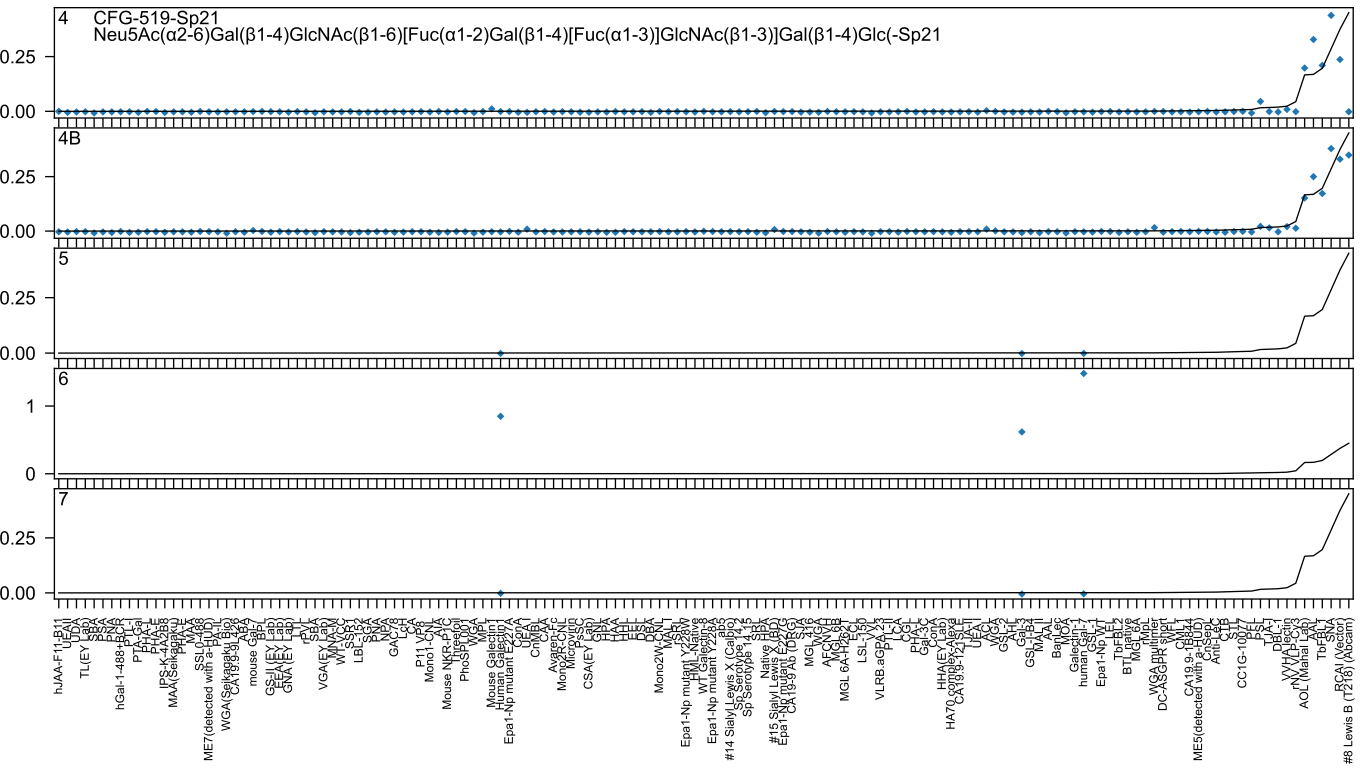

4
CFG-514-Sp24
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
1
0
Sp Serotype 14-1
Sp Serotype 14-2
Sp Serotype 14-3
PNA
Sal
GNL
VGA(EY Lab)
VSA
WGA
MAL II
MAA(Seikagaku)
ASA(EY Lab)
HA70 complex-Alexa
MVA
LBL-I
LBL-II
SBA
VCA
Mono2R-VCA
Native PPA
UEA I
VFA
LEA(I)
Human Galectin-1
ABA
Mono2V-ABA
Epa1-Np mutant E227G
BPL
GS-II (EY Lab)
SBA
GNA (EY Lab)
Alo
Tri-Alo
Avarelin
PFC
NPA
LSL
Mouse NKR-P1C
Epa1-Np mutant E227G
SSA61
Anti-Tac
Mono1-CBA
PHA-L
PHA-E
hGal-1 48R-CBA
CAA(Lectinity)
Epa1-Np mutant E227G
WGA
VVA
#15 Sialyl Lewis X (Galbio)
PNA
GSL-I(B4)
GSL-II
GNA
Ala
HAA
Ape
Epa1-Np mutant E227A
PTL-I
WT Galectin-8
PSL
Galectin-3
hJAA-F11-BD1
#8 Lewis B (T218) (Abcam)
MGL 6A-H260T
CMTI
MGL
Man
ACA
AEA(EY Lab)
EEA(EY Lab)
PHA-P
DBA
ChSA
ChSAP
MSL
SNA
CA19.9-12-FS-E
ALA
Galectin-1
DC-ASGPR ecto-1
LTL
#14 Sialyl Lewis X (Galbio)
GSL-IV
CA19.9-GSL-2E
MGL 6B
WGA multimer
Epa1-Nm mutant
Microvirin
MPL
Barley
MVA
MVA-M
MGL-I
JA-II
PNA
CC1G-T0074
SRL
Mouse Galectin-1
ProtoS-CBD1
CnMBP
Mouse Galectin-1
human Galectin-4
Human Galectin-4
WGA
rNV VP1
rNV VP0
HHA(EY Lab)
WGA(Seikagaku Bio)
CA19.9-18-B-H
CA19.9-GSL-2E
VLA-1
SSG-468
VVHA
HAA-E
DSL
ME7(detected with a-Hu)
VIA (Native)
WT-DDS
ME5(detected with a-Hu)
EcorA
SGA
TJA-I
TJA-II
CAA
AOL (Nanal Lab)
BTL (Nanal Lab)
TcVFBL-1
TL(EY Lab)
BPA
SNA
CCA
LCA
RCA I (Vector)
AAL
LCH

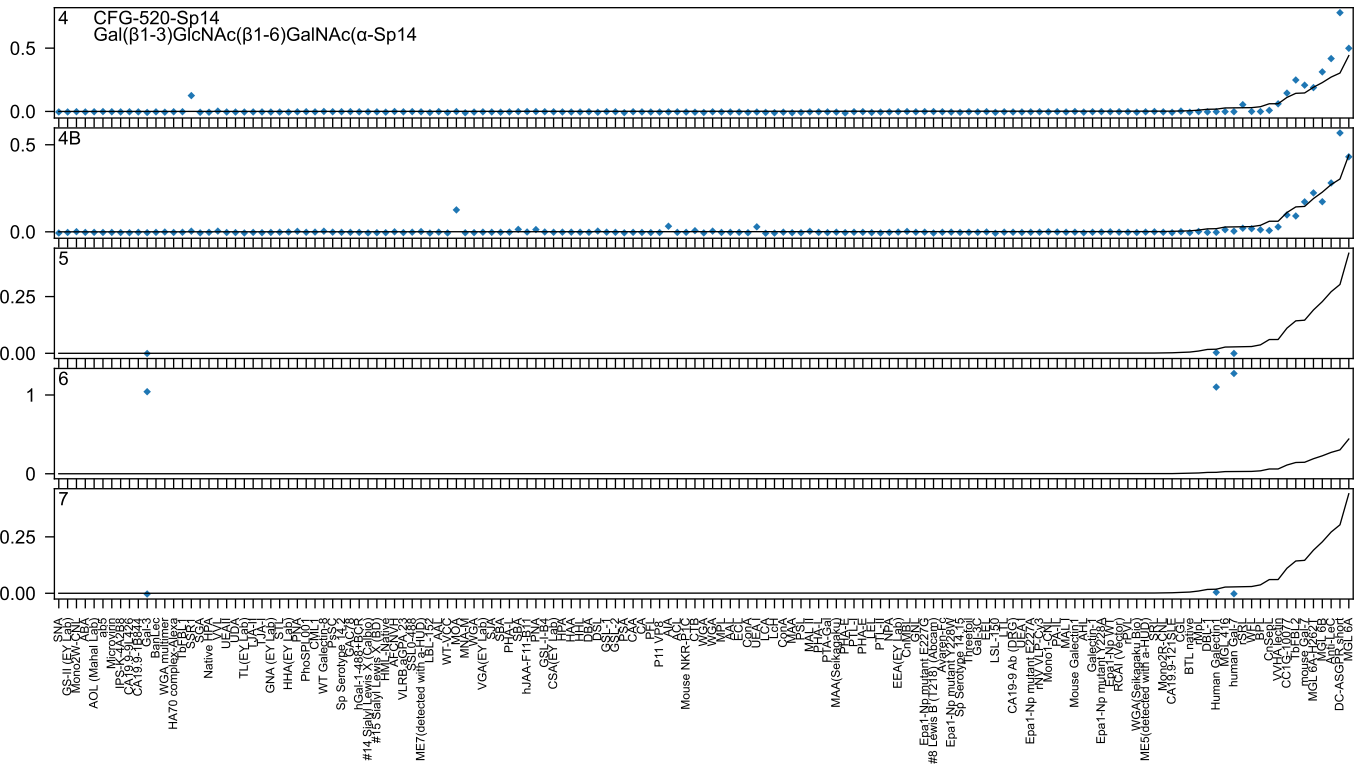

4 CFG-515-Sp24
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
1
0
SNA
DSL
MGL-6B
SSA
Native
PAL
PAA
VVL
UEA
TJA-I
SBA
RCA I (Vector)
PNA
PTA-I
PTA-Gal
PHA-L
PHA-E
VVHA (lectin)
Man-1
Man-3
Mistoxin
PhoSL
CNL1
CNL
SBL
ME7(detected with a-HUD)
LBL-1B2
LBL-1B3
LBL-1B4
VGA(EY Lab)
MVA-N
ZEA
SNA
PRA
GS-II (EY Lab)
Mono2W-CNL
CA19.9-12(SPE
MAA
hJAA-F11
PEL
P11
VCB
DBA
GSL-2
ACG
UEA-B
UEA
HPA
Anti-LeC
CSA(EY Lab)
GSL-1 Lab)
MPL
NPA
Mono2R-CNL
WGA
VGA
GSL-1
CC1G
Epa1
Epa1-Np WT
MGL 6A-Sp27
Epa1-Np mutant V228A
Epa1-Np mutant Lewis x (L287A)
Epa1-Np mutant (L287A)
SNV(TLE-Cx3
Sp Serotype
BHA-E
VLRB a(GAL)
Epa1-Np mutant (V228A)
CA19.9 Ab (CRO)
HA70 sample-Alert8
#14 Sialyl Lewis X (Calbio)
DC-ASGPR short
MGL 4A-Sp
PSA
NPA
Epa1-Np mutant(EY Lab)
GNA(EY Lab)
PSA(EY Lab)
IPSA(EY Lab)
CA19.9-a-L228
WT Galectin-1
TJA-I
APCS(V)
PNA
Avr SIL-A
WGA
AAL
TJA-II
CA19.9-Sp244
Barley lectin
Gal-3C
hGal-1 48-Sp
Mouse NKR-P1C
CHA
HHA(EY Lab)
VGA
#8 Lewis B (T218) (Abcam)
CHA-E
LEL
SSL-I 188
ME5(detected with a-HUD)
DSL
Galectin-1
HHA(EY Lab)
WT-VCE
human Gal-7
STL
WGA(Seikagaku)
BAA
CGA
MAL
MAA(Mouse Gal.)
Mouse Galectin-1
TL(EY Lab)
Human Galectin-1
AOL (Bacterial lectin)
Barley
ToBLA
WGA multimer
VGA
PSA
PHA-E
AAL

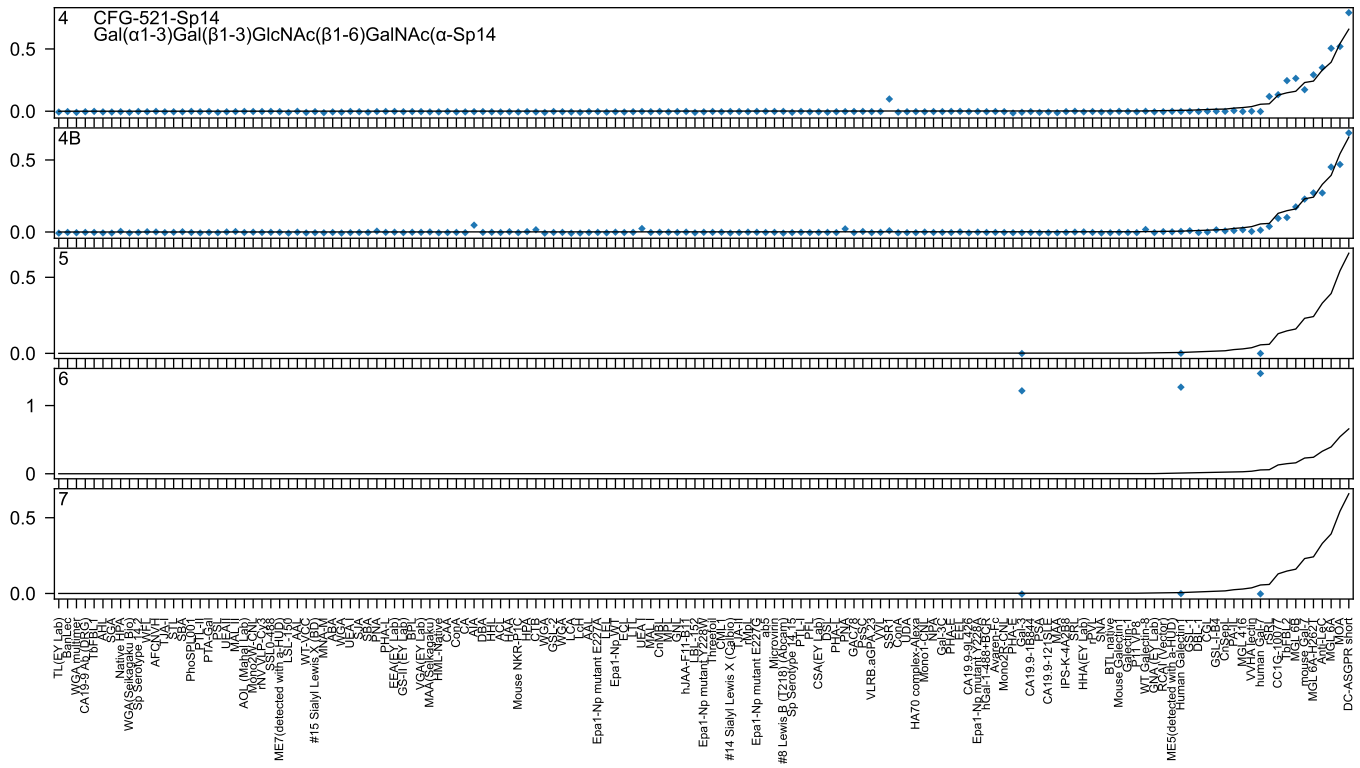

4
CFG-516-Sp19
Man(α1-6)[Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp19
4B
5
6
7
0.5
0.0
1
0
hMAE(EY Lab)
USA
GSL-I-B4
GS-I-B4
Monoclonal
AGA
MAL I
PNA-E
MAA(Seikagaku)
PNA-F
VVL
PTA-Bai
PTL-I
Gal-3
HA70 complex-Alexa
Native-PNA
TJA-I
WGA(Seikagaku,Bio)
UEAII
EEA(EY Lab)
EAA
Mouse-NKR-P1
Epa1-Np mutant E227G
UEA I
Chicken
Human Galectin1
Mouse Galectin1
Sp-Sialyl(6) 14-2
#8 Lewis B (T218)(Abcam)
WGA
Gal-3C
Thrombo
WFA
SBA
SNA
SJA
GSL-I
VGA(EY Lab)
ACA
MGA
SSL-188
Mono-Sialo-CNL
APCYAH
BPL
RCA I
RCAI (Vector)
MGL 6A-H
DSA
CGL1
PSA
PCL
EEL
CA19.9-127
human Galectin-7
Epa1-Np mutant Y228A
WFA
Galectin-8
#14 Sialyl Lewis X (Cabrio)
mouse Galectin-7
Epa1-Np mutant T223S
Sp-Sialyl(6) 14-2
Epa1-Np WT
MGL 6B
CA19.9-9-1-26
#15 Sialyl Lewis A (Abcam)
Epa1-Np mutant E227A
CA19.9-46-1-RCC
CA19.9-46-1-PDAC
iPS-K-A/288
LBL
PSL
CA19.9 GAC-2
PHA-L
MPL
MGL 418
VLRB aGalNAc
UEA I
Mono GSL-2
nNV VL PSA3
Galectin-1
DC-ASGPR
CGL 0077
SNA
CGL 0078
PHA-E
WFA
TL(EY Lab)
WGA multimer
Anti-Lac
WFY(WO)
Phos-PP-P2
PP-P2
rSBL
MNA-M
PTL
HML-Nucleoplasmin
ME7(detected with a-HUD)
Avarec
CFA
CA
SJL
UDA
Bacillus
ME5(detected with a-HUD)
LEL
AOL(Malbal Lab)
GNA(EY Lab)
NEA
ConA
BTL
DBPLT
HHA(EY Lab)
PSA
SCA
SSA
DCA
DSL
GH
AHL

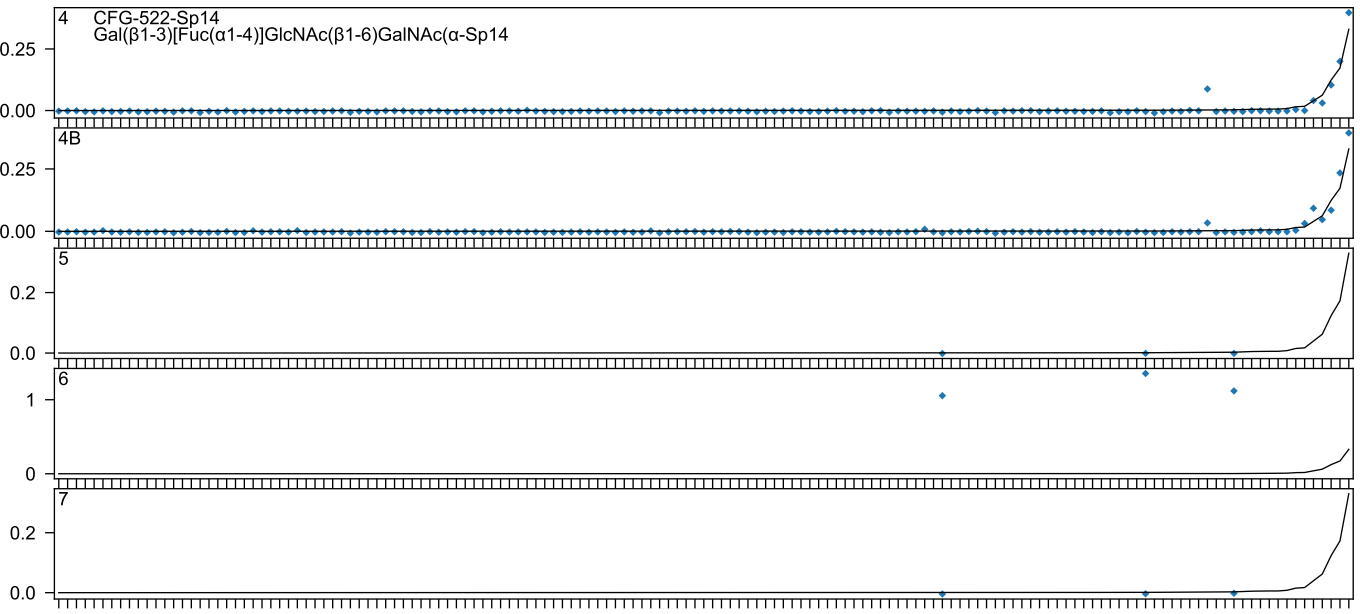

4
CFG-517-Sp24
Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
2
0
SNA
NPA
ACA
MAL I
MAA
TJA I
TJA II
TL(EY Lab)
UDA
PWM
UEA I
Native PHA
CA19.9-PE
CA19.9-FITC
IPSK-4A288
Mouse IgM
EEA(EY Lab)
RCA
SBA
VGA(EY Lab)
WGA
AAL
#8.1 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
GSL-I-B4
hJAA-F11
HAA
DBA
UEA
WGA
Mouse NKR-P1C
AIA
SJA
GSL-I-A4
STA
GSL-II
ECL
GNL
Sp Serotype PA-IE
Sp Serotype 1-1-E
CA19.9-FITC
SSG-488
MGL-HPA
MGL 6A-H2621
HIP
#15 Sialyl Lewis X (R7)
MGL-BA
GSL-IV
PTL-I
Epa1-Np mutant E2017
CA19.9 Ab (PDR-2)
CA19.9-PE
MGL 416
Epa1-Np mutant E2025
GS-II (EY Lab)
P1 Vp8
GNA (EY Lab)
PNA
SBA
MAA(Seikagaku)
PHA-L
SJA
CA19.9-IgM
Epa1-Np mutant WT
Epa1-Np mutant W7-2200
SSL
Avare-SS
Mono1-CNL
WGA(Seikagaku)(Bio)
INV VLP-CX3
ME7(detected with anti-HUD)
hGal-1-488-BCR
DC-ASGPR short
Sa-1-30
LEA
HHA(EY Lab)
Mono2W-CNL
Mono2R-CNL
HA70 complex(EY Lab)
CSA(EY Lab)
PCA-E
PCA-I
PHA-L
Tetanol
Bacillus
SSL
Epa1-Np mutant Y2004
PhoSL(Ab)
PhoSL(Ab)
TbFBP2
CrM
HML-Native
ME5(detected with anti-HUD)
WGA mutant
VVA
CAA
LBL-1
LCA
BSL
Mouse Galectin-1
Galectin-1
Epa1-Np WT
ConA
VVHA
PNA
CC1G-10097
CnSep4
mouse Galectin-1
PHA-E
BTL-A
AOL (Maltal Lab)
Human Galectin-1
TbFBL1
PSA
LCA
RCAI (Vector)
AXL
LCH

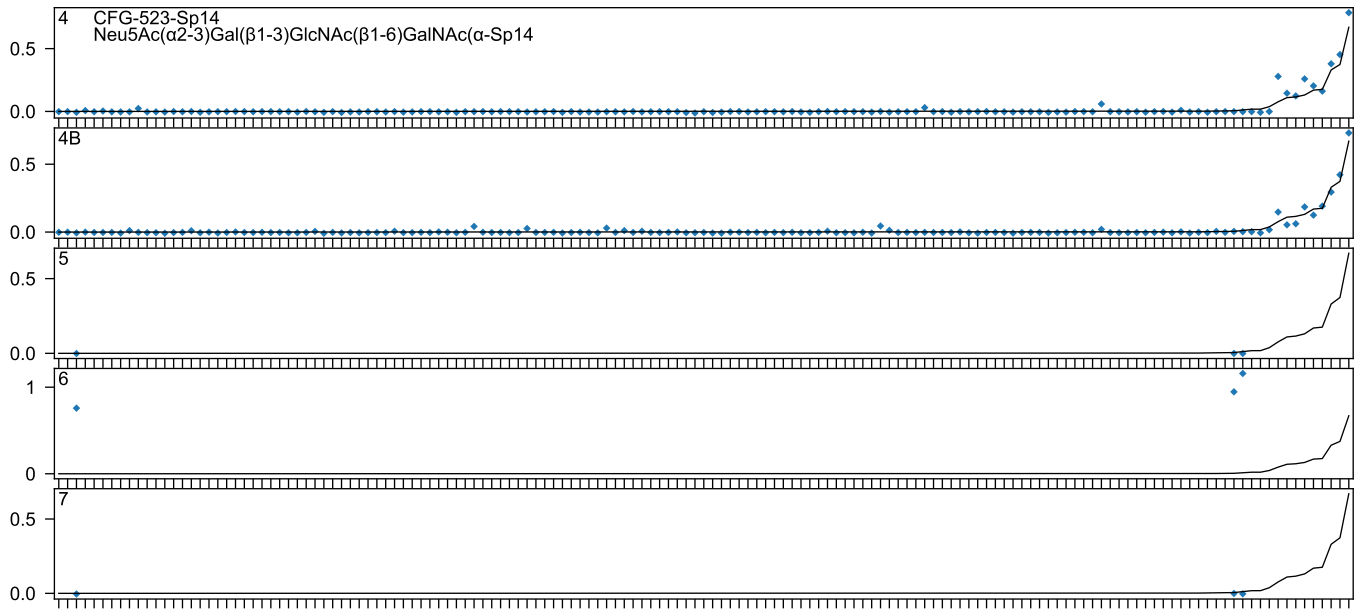

4
CFG-518-Sp21
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp21
0.05
0.00
4B
0.1
0.0
5
0.02
0.00
6
1
0
7
0.02
0.00
SNA
SNA
IPS-K-4
CA19-9-12
STE
Ala
HA70 complex-Ala
ASL
WGA(Seikagaku)
BKG
PNA
UEAI
TL(EY Lab)
TJA-I
SBA
PSA
RCAI (Vector)
PHA-L
BPL
GS-II (EY Lab)
Epa1-Np mutant_E227A
Epa1-Np mutant_E227G
PhpsPC001
Sp Galectin-8
Sp Galectin-3
WGA 4-18
#14 Sialyl Lewis x (Calbiochem)
VLRB aGPA-12
LBL-1
MOA
MVGA
VGA(EY Lab)
SBA
PNA
SSLO
PTA-sial
MGL 6-H2021
Mouse Galectin-1
WGA
GSL-I
GSL-2
DSL
HPA
LEA
EEL
UEA
CSA(EY Lab)
Lab
Threepio
Mono2R-OEL
DTL
MAA
PLA-D
PLA-H
MAA(Seikagaku)
AAL
AOL (Matsal Lab)
#8 Lewis b (12-18) (Calbiochem)
HMA
Galectin
GSL-I-B4
CA19-9-12
Epa1-Np mutant_Y228A
Epa1-Np mutant_E227G
Epa1-Np mutant_E227A
Galectin
Mouse NKT (EY Lab)
CMLV
human Gal-1
CnSepe
Sp Serotype 1-18
LSL-1-18
HPI
MAVL
ME7(detected with a-HUD)
CCP
CA19-9 Ab (DRG)
CA19-9
Mono2R-OCNL
VVA
Mono2R-ACNL
MGL-1
SJA
GNA
VFA
PWA
#15 Sialyl Lewis x (1-67)
CCR(B-1-67)
PHA-P
PHA-E
PaSC
MPA
CA19.9-1
PTA
P11-VP8
SVIB
MPL
rNV VP8
WT-CCC
CGB
Galectin-1
Native MGL
Mono1-ONL
Mono1-ACNL
Galectin
DC-ASGPR short
NNA
TbPBL1
WGA (Bulme)
GNA (Bulme)
DBL-1
mouse Gal-1
Gal-7
hJAA-F11-SRT
Anti-LeC
HHA(EY Lab)
Avaren-Fc
BTL native
Human Galectin1
ME5(detected with a-HUD)
CTB

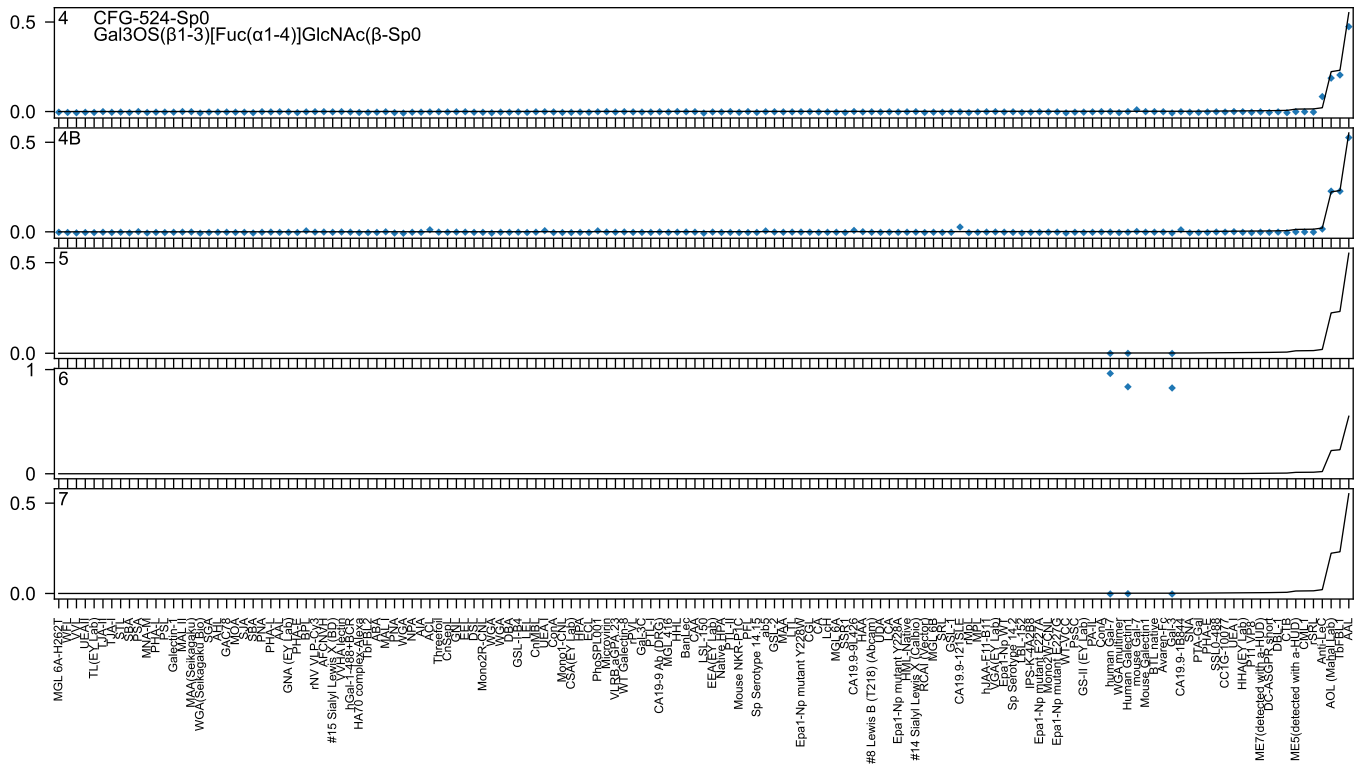

4
CFG-519-Sp21
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.25
0.00
1
0
hJAA-F11
TL(EY
hGal-1-488+BCR
PTA-Gal
IPS-K 42A5B
MAA(Seikagaku)
ME7(detected with a-PAU)
WGA(Seikagaku)
mouse
GSL-I(EY Lab)
GNA(EY Lab)
VGA(EY Lab)
Mouse NKR-A
Mouse Galectin
Epa1-Np mutant E227A
Epa1-Np mutant Y258N
Epa1-Np mutant Y258N
#14 Slaly1 Lewis X (Calbiochem)
Sp Serotype 14
#15 Slaly1 Lewis A (Abcam)
Epa1-Np mutant A156G
Epa1-Np Ab (156G)
Mono2W
Epa1-Np mutant Y258N
Epa1-Np mutant Y258N
Epa1-Np mutant abs
Sp Serotype 14
Native SBA
MGL 6A-H262
LSL-150
VLRB.aGPA
human Gal-7
Epa1-Np Wt
BT
Mouse
DC-ASGPR
CA19.9
ME5(detected with a-PUD)
CC1G-10
AOL (Mahal Lab)
#8 Lewis B (T218) (Abcam)

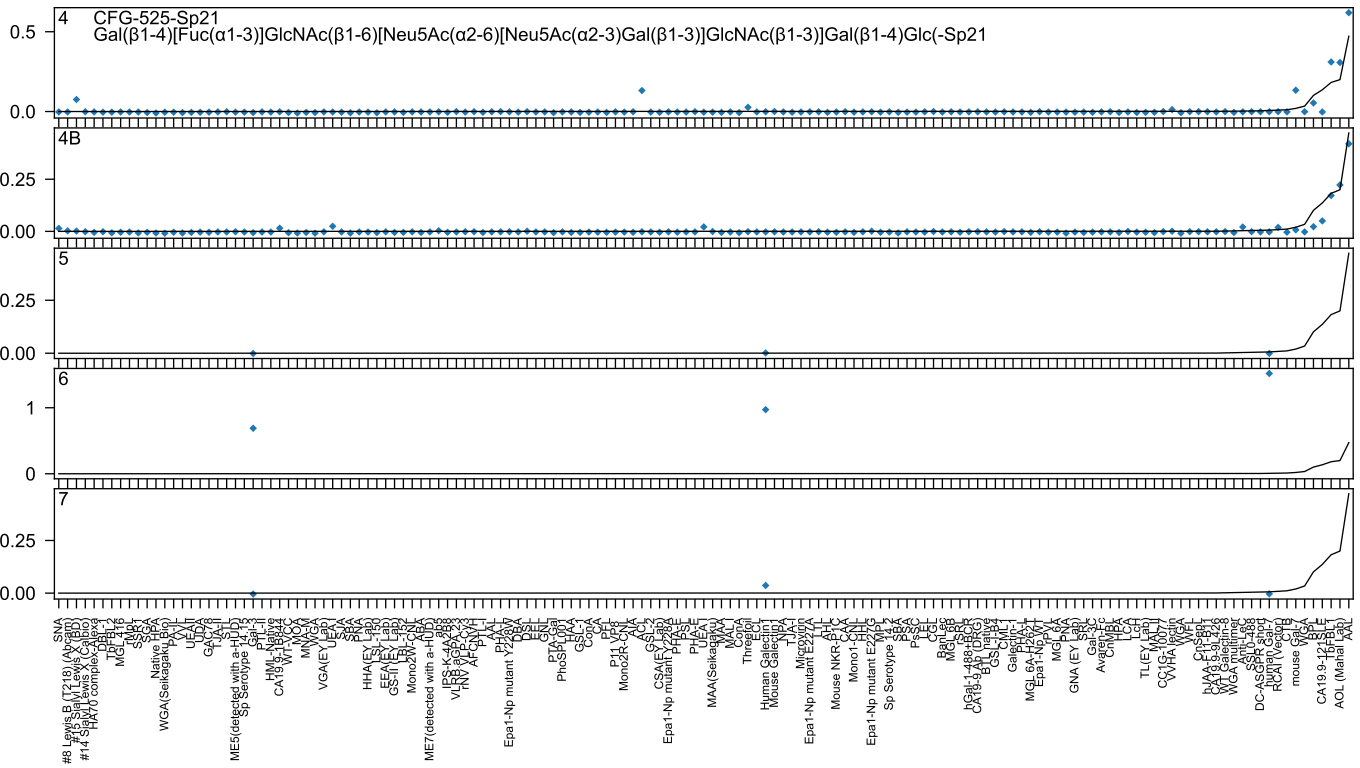

4
CFG-520-Sp14
Gal(β1-3)GlcNAc(β1-6)GalNAc(α-Sp14
0.5
0.0
4B
0.5
0.0
5
0.25
0.00
6
1
0
7
0.25
0.00
SNA
PNA
GS-II(EY Lab)
Mono2W-Cy3
AOL (Mahal Lab)
abs
Micro
IPS-K-42288
CA19-9 (Ab)
CA19-9 (Lab)
Gal-3
Bam1ec
WGA mutant
HA70 complex-Alexa
TF
SSA1
SSA
Native WGA
LVA
UEA
UEA
TL(EY Lab)
LJA-I
LJA-I
GNA (EY Lab)
SNA
HHA(EY Lab)
PNA
PhoSPL
PNA
CMCI
WT Galectin-3
Sp Serotype 14
Sp Serotype 14-2
hGal-1-488-BCR
#14 Sialyl Lewis X (Lab)
#15 Sialyl Lewis X (Lab)
PMI_Native
VLRB.A5
AGA
SSL2-488
STL-1-B2
WT-rAC
MOA
MVGA
VGA(EY Lab)
SNA
SBA
PHA-L
hJAA-F11-B71
PNA
CSA(EY Lab)
HPA
HAA
HPA
HHA
DSL
GSL-I
GSL-II
CAA
PSA
PSL
P11
VVA
Mouse NKR-AC
CTB
WGA
WGA
MPL
EEL
CGA
UEA
LCA
LCA
GNA
MAA
MAA
MAL
PHA-L
MAA(Seikagaku)
PHA-L
PHA-E
PHA-E
PHA-E
PTL
PTL
NPA
NPA
EEA(EY Lab)
Cy5-MBL
Epa1-Np mutant E220L
#8 Lewis B1(218) (Abcam)
Epa1-Np mutant E227A
Epa1-Np mutant E220A
Sp Serotype 14-15
Gal-3
Galectin-1
LSL-1-B3
LSL-1-B3
CA19-9 Ab (DBS)
Epa1-Np mutant E227A
Epa1-Np mutant E220A
NVL-Cy3
Mono2W-Cy3
PA-IL
MOA
Mouse Galectin-1
AH
Galectin-3
Epa1-Np mutant E220A
RCA (Vector)
RCA (Vector)
PBW
WGA(Seikagaku)(BR)
MEs(detected with mT-1)
Mono2R
SRL
CA19-9-12(SLE)
CGL
BTL mutant
MVP
BTL
PEBL-1
Human Galectin-1
MGL 416
human Galectin-1
SBA
WFL
WFL
CnSepL
CVNA (Bacillus)
cCVNA (Bacillus)
TcPBL2
mouse Galectin-3
MGL 388
MGL 68
DC-ASGPR short
MGL 6A

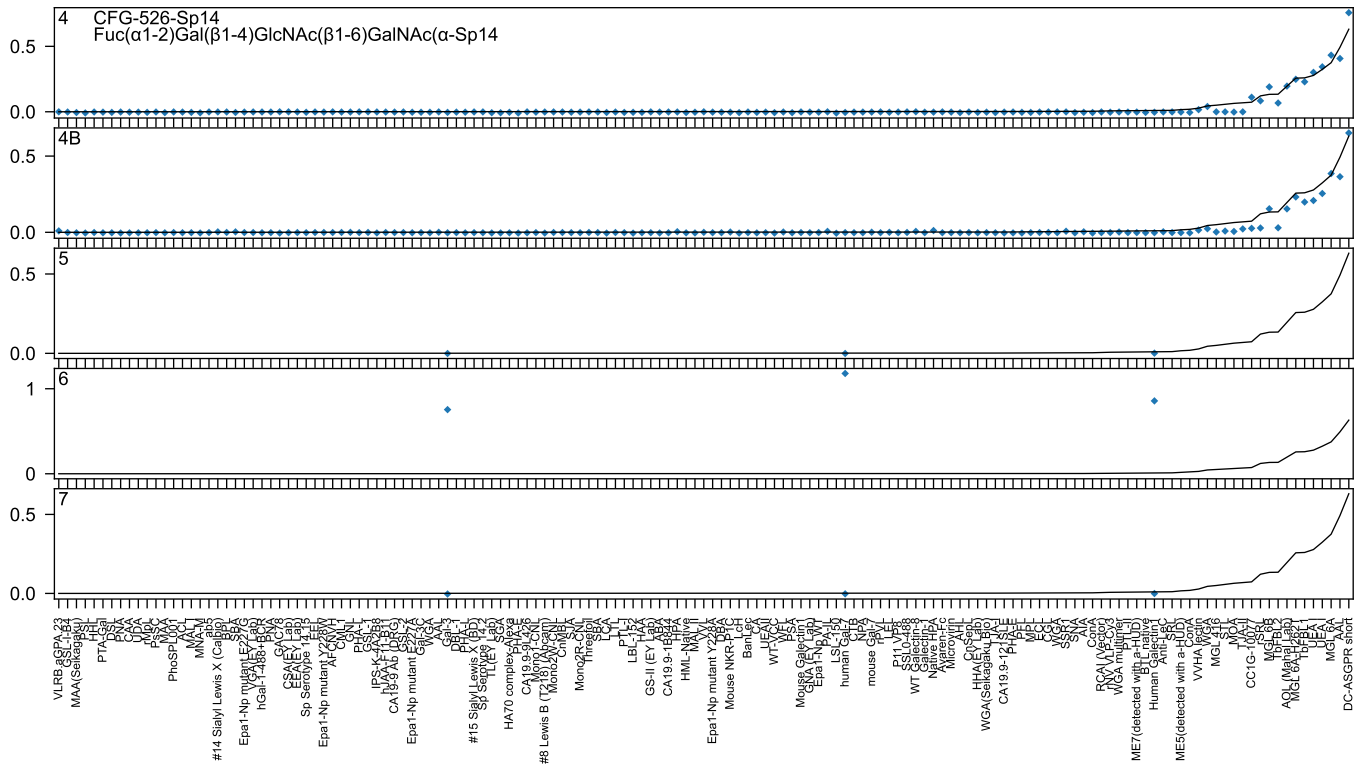

4
CFG-521-Sp14
Gal(α1-3)Gal(β1-3)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.0
0.5
1
TL(EY Lab)
Barley
WGA multimer
CA19-9 Ab
DSA(BG)
ACL
AEL
UDA
Native HPA
WGA(Seikagaku Bio)
Sp Serotype WFL
APC
VVL
SJA
SBL
PhoSP-1001
PTA-I
PTA-II
ESL
MEL-I
MEL-II
AOL (Maty Lab)
NKV(EY Lab)
SSL-1-188
SSL-1-155
ME7(detected with LS-1D)
WT-AAL
#15 Sialyl Lewis X (BD)
MNA
ABA
WGA
UEA
SJA
SNA
PHA-L
PHAL
EEA(EY Lab)
GSII(EY Lab)
BPL
VGA(EY Lab)
MAA(Seikagaku)
HML-Native
CorA
CoPA
AIA
DBA
HPA
ACL
AGL
Mouse NKR-P1
PNA
VCB
VCA
GSII-2
VGA
LCH
ECA
Epa1-Np mutant E227A
Epa1-Np
UEA
ECL
UEA-I
MAL
CNMB
NPL
hJAA-F11-151
hJAA-F11-152
Epa1-Np mutant Y122W
Epa1-Np mutant Y122W
CML1
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E227A
Mpa
aOS
#8 Lewis B (T218)
Microvirin
Sp Serotype 23-15
PTL-I
PTL-II
CSA(EY Lab)
PHA-L
PHAL
PNA
GNA
GSII-B4
VLRB.aGPX23
SSA1
CoPA
HA70 complex-Alexa
Mono1-Alexa
NPA
GNA
SBA-2
SBA
EEL
CA19-9 (Yazaki)
Epa1-Np mutant Y122W
hGal-1-488+BGR
MonoAbBCN
Mono2-Alexa
PHA-L
CA19.9-18844
CA19.9-1
CA19.9-12
SSA
MAA
IPS-K-4
SRB
HHA(EY Lab)
PNA
SNA
BTL native
Mouse Galectin-1
Galectin-1
WT Galectin-8
GNA(EY Lab)
SNA(EY Lab)
ME5(detected with LS-1D)
Human Galectin-1
DBL-1
GSL-I-B4
Chitin
VVHA lectin
human Galectin-3
MGL-416
SBL
CC1G-1001
MGL-1017
MGL-68
MGL-1207
Ant-LEK
MGA
DC-ASGPR short

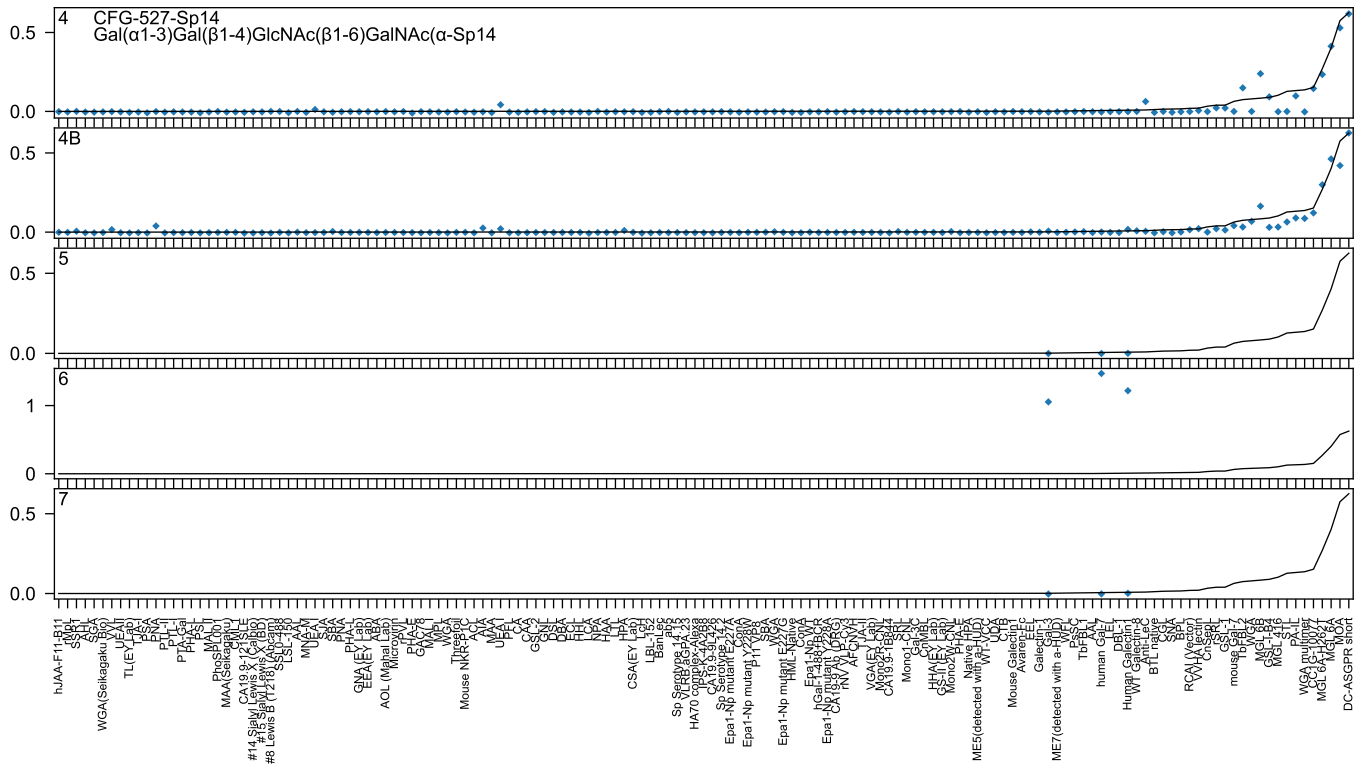

4
CFG-522-Sp14
Gal(β1-3)[Fuc(α1-4)]GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
0.2
1
0
CSA(EY Lab)
LSA
VGA(EY Lab)
DSA
DBA
PNA
HAA
ECA
SBA
SNA
PHA-L
PHE
CGN
MAA
MAA(Seikagaku)
WT Galectin-3
PTA-Gal
WCA
Sp Serotype 14
Sp Serotype 1
hGal-1488+BCR
#8 Lewis B (T218) (Ab)
VIA
VIB
SBA
AFCNH
UDA
VOA
TL(EY Lab)
AIA
ACL
TJA
CA19-9 Ab (DBG)
UEA
EEA(EY Lab)
EEA(EY Lab)
VVL
Sp Serotype 14
Mouse NKR-P1C
hJAA-Fucα(1)
LBL-152
CA19.9-12
SLE
SSA
SSRT
abs
BanLec
HML-Native
SOY
SOL
CA19.9-1-428
CA19.9-1-428
#14 Sialyl Lewis X (Calbio)
GSL-I(EY Lab)
HA70
VCRB aGPA33
GALA
GAL8
BPL
WGA(Seikagaku)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant E227Q
PALL
SeaL
HHA(EY Lab)
SSL-188
SSL-188
Gal-3C
Epa1-Np mutant E227A
RCAI (Vector)
PSSC
PSSC
Mono2CONE
CA19.9-1-DA1
VVA(HA Lab)
HPA
GNA (EY Lab)
LEL
SSB
IPS-K-4
SSB
MNA-M
Galectin-1
Galectin-7
UEA-I
UEA-I
GNL
Gal-3
Mono1-CNE
Epa1-Np WT
Kidney WC
LSC
CoA
FBG
Mono2W-CNE
PSRE
PSRE
#15 Sialyl Lewis X (Ab)
Avarelin-E
Native WT-A
PTL-I
PTL-I
CTB
WGA multimer
WT-XOC
WT-XOC
Cnp-7
human Gal-7
PHA-E
PHA-E
MPA
TKA
MAL-I
Mouse Galectin-1
MGL 6A-H-2374
mouse Gal-7
Human Galectin-1
MEP(detected with a HUB)
MEP(detected with a HUB)
PBL(D)
rNV VLP-212
CC(G-10077
AOL (Mahal Lab)
TnBL
MGL 6A
MGL 6A
DC-ASGPR short

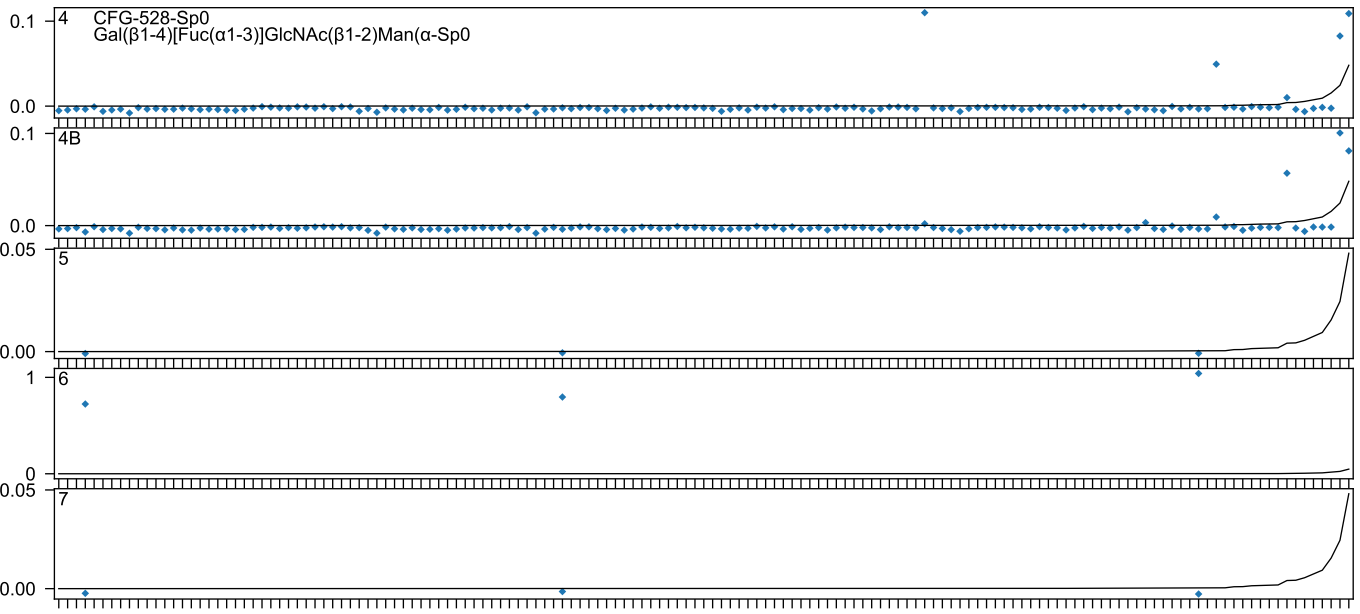

4
CFG-523-Sp14
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hJAA-E11-B11
CnSp1
Gal-3
VVHA-B
BTL
PhoSPhoD1
ABL
Native LYA
UEA
TL(EY Lab)
T-Ag
SBA
PSA
PNA
PTL-I
IPS-K-42258
AOL (Mahal Lab)
Mono2W-CAA
hGal-1-148
#14 Sialyl Lewis X (Calbio)
MET(detected with s-HUD)
MET5(detected with s-HUD)
MNA-M
WGA
UEA
SBA
PNA
HHA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
VGA(EY Lab)
PSL
MAL II
EEL
GSII-T
Mono2R-CAA
AAA
ACL
Epa1-Np mutant E222G
VGA
Epa1-Np-WT
DSA
CPA
UEA
HHA
MAA(Seikagaku)
GSL-I-B4
MAL I
HPA
PNA
CSA(EY Lab)
LCA
ACL
Mouse NKR-P1C
VLRB.aGPA-23
CA19.9-12
ISVE
AFCSVH
Sp Serotype 14-15
Microvirin
#15 Sialyl Lewis X (BD)
CA19.9-9L428
CML1
LBL
MOR
DSL
Epa1-Np mutant E222G
OR (9940 TOR6)
Sp Serotype 14-2
Gal-2/C
abo
Epa1-Np mutant Y228A
#8 Lewis B (T218) (AbFab)
TnFBL1
MOR(Vector)
SGA
Epa1-Np mutant Y228W
WT-VCC
LEL
CnSB
HA70 complex SSR1
Galectin-1
P11-VP8
WGA(Seikagaku) Bio
Avarex-EC
BTL native
WT Galectin-8
Mouse Galectin1
VVLB
SSL0-488
Human Galectin-7
CA19.9-18844
WGA-Bio
NKP-178
CC1G
SSR4
MGL 6A
hFEB2
mouse Gal-7
MGL 6X
DC-ASGPR short

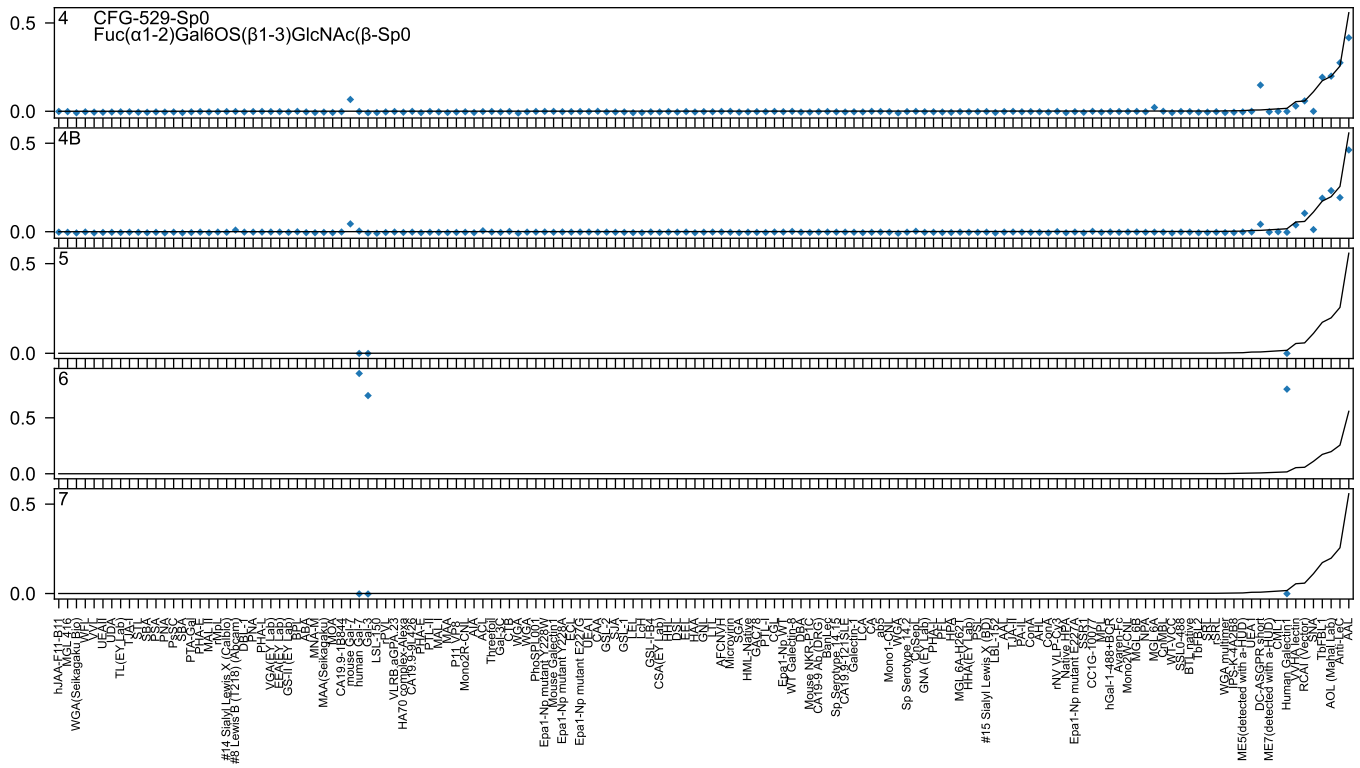

4
CFG-524-Sp0
Gal3OS(β1-3)[Fuc(α1-4)]GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H(267)
VVL
UEA
TL(EY Lab)
LJA-I
SNA
SBA
MNA-M
PHA-L
PSL
Galectin-1
MAA(Seikagaku)
WGA(Seikagaku) Bio
ACL
GNA(Q)
GNA
BNA
PNA
AAL
GNA (EY Lab)
PHA-E
BPL
rNV VLP-Cy3
rNV VLP-Cy5
#15 Sialyl Lewis X (BD)
hGal-1(Y73A)-Alexa
HA70 complex-Alexa
TdB
BL2
MAL I
WGA
NPA
ACA
AIA
Threonin
Chitotriose
SSL
EEL
Mono2R-CNL
WGA
DBA
GSL-I B4
CNL
MAL I
CGA
Maxim
CSA(EY Lab)
EPA
PHA-L
PhoSPLD1
Microcystin
VLRB-alpha
WT Galectin-8
PJC
GalNAc-1
CA19-9 Ab
MGL 2.19
HAL
Bau-C
ISV-150
EEA(EY Lab)
Native EPA
Mouse NKR-P1C
PTL
Sp Serotype 14 Ab
GSL-I
GlcA
IAI
Epa1-Np mutant Y226W
CA
CGA
MGL 6A
SSA
CA19.9-Ab
HAA
#8 Lewis B (T218) (Abcam)
LCA
Epa1-Np mutant Y226A
#14 Sialyl Lewis X (Calbio)
RCA I
MGC-8B
SJA
GSL-I
CA19.9-121
SLE
MPL
PNA
hAAA-E1-B11
Epa1-Np (W)
Sp Serotype 14
IPS-K-A-288
Epa1-Np mutant E227A
Epa1-Np mutant E227G
WFA
PSSC
GS-II (EY Lab)
PNA
Con A
human Gal-7
WGA (mutant)
Human Galectin1
mouse Galectin1
Mouse Galectin-1
B1 naive
Avar-Gal-F3
CA19.9-18244
VA
PTA-Gal
SSL (Lab)
CCTG-10077
PNA
HHA(EY Lab)
B11 VHB
ME7(detected with a-RUD)
DC-ASGPR (Sino)
DBL
ME5(detected with a-RUD)
CSL
Anti-LeC
AOL (Marine Biol)
BPL
AAL

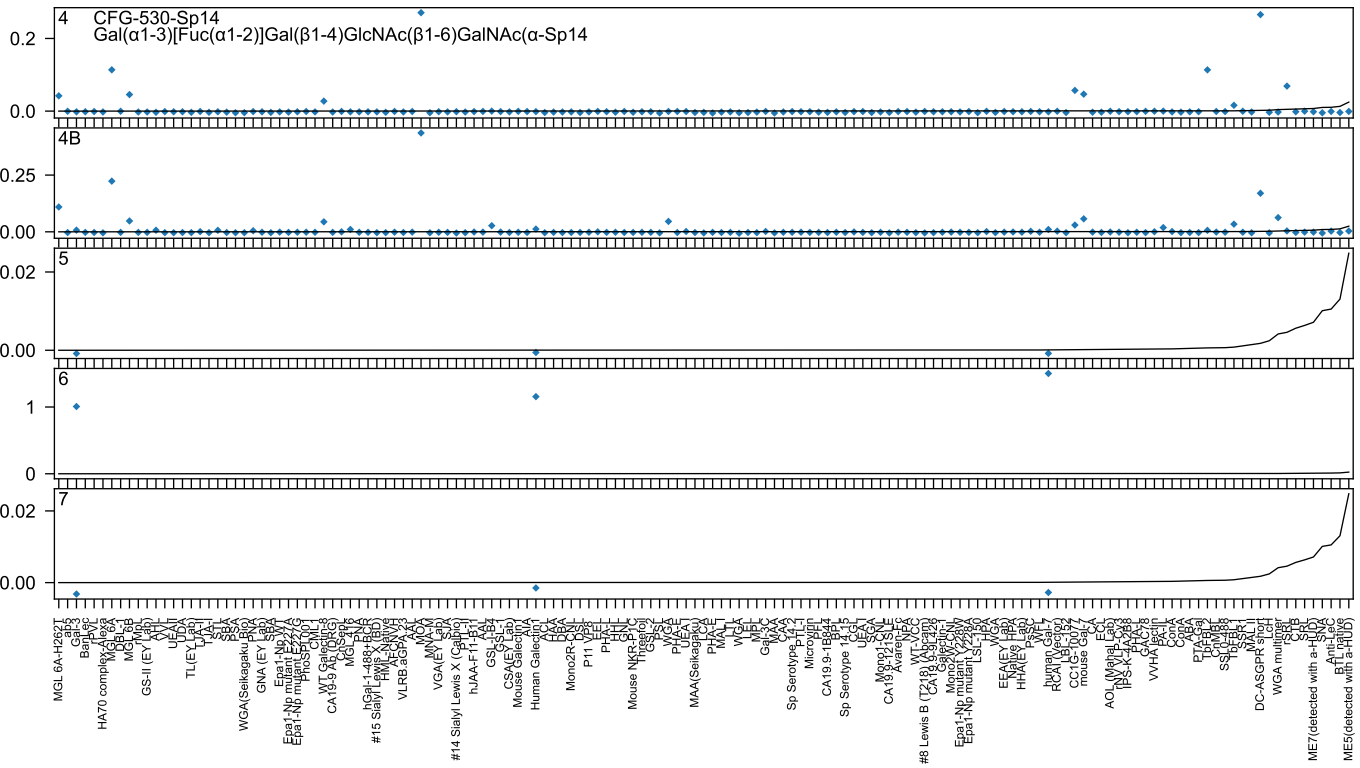

4
CFG-525-Sp21
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-6)[Neu5Ac(α2-6)[Neu5Ac(α2-3)Gal(β1-3)]GlcNAc(β1-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
0.25
0.00
1
0
SNA
#8 Lewis B (T218) (Ab-CT)
#15 SialyLewis X (BD)
#14 SialyLewis A (Calbiochem)
HAA(Vector)
DBL-1
MGL 416
SNA1
SSA
Native WGA
WGA(Seikagaku)
PNA
AJL
UEAII
GNA
GalNAc
PAA-II
ME5(detected with a-hUD)
Sp Serotype 14.13
PAA-I
HNL-Native
CA19.9-Sp21
WT-SYCC
MVGA
MNWGA
VGA(EY Lab)
LEL
SSA
PRA
HHA(EY Lab)
EEA(EY Lab)
GS-II(EY Lab)
Mono2W-CNL
ME7(detected with a-hUD)
IPS-K-44-288
VLRB-GPA-33
rNV APC-CV3
PTL-I
PAL
Epa1-Np mutant Y228W
DSA
GSL
PTA-Gal
PhoSPLA
GSL-1
CorA
PPL
P11
Mono2R-CNL
AIA
GSL-2
Epa1-Np mutant Y228A
PFAE
PHAE
PHA-E
MAA(Seikagaku)
WAA
MAL
Threoglo
Human Galectin-1
Mouse Galectin-1
TJA-I
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
ALL
Mouse NKR-P1C
CAA
Mono1-CNL
Epa1-Np mutant E227K
Sp Serotype 14.2
BSA
PsSC
CGL
BanLec
MOR
OCIA1-488(BRCA)
CA19.9-488(BRCA)
BTL native
GS-IV
CMLT
Galectin-1
MGL 6A-H267T
Epa1-Np WT
MGL 6A
GNA (EY Lab)
SSL
Avegen-Fc
CnMBL
LCA
TL(EY Lab)
CC1G(MOI)
CVNA
WGA
CnSepL
hCA19.9-Sp21
hCA19.9-488
WT Galectin-8
WGA Multimer
SSL-1
DC-ASGPR-488
SSL-2
human Gal-7
RCA(Vector)
mouse Gal-7
VVA
UDA
CA19.9-12-Sp21
AOL (Mahal Lab)
AAL

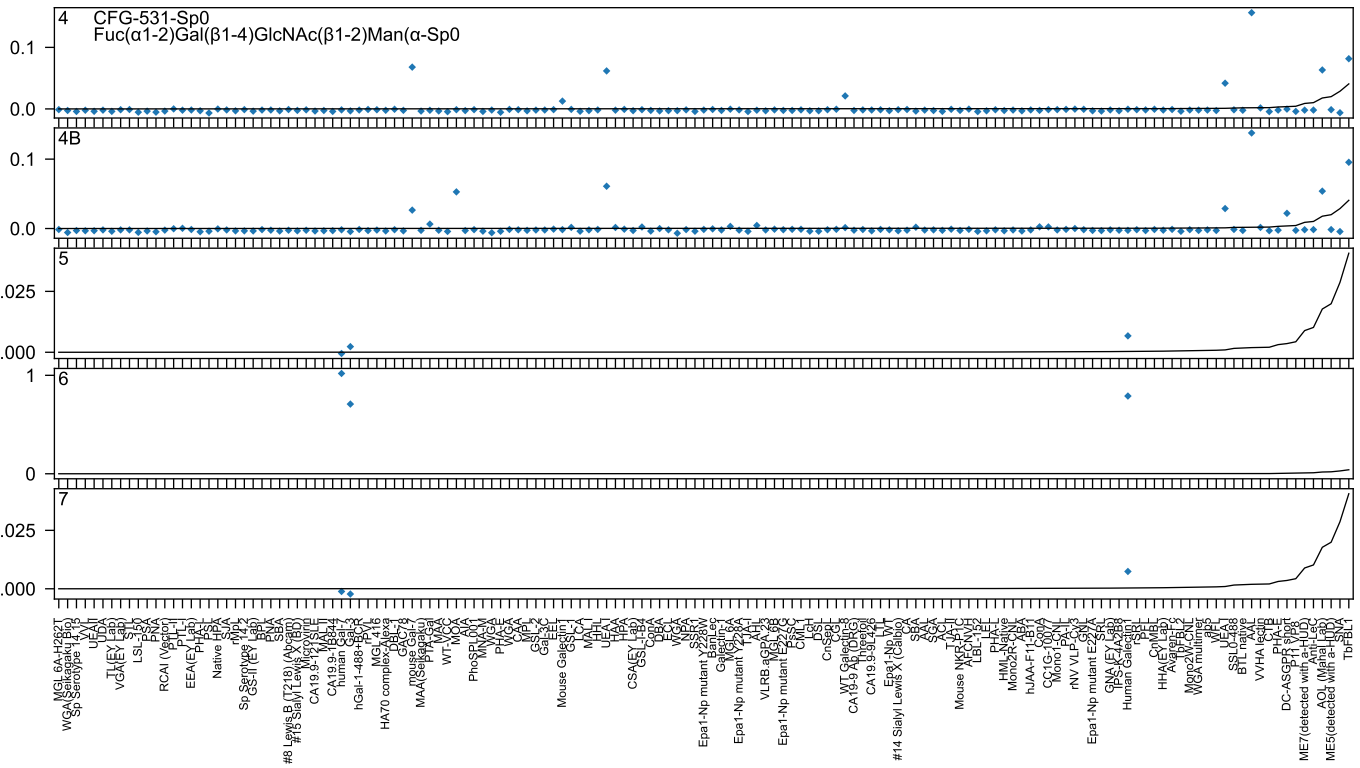

4
CFG-526-Sp14
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
VLRB aGPA-23
aGPA-53
MAA(Seikagaku)
tHL
PTA-Gal
PNA
DBA
CPA
MPA
MAX
PhoSPLOD1
MAL1
MAL II
MNA-M
#14 Sialyl Lewis X (Calbio)
SBA
Epa1-Np mutant E227G
hGal-1(Abnova)-BGR
CVN
GSL-I (EY Lab)
Sp Serotype 14
Epa1-Np mutant Y226V
Epa1-Np mutant K226V
CVAL
PSAL
GNA
IPS-K-Cas8a
hIAA-F11-B11
CA19-9Ab (BioLegend)
Epa1-Np mutant E227A
WGA
ACA
AAL
DSL-1
#15 Sialyl Lewis X (TAB)
Sp Serotype 14.2
TL(EY Lab)
SJA
HA70 complex-Alexa
CA19.9-1426
Mono1-CNL
Mono2-CNL
#8 Lewis B (T21)
Mono3-CNL
Mono2R-CNL
Mono2R-CNL
Mono3R-CNL
Mono4R-CNL
Mono5R-CNL
Mono6R-CNL
Mono7R-CNL
Mono8R-CNL
Mono9R-CNL
Mono10R-CNL
Mono11R-CNL
Mono12R-CNL
Mono13R-CNL
Mono14R-CNL
Mono15R-CNL
Mono16R-CNL
Mono17R-CNL
Mono18R-CNL
Mono19R-CNL
Mono20R-CNL
Mono21R-CNL
Mono22R-CNL
Mono23R-CNL
Mono24R-CNL
Mono25R-CNL
Mono26R-CNL
Mono27R-CNL
Mono28R-CNL
Mono29R-CNL
Mono30R-CNL
Mono31R-CNL
Mono32R-CNL
Mono33R-CNL
Mono34R-CNL
Mono35R-CNL
Mono36R-CNL
Mono37R-CNL
Mono38R-CNL
Mono39R-CNL
Mono40R-CNL
Mono41R-CNL

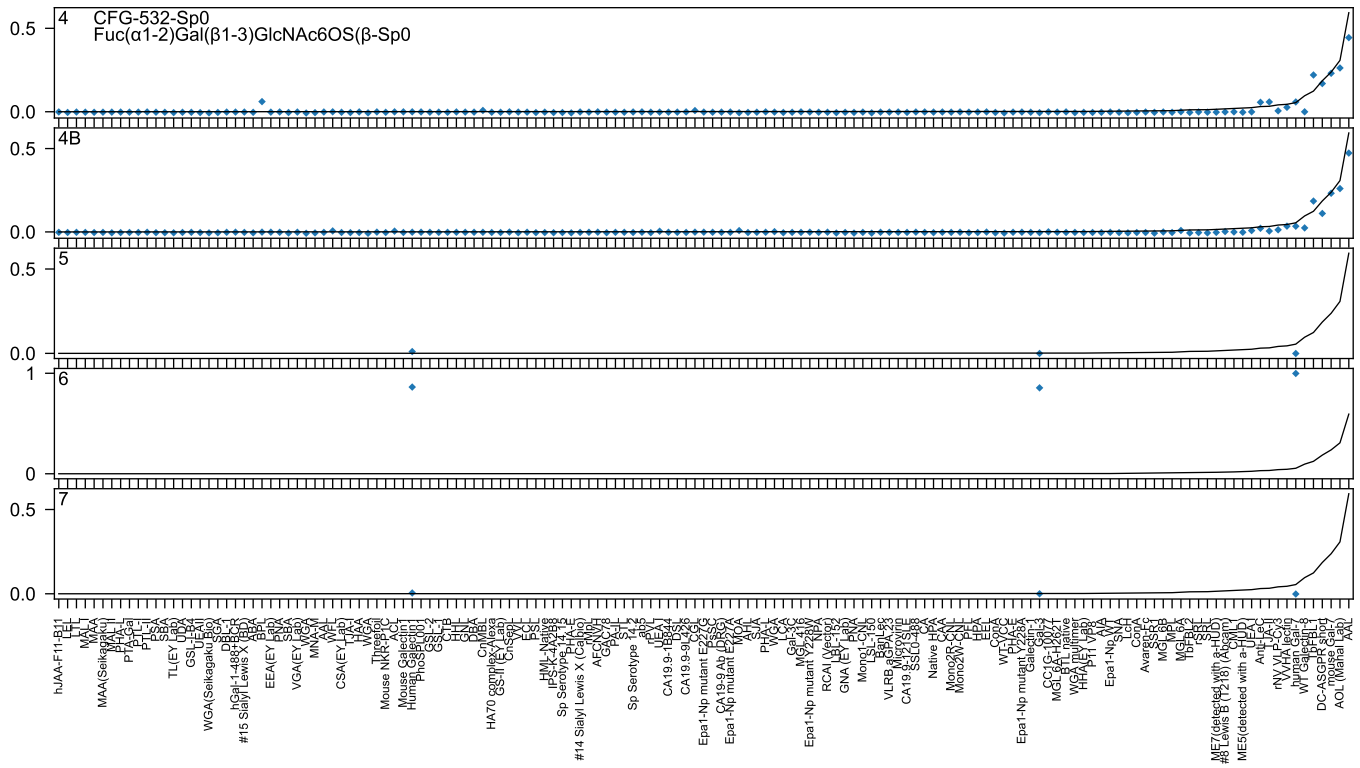

4
CFG-527-Sp14
Gal(α1-3)Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
SSA
SSB1
SGA
WGA(Seikagaku Bio)
VEA
TL(EY Lab)
PSA
PTA
PTL
PTL-I
PHA-E
PSL
MPL
PhoSP(Lab)
MAA(Seikagaku)
CA19.9 (123-SLE
#14 Sialyl Lewis X (IBD)
#15 Sialyl Lewis A (IBD)
#8 Lewis B (123-SLE,Lab.)
SNA
LSL-150
MNA
AAL
UEA
SSA
PNA
PNA
PNA
GNA (EY Lab)
EEA(EY Lab)
AOL (Mahal Lab)
MicroVil
PHA-E
GNA(Y)
WGA
Thrombol
Mouse NKR-P1C
AIA
UEA
PEL
CAA
GSL-2
DSL
DBA
PHL
NPA
NPA
HAA
HPA
CSA(EY Lab)
LBL-152
Barley
Sp Serotype 14-13
Sp Serotype 14-18
HA70 complex-Alexa
CA19.9 (42-268
Sp Serotype 14-2
Epa1-Np mutant E227A
Epa1-Np mutant Y228A
pH1 (BBA)
SBA
Epa1-Np mutant E227Q
WGA
Epa1-Np mutant E227A
HML-Native
Epa1-Np WT
hGal-14aa-PBCR
Epa1-Np mutant (PBCR)
CA19.9 (BBA)
HNV XL-PBCR
AIA
UAI
VGA(EY Lab)
Mono1-SN
CA19.9-18B44
Mono1-SN
GalNAc
GalNAc
HHA(EY Lab)
GSL-I(EY Lab)
Monoclonal
PHA-E
Native HUD
ME5(detected with a-HUD)
WT-VGA
WT-VGA
CTB
Mouse Galectin1
Avarelin
EEL
Galectin-1
ME7(detected with a-HUD)
PNA
PSC
TbFBL1
PSL
human Galectin-7
DBLEL
Human Galectin1
WT Galectin-8
Galectin-8
BTL native
SNA
BP
RCA (Vector)
CVN (Vector)
Chicken
GSL-1
mouse Fgl-2
WGA
GSL-I-B4
MGL-1-B4
MGL 416
PA-IL
WGA (multimer)
MGL 6-1-2621
MGA
DC-ASGPR short

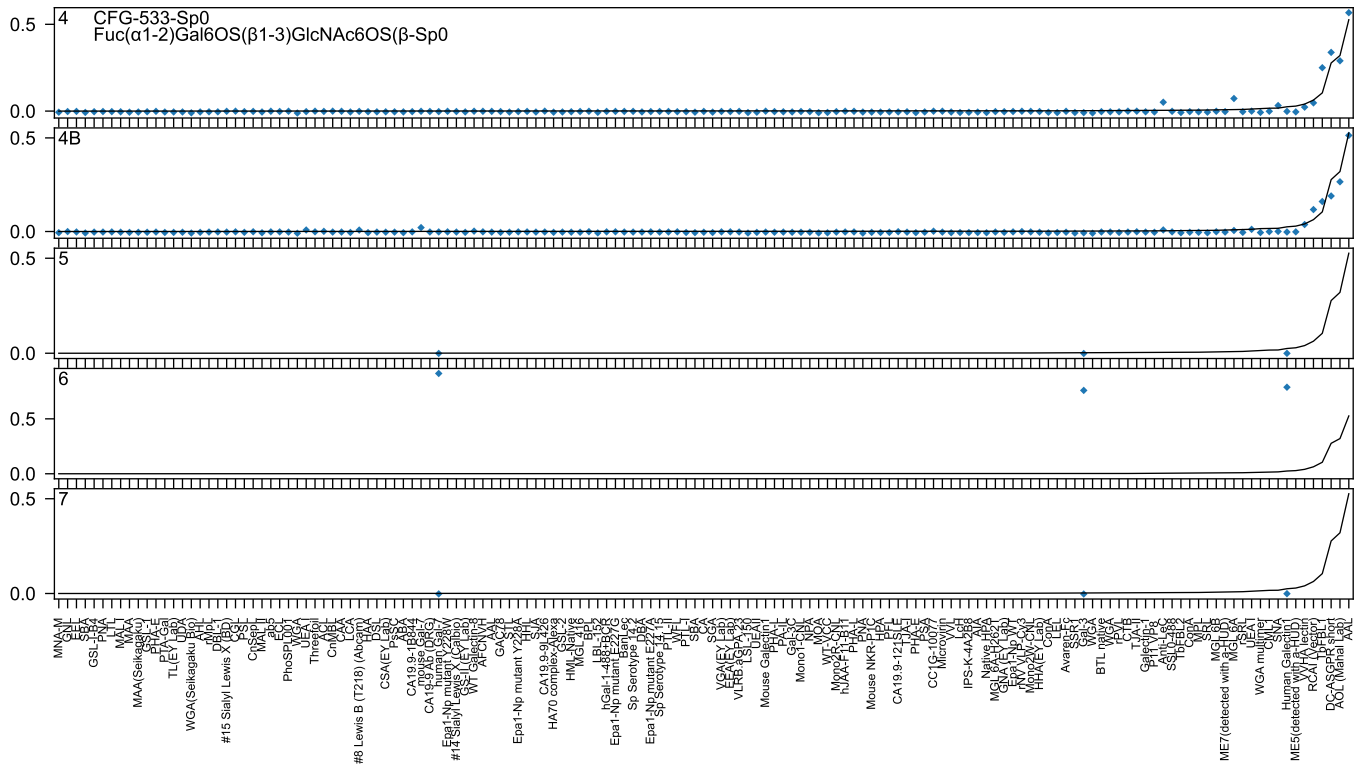

4
CFG-528-Sp0
Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.1
0.0
0.05
0.00
1
0
SNA
CA19-9-12
SVA
mouse Gal-7
GNA
SSA
SSBR
Native PHA
WGA(Sakaguchi)
Mono2W BN
UDA
SBA
PSA
PTL-I
PTL-II
PTA-G
PHA-L
TL(EY Lab)
GS-II (EY Lab)
PhoSPL001
MoSeq
hGal-1-488+BCR
#14 Sialyl Lewis X (CHO)
#13 Sialyl Lewis A (CHO)
#8 Lewis B (T2218)(Takaoka)
AEX Lab
EEA
SSL0-488
MOA
MVA
MNA-M
VGA(EY Lab)
UEA
PNA
PWM
LBL
MAA(Seikagaku)
MGL 6A-H2627
VGL
SNA
GNA
CAA
AAA
DBA
Mouse NKR-P1
CTB
WGA
WGA
MPL
Human Galectin-1
Threonin
PE
PC
MAL
LE
GSL I-B4
hJAA-F11-B11
HPA
CML1
Microtubule
EEL
PA-IL
HML-N-488
UEA-I
GAL3
GAL8
Gal-3C
CA19-9-428
MGL-488
Epa1-Np mutant Y228W
ESL
CA19-9 Ab (DRG)
Sp Serotype 14
Epa1-Np mutant E227G
Sp Serotype 14 G
CA19-9-18844
Epa1-Np W94
HA70 commercial
Epa1-Np W94
VLRB aqn 2.5
Galectin-1
Epa1-Np mutant Y228A
CML
Gal-1
LSL-150
CSA(EY Lab)
CMBL
AvaPS-C
Epa1-Np mutant E227A
Mgre1-CN
CCTG-100
Mono2R-CN
GNA(EY Lab)
WT Galectin-8
rSBL
LA
PHA-E
Galectin-7
RCA-I
IPS-K42-B8
VVHA lectin
ABA
human Gal-7
WGA
DC-ASGPR
rNV VP-Cy3
Mouse Galectin-1
WGA(EY Lab)
PHA-L
DSL-1
AOL
HHA(EY Lab)
BTL native
WGA multimer
MEL(detected with a-HUR)
MES(detected with a-HUR)
AAL
TbFBL1

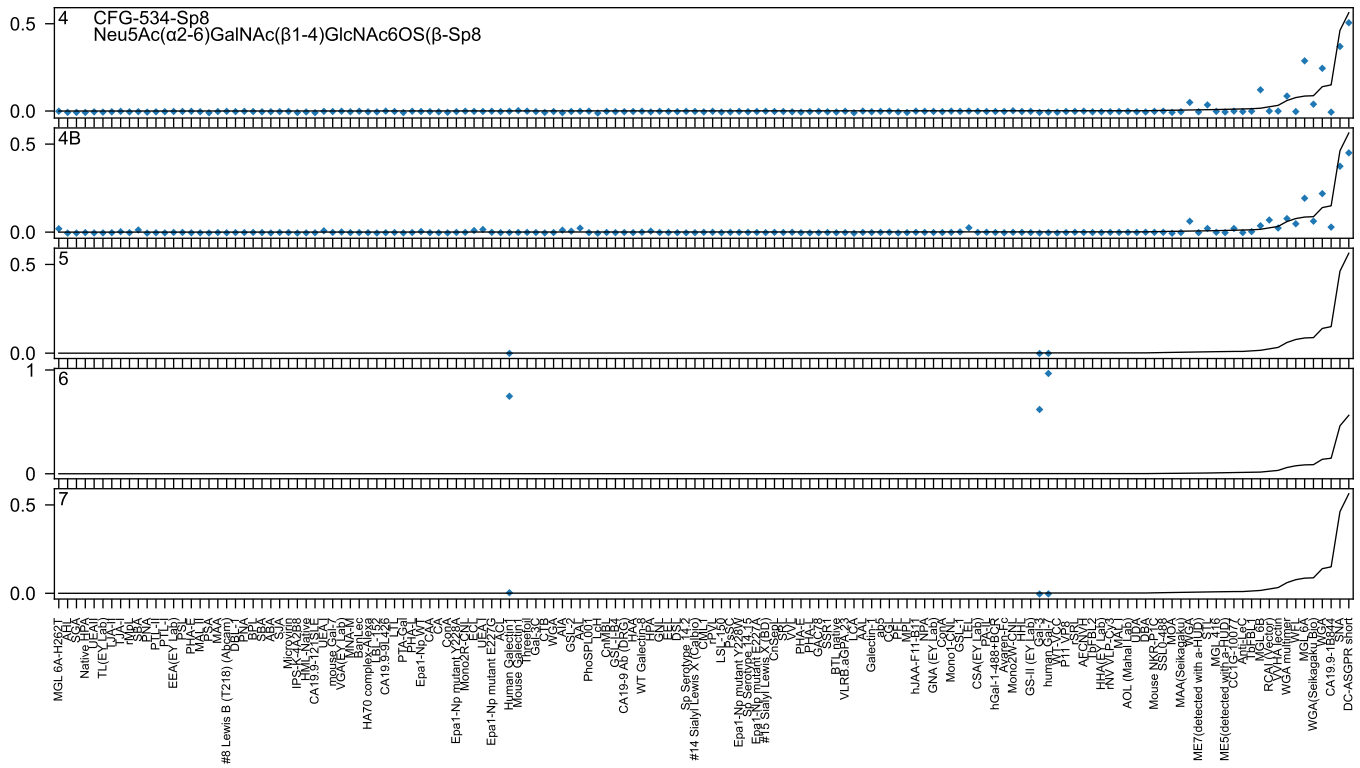

4
CFG-529-Sp0
Fuc(α1-2)Gal6OS(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
hJAA-F11-B11
MGL-B16
WGA(Seikagaku Bio)
VVL
UEA1
TL(EY Lab)
LCA
SBA
PNA
PSA
PTA-Gal
MAA-T
#14 Sialyl Lewis X (Calbio)
#8 Lewis b (Calbio)
DBA
PHA-L
PHA-E
VGA(EY Lab)
GSL-I(EY Lab)
ABA
MAA(Seikagaku)
MNA-M
CA19.9-1B44
human Gal-7
LSL-3
PVL
VLRB1aGP
HA70 virus
CA19.9-2A428
PHA-T
MAL
P-11
Mono2R-CNL
ACL
Thy-1
Galectin-1
CTB
WGA
PhoS(P2-80)
Epa1-Np mutant Y228A
Mouse Galectin-1
Epa1-Np mutant E227G
UCA
GSL-2
GSL-I
LEL
GSL-I-B4
CSA(EY Lab)
DSL
EEA
GNL
AFCN/H
MicroSGA
HML-Native
GPL-I
Epa1-Np mutant Q
wt Galectin-8
Mouse NKR-P1A
CA19.9 Ab (DRG)
Sp Serotype 9
Sp Serotype 14
CA19.9-121SLE
Galectin-1
LCA
ACA
Mono1-CNL
Sp Serotype 14-2
Sp Serotype 14-3
GNA (EY Lab)
PHA-E
PFL
MGL-6A-H2621
HHA(EY Lab)
#15 Sialyl Lewis X (Bio)
LBL
AZ
LAC-II
LAC-I
CGA
ACA
ANL
CFA
rNV VLP-Cy3
Epa1-Np mutant Y228A
SSA
CC1G-1
WFL
hGal-1-488+BCF
Mono2-WCNL
MGL-6A
MGL-6B
WFL-WPC
BSL-0-488
TcPBL19
TcPBL1
SBL
WGA multimer
WGA monomer
ME5(detected with a-HUD)
ME7(detected with a-HUD)
DC-ASGPR
UEA1
Human Galectin-1
VVA
HA(Vesicular)
RCA1(Vesicular)
AOL (Marine Lab)
TcPBL1
Ann (Marine Lab)
AAL

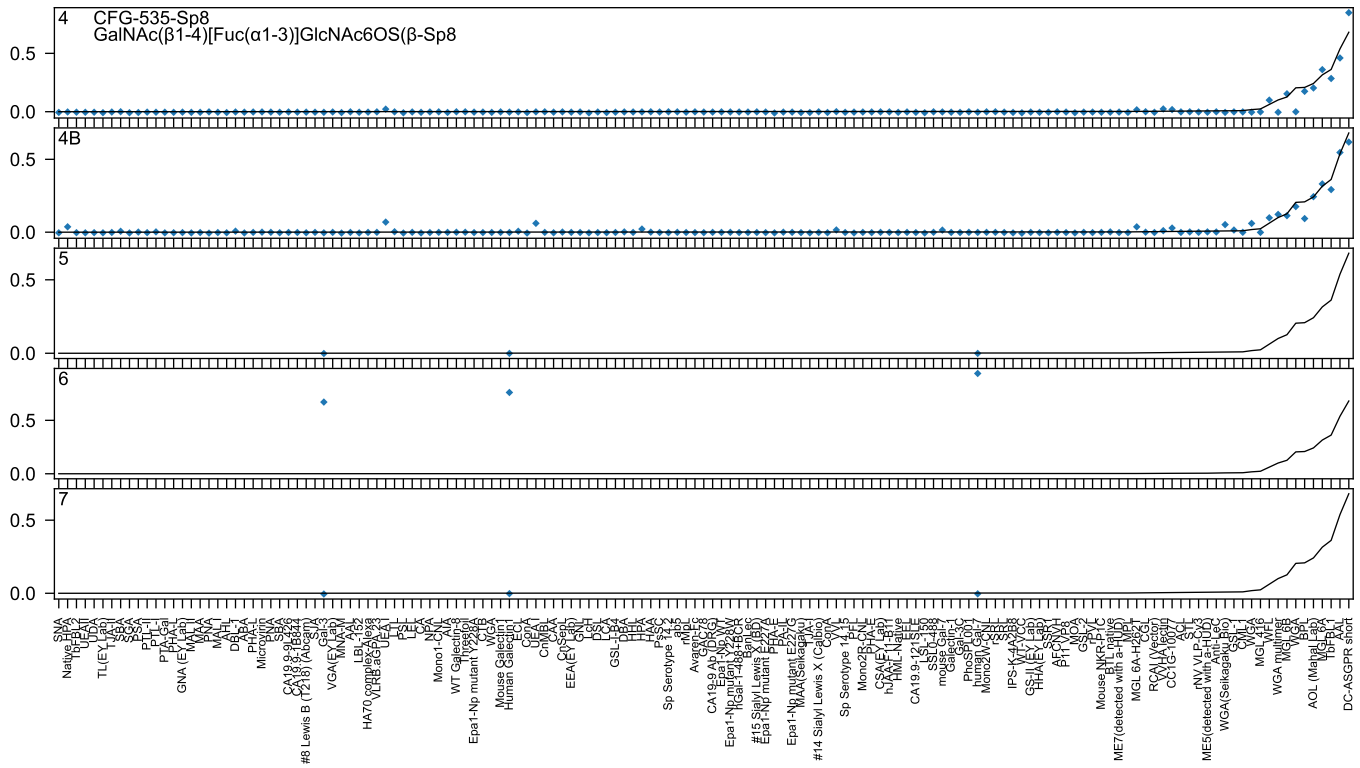

4
CFG-530-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-6)GalNAc(α-Sp14
0.2
0.0
4B
0.25
0.00
5
0.02
0.00
6
1
0
7
0.02
0.00
MGL 6A-H2627
Gal-3
Galectin-1
Bandeiraea simplicifolia lectin I
HA70 complex-Alexa
MGL
DBL-1
MGL-B
GS-II (EY Lab)
CVL
UEA-I
TL(EY Lab)
LCA
LTA
SNA
PSA
WGA(Seikagaku, Rio)
RCA
GNA (EY Lab)
SBA
Epa1-Np mutant E227A
Epa1-Np mutant S227G
Epa1-Np mutant S227G
mouse Gal-7
CMCI
WT Galectin-1
CA19.9 Sialyl Lewis X
MGL-Sepharose
MGL
PNA
hGal-1 488+ Beads
#15 Sialyl Lewis X (Gabpro)
HMC Native
VLRB.aGAL.v3
AAL
MAA-O
VGA(EY Lab)
#14 Sialyl Lewis X (Gabpro)
hJAA-F11-B11
AAL
GSL-I B4
CSA(EY Lab)
Mouse Galectin-1
AIA
Human Galectin-1
HAA
Mono2R-DBA
Oos
P11
EEL
PHA-L
GNL
Mouse NKR-P1c
Tomato
GSL-I
WGA
PUL-E
UEA-I
MAAA(Seikagaku)
LTA
PHA-E
MAL1
WGA
MEL
Gal-3C
MAA
CVN
Sp Serotype 14-2
Microphis LL-1
PPL
CA19.9-1B4
Sp Serotype 14-15
UEA-I
Mono1-SBA
CA19.9-121SLE
Avarelin-NEA
WT-VCC
#8 Lewis B (T218) WT-VCC
CA19.9-9B128
CA19.9-9B128
MonoGalectin-1
Epa1-Np mutant K228W
Epa1-Np mutant L228W
LSL-2180
HPA
VVA
EEA(EY Lab)
Naive HPA
HHA(EY Lab)
PSA
Jacalin
WT-7
human Gal-7
RCA (Vector)
CC1G
mouse Gal-7
ECL
AOL(Wako Lab)
IPS-K-A288
GTC-76
VVHA-Jacalin
Con-A
CGA
PTA-Gal
DBA
SSL-488
TGSR
MAL I
DC-ASGPR
LCH
WGA multimer
CTB
SJL
ME7(detected with a-HUD)
SNA
Anti-Naive
BTL native
ME5(detected with a-HUD)

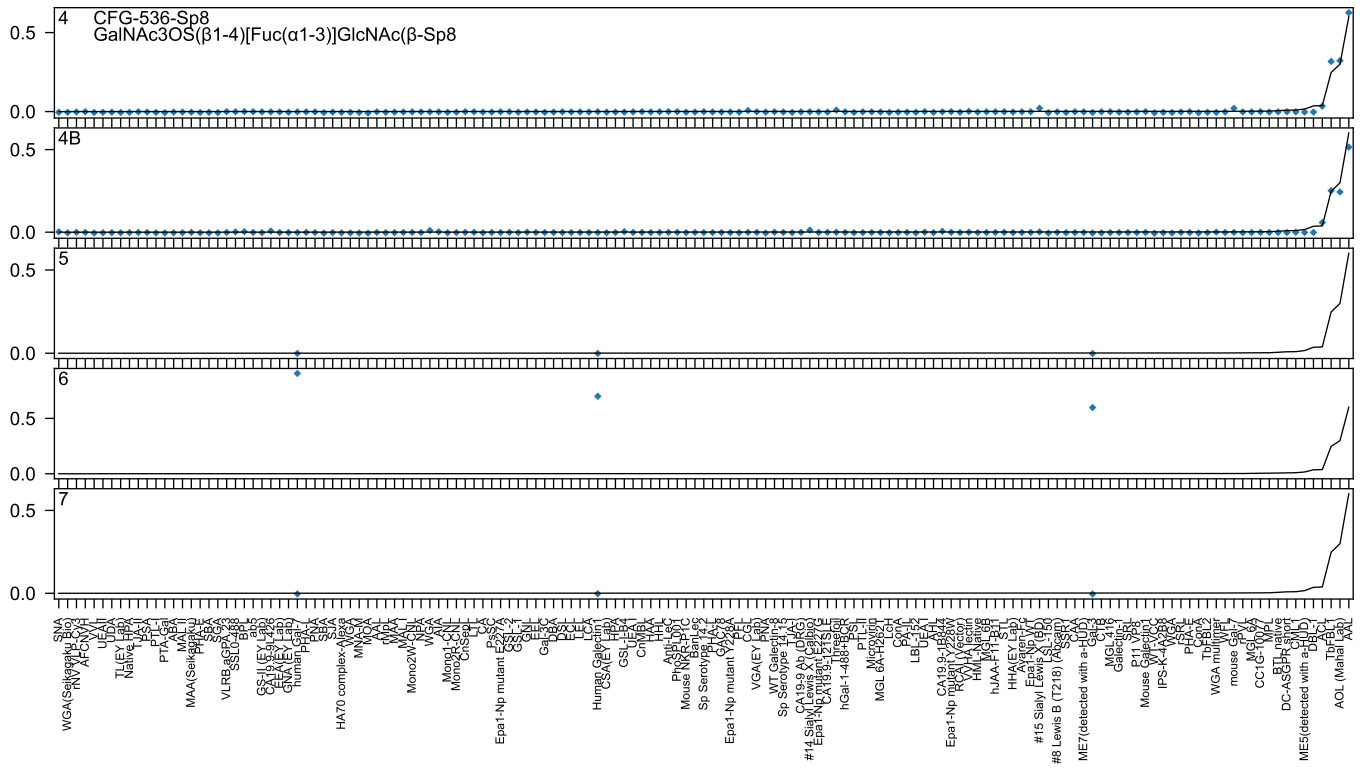

4
CFG-531-Sp0
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
0.1
0.0
4B
0.1
0.0
5
.025
.000
6
1
0
7
.025
.000
MGL 6A-H(267)
WGA(EY Lab)
Galectin-1(Bio)
Sp Serotype 14 (13
UEA II
UDA
UEA I
TL(EY Lab)
VGA(EY Lab)
LSL-Sp0
PSA
RCA I (Vector)
PTL-I
EEA(EY Lab)
PHA-E
PHA-L
Native HPA
NPA
Sp Serotype 14 (2
rVGA
GS-II(EY Lab)
BPL
BSA
ENA
#8 Lewis B (T218) (Abcam)
#15 Sialyl Lewis X (BD)
CA19.9-1(SLE)
CA19.9 Mab44
human Gal-7
hGal-1-488+BSC
hGal-7-488
MGL-Alexa
HA70 complex-Alexa
Gal-7
Mouse Gal-7
MAA(Sigma)
PNA
WT-MOA
MOA
PhoSL
AIA
MNA-M
PNA
PNA-Ae
VGA
MPA
GSL-I
GSL-II
EEL
Mouse Galectin-1
TJA-I
MOA
MAL
UEA I
UEA II
HPA
CSA(EY Lab)
GSL I Lab)
CorA
LEA
VGA
SSA
Epa1-Np mutant 3228W
Galectin-8
Galectin-1
Epa1-Np mutant Y228A
Epa1-Np mutant T141
VLRB.aGPA.23
Epa1-Np mutant E228Q
Epa1-Np mutant E228C
CMTL
LTA
DSL
Cnsl-Sepl
WT Galectin-3
CA19.9 Mab116
Phoeg1
CA19.9 Mab 428
Epa1-Np WT
#14 Sialyl Lewis X (Calbio)
SBA
SNA
SGA
TAA
TAC
Mouse NKR-P1C
AIA-V12
EBL-V12
PNA
PHA-E
HML-Native
Mono2R-CSN
hJAA-F11-B1
CC1G-10074
Mono1-CSN
rNV VLP-C-3
Epa1-Np mutant E228A
GNA
GNA (EY Lab)
CSA (EY Lab)
Human Galectin1
rSEL
SPA
CoMBL
HHA(Calbio)
Avaren-LEC
Mono2-CSN
rBFL
WGA multimer
vBP
UEA I
SSL
BPL native
AAL
VVHA recB
DC-ASGPR-PHA-E
P11-V28
ME7(detected with a+HUO)
ME5(detected with a+HUO)
AOL (Malta Lab)
TbFBL1
TbFBL2

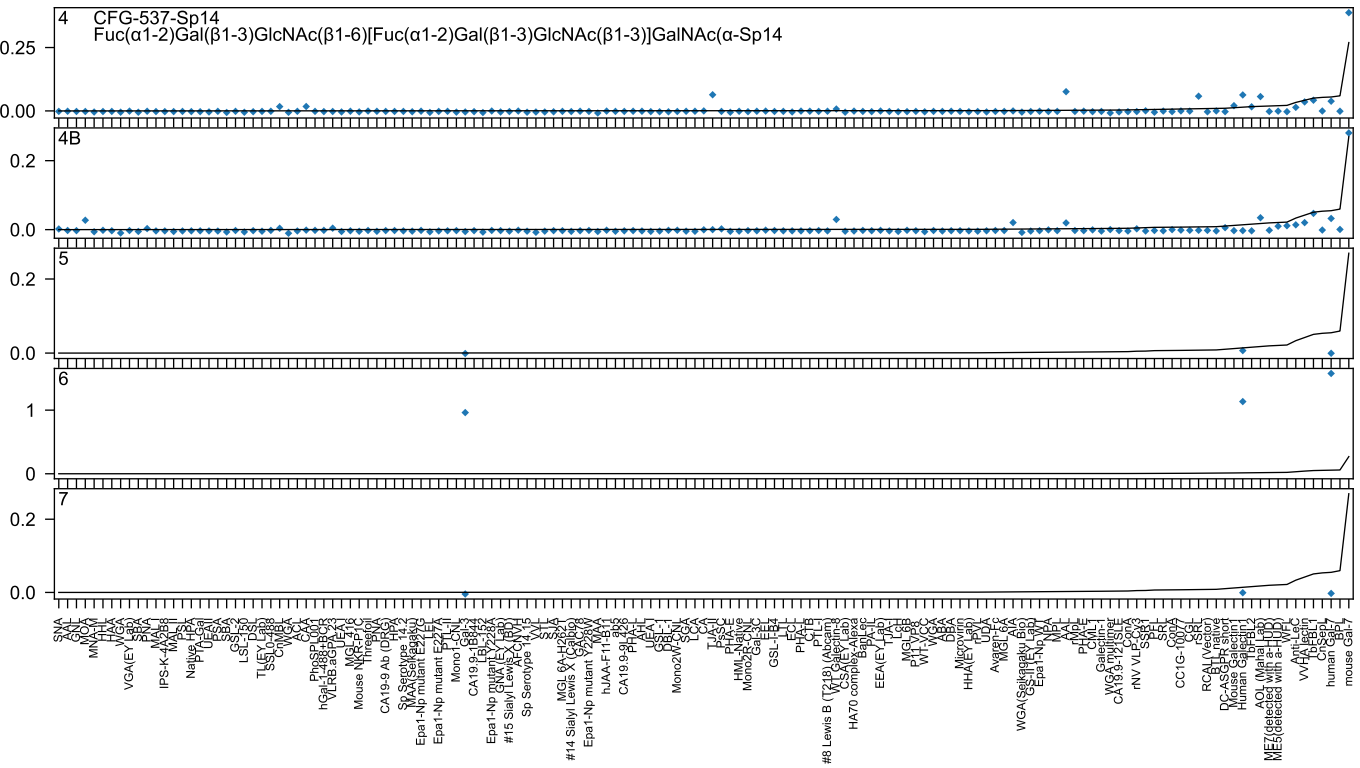

4
CFG-532-Sp0
Fuc(α1-2)Gal(β1-3)GlcNAc6OS(β-Sp0
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
TTL
MAA
MAA(Seikagaku)
PHA-L
PTL-II
PTL-I
SBA
TL(EY Lab)
GSL-I-B4
WGA(Seikagaku)
UEA-I
SGA
hGal-1489+BC-5
#15 Sialyl Lewis X (Tab)
BPL
EEA(EY Lab)
SNA
SBA
VGA(EY Lab)
MNA-M
AVL
CSA(EY Lab)
HAA
WGA
Thy-1
Mouse NKR-P1C
Mouse Galectin-1
Human Galectin-1
PNA
GSL-2
GSL-I-A4
HHL
DBA
CnMBL
HA70 complex(EY Lexa)
GSL-I-B4(EY Lab)
CnSecl
ECL
BSL
HML-N-Ag288
IPS-K-Ag288
Sp Serotype 14-2
#14 Sialyl Lewis X (Calbio)
AFCNW1
GAC-78
IBA
STL
Sp Serotype 14-2
IEA
CA19.9-IB44
CA19.9-9-D3
CA19.9-9-C6
Epa1-Np mutant E225G
CA19.9 Ab (DSG)
Epa1-Np mutant E225A
MOA
AIA
PHA-L
WGA
Gal-3C
Epa1-Np mutant (Y224A)
KPA
RCA I (Vector)
GNA (EY Lab)
Mono1-CNL
Lsn-150
VLRB aGPA-23
CA19.9-NS19-9
SSL0488
Native HPA
Mono2R-CAA
Mono2W-CNL
HPA
EEL
WT-CVGC
PHA-E
Epa1-Np mutant P184T
Galectin-1
CC1G-10813
MGL8A-H12621
R. n. native
WGA R. n. native
HPA(EY Lab)
Epa1-Np
AVA
Lch
ConA
Avarol-B
SSA
MGL
MPL
MGL8A
TBA
PSL
ME7(detected with a-hUD)
#8 Lewis B (T2218) (Abcam)
SJA
ME5(detected with a-hUD)
UEA-I
ACL
nN-VHP-Cy3
nN-VHP-FITC
human Gal-7
WT Galectin-1
DC-ASGPR shpd
AOL(Marker Lab)
AAL

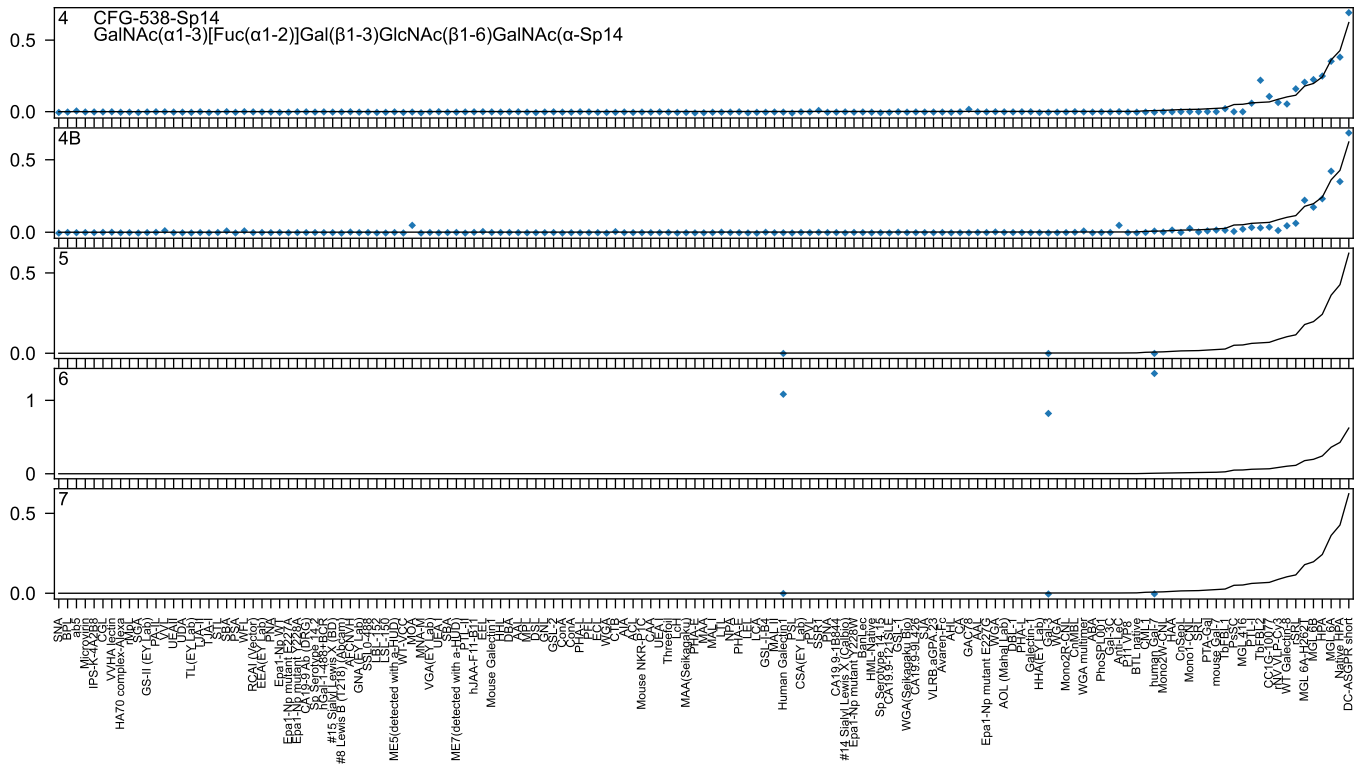

4
CFG-533-Sp0
Fuc(α1-2)Gal6OS(β1-3)GlcNAc6OS(β-Sp0
4B
5
6
7
0.5
0.0
MVA-M
ANA
EEL
GSL-I-B4
PNA
MAL I
MAL
MAA(Seikagaku)
GSL-I
BTA-Gal
TL(EY Lab)
WGA(Seikagaku Bio)
ACL
#15 Sialyl Lewis X (Bio)
DBA
PSL
Cramp
WFA
abo
PhoSP-1001
UEA I
Threepol
CnNE
CAA
#8 Lewis B (T218) (Abcam)
DSA
CSA(EY Lab)
PAA
ABX
CA19.9-18844
CA19.9-Alb (GRG)
CA19.9-Alb (GRG)
Epa1-Np mutant Y227A
#14 Sialyl Lewis X (Calbiochem)
WT Galectin-1
GST Galectin-1
APCNVH
GAC28
Epa1-Np mutant Y227A
CA19.9-9-1
SSL1
HHA
ZEA
CA19.9-Alexa
HA70 complex-Alexa
HML-Saliva
MGL 416
B15
LBL-B15
NGal-1-488-B15
Epa1-Np mutant E227A
Bam-les
Sp Serotype 1
Sp Serotype 2
Epa1-Np mutant E227A
Sp Serotype 3
PJ4-L1
AVEL
SBA
SCA
VGA(EY Lab)
VGA(EY Lab)
VLRB-aGal(Lab)
LSL-Lec
Mouse Galectin1
PBA-1
Gal-3C
Mono1-KBA
MOA
WT-CGL
Mono2R-CNL
hJAA-F-B11
PNA
Mouse NKR-P1C
PFA
BF-1
CA19.9-121
SLE
PHA-E
PHA-L
CC1G-1007
Microvil
IPS-K-4A-488
LCH
Naive-HPA
MGL(EY Lab)
GNA(EY Lab)
ECA-Np 001
Mono2N-CNL
HHA(EY Lab)
DEL
Avarol
SSR-1
Gal-3
BTL naive
VGA
CTB
JAC-1
Galectin-1
P11-VPB
sNGL-488
sSNA-488
ToFBL2
CIA
SSB
MGL-488
ME7(detected with a-HUD)
MGL-488
UEA I
WGA mouse
UNIL
Human Galectin-1
SNA
ME5(detected with a-HUD)
RCA I(Lectin)
DFBL1
DC-ASGPR
AOL(Marial Lab)
AAL

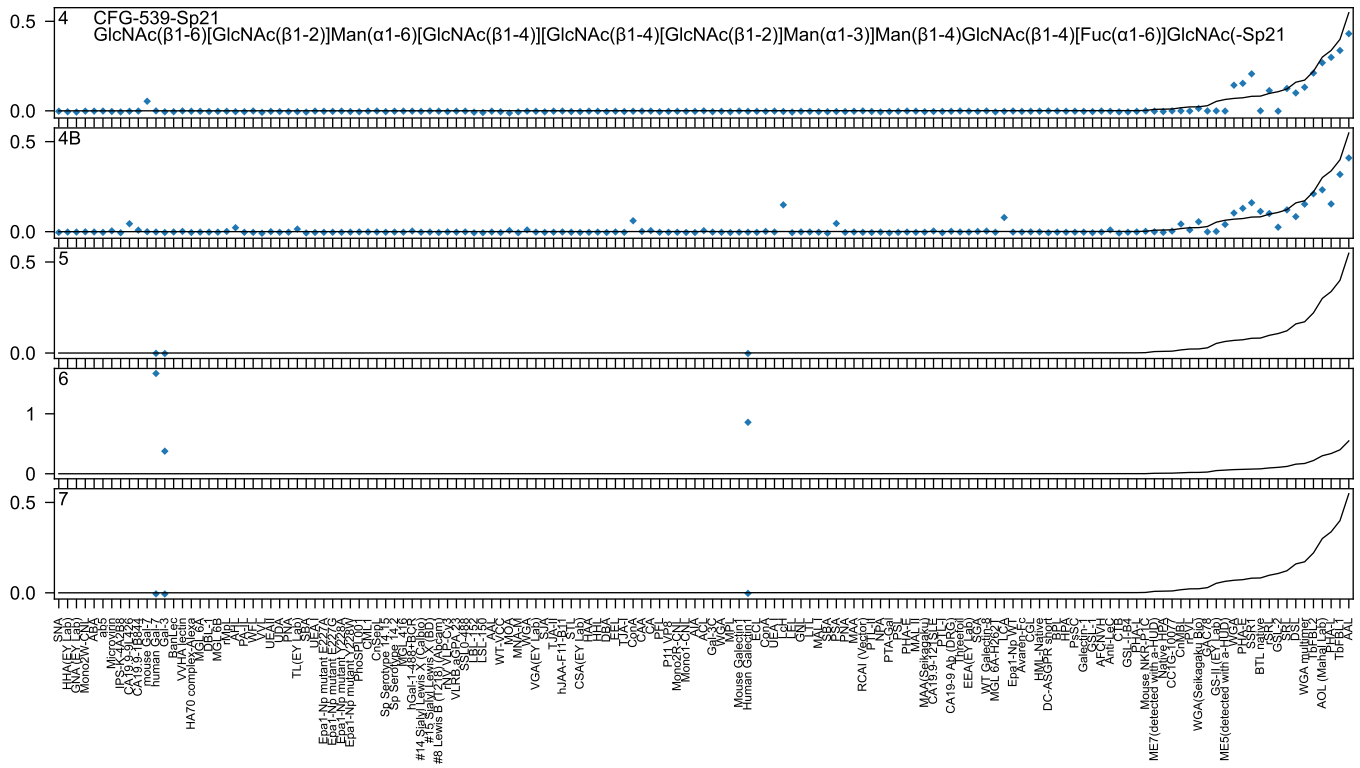

4
CFG-534-Sp8
Neu5Ac(α2-6)GalNAc(β1-4)GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H2627
GSL
SSA
Native LEA
TL(EY Lab)
UVA
nigra
PNA
PTL-I
EEA(EY Lab)
PHA-E
MAL I
MAA
#8 Lewis B (T218) (Abram)
DSA
BPL
SBA
ABA
Microvirin
IPs-CMH-4A2B8
CA19.9-12(SLE
mouse Gal-1
VGA(EY Lab)
Bah lec
HA70 complex
CA19.9-9.426
PTA-Gal
Epa1-Np
CCA
CA
Epa1-Np mutant Y228A
Mono2R-CNL
UEA I
Epa1-Np mutant E227G
Human Galectin1
Mouse Galectin1
Gal-16
WGA
GSL-2
PhoSPL-OG1
CrMBL
CA19-9 AD (DRG)
WT Galectin-1
HPA
GSL
DSL
Sp Serotype 14-75
#14 Sialyl Lewis X(Calbio)
CAA
LSL-150
Epa1-Np mutant Y228V
Sp Serotype 14-75
#19 Sialyl Lewis X(TBD)
ChSeq
VVL
PHA-E
GAC78
BTL
VLRB.aGPA-23
AAL
Galectin-1
CGL
MPL
hJAA-F11-B11
NWL
GNA (EY Lab)
ConA
Mono-GSL-1
CSA(EY Lab)
PAGL
hGal-1-498-PC
Mono2W-CNL
GS-II (EY Lab)
human Gal-3
WT-XCC
PT-IGB
AEGN(V)
HHA(EY Lab)
rNV VL Pro23
AOL (Mahal Lab)
DBA
Mouse NKP-PTC
SSL-10A
MAA(Seikagaku)
ME7(detected with a-PUD)
MGL S16
ME5(detected with a-PUD)
CCL-1(UOC)
CCL-2(UOC)
MPEBL1
RCA(Vector)
WGA mutant
WFL
WGA(Seikagaku)
MGL
CA19.9-1
SNA
DC-ASGPR short

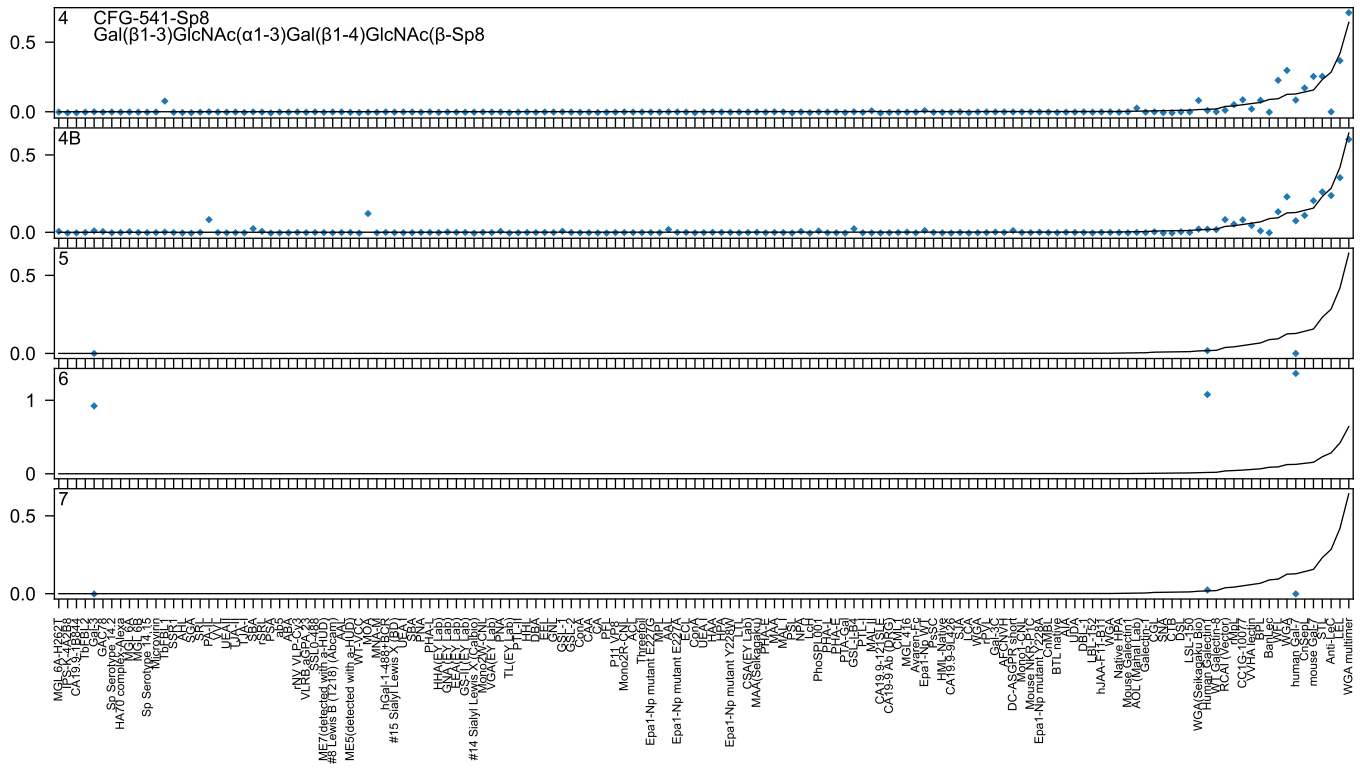

4
CFG-535-Sp8
GalNAc(β1-4)[Fuc(α1-3)]GlcNAc6OS(β-Sp8
4B
5
6
7
0.5
0.0
SIA
Native SIA
bPBL2
UEA
TL(EY Lab)
SBA
BSA
PTL-I
PTA-Gal
PNA
GNA (EY Lab)
MAL I
MAA
MAL II
DSL
ABA
Pitrovirin
SNA
CA19.9-126
CA19.9-299
#8 Lewis B (72189) (Abbott)
SNA
VGA(EY Lab)
MAA-AN
LBL-162
HA70.8 (Abbott)
VLRB.aa.Ale93
UEA1
PSL
LEL
NPA
Mono1-CNL
ACL
WT Galectin-8
Epa1-Np mutant Y222F
CTB
WGA
Mouse Galectin-1
Human Galectin-1
CorA
ConA
OAA
CAA
EEA(EY Lab)
GNL
DSL
LEA
GSL-I-B4
DBA
HPA
HAA
PNA
Sp Serotype 14-2
aPD
Avaren-Fc
CA19.9 Ab (Ab-73)
Epa1-Np WT
Epa1-Np mutant E227G
#15 Sialyl Lewis X (Abbott)
Epa1-Np mutant E227Q
PSA-E
Epa1-Np mutant E227G
MAA(Seikagaku)
#14 Sialyl Lewis X (Calbio)
CorA
Sp Serotype 14-15
Mono2B-CNL
PAL
GSA(EY Lab)
hJAC-F11-B11
HML-Native
CA19.9-121
LTA
SSL1-488
mouse Gal-7
Galectin-3C
PhosPhos01
human Gal-7
Mono2W-CNL
ISRR
IPS-K14-A288
GS-II (EY Lab)
HHA(EY Lab)
AF-CNO1
PTL-II
MOA
GSL-2
Mouse NKR-P1C
BTL native
MGL 6A-H-C62
RCA(Vector)
CC1(G-1 form)
AGL
rNV VLP-CV3
ME5(detected with a-HUD)
Amphi-Fc
WGA(Seikagaku Bio)
CGL
CGL-I
WGA
MGL-WT
MPE
WGA mutant
MOGA
WGA
Bap
AOL (Mapal Lab)
WGA-PA
TBP
PAL
DC-ASGPR short

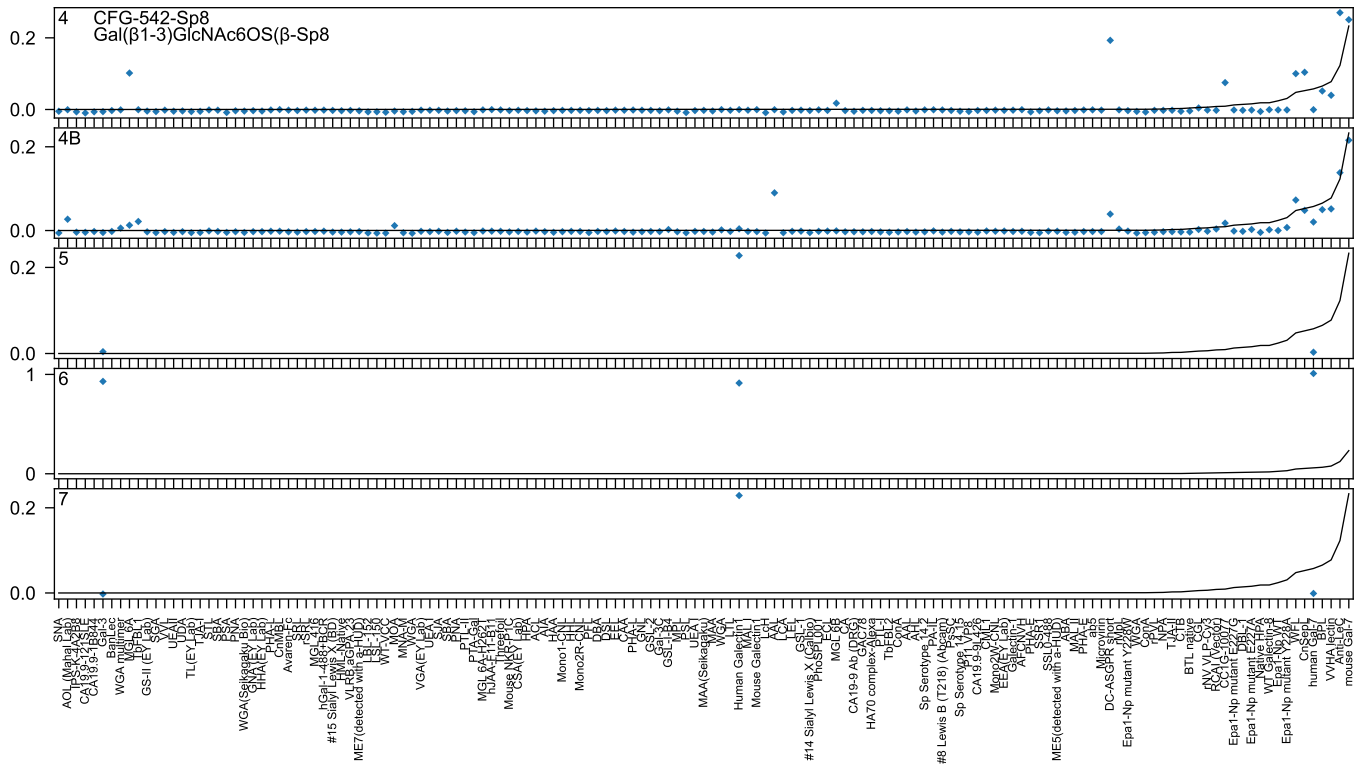

4
CFG-536-Sp8
GalNAc3OS(β1-4)[Fuc(α1-3)]GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
SMA
BNO
WGA(Seikagaku)
PNA
VVA
PTA
APC
VVL
UEAI
TDA
TL(EY Lab)
Native PTA
PSA
PTA
PTA-Gal
MAA
MAA(Seikagaku)
PHA-E
PHA-L
SGA
VLRB
SSL2-488
SSL2-488
BPL
GS-II(EY Lab)
CAA(EY Lab)
GNA(EY Lab)
human pgal7
PNA
PNA
SJA
HA70 complex-Alexa
MNA-M
MNA-M
MOA
rMOL
MAL1
MAL1
Mono2W-CNL
WGA
WGA
AIA
Mono1-CNL
Mono2R-CNL
ChSepl
CA
CA
Epa1-Np mutant E227A
GSL-I-A4
GSL-I-B4
GNL
GNL
EEL
DBA
Galectin-1
PCL
PCL
LEL
LEL
CA
CA
Human Galectin1
CSA(EY Lab)
GSL-I-B4
CNBA
HAA
HAA
Anti-Lec
PNGase F
Mouse Neuraminidase
Baml-lec
Sp Serotype 1-2
Sp Serotype 1-2
GAC78
Epa1-Np mutant Y262A
CGL
CGL
VGA(EY Lab)
PRA
PRA
WT Galectin-8
Sp Serotype 1-1
TJA-I
CA19-9 Ab (DRG)
#14 Sialyl Lewis a (Abcam)
Epa1-Np mutant E227G
CA19-9 (Creative)
hGal-1-488+BSA
PTL-II
PTL-II
Macrocystin
MGL 6A-Fc(EY Lab)
Lch
Lch
PCA
PCA
LBL-152
DSA
AAL
CA19-9 (BBI)
Epa1-Np WT
Epa1-Np (Vector)
RCA(Vector)
RCA
HMA-lectin
MGL-188
hJAA-FITC
STL
HHA(EY Lab)
Epa1-Np WT
#15 Sialyl Lewis X (1B6)
#8 Lewis B (T218) (Abcam)
SNA
ME7(detected with a-HUD)
CTB
CTB
MGL 4.16
Galectin-1
SSL
Mouse Galectin-1
Galectin-1
WT Lectin
IPS-K-4(WGA)
PCA
PCA
FAA
FAA
CGL
CGL
TbBL2
WGA mutant
WFL
mouse Gal7
MGL
CC1G-1(WGA)
WVL
DC-ASGPR-Native
BTL
CMCL
ME5(detected with a-HUD)
ACL
ACL
Tra-ACL
AOL (Matal Lab)
AAL

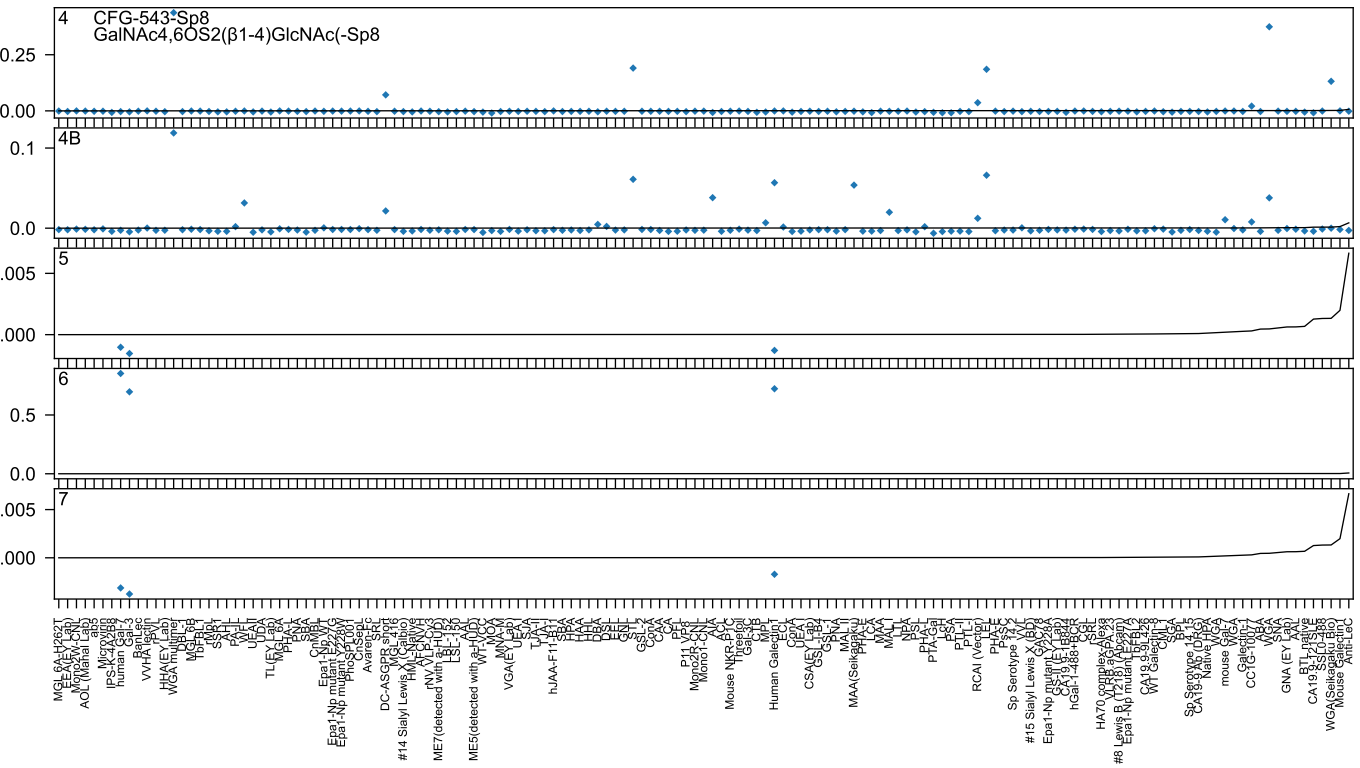

4
CFG-537-Sp14
Fuc(α1-2)Gal(β1-3)GlcNAc(β1-6)[Fuc(α1-2)Gal(β1-3)GlcNAc(β1-3)]GalNAc(α-Sp14
0.25
0.00
4B
0.2
0.0
5
0.2
0.0
6
1
0
7
0.2
0.0
SNA
GNL
MNA
HAT
VGA
VGA(EY Lab)
PNA
IPS-K-4
Vaba
MAL II
Native HPA
PGA
Gal
PSA
GSA
GSB
LSL-I55
LSL-I60
TL(EY Lab)
SSL0488
ONA
MGA
CAA
PhaSP
hGal-1
hGal-1 (RB)
CTLRB aGPR
Mouse NKR-P1C
Threonin
MGL-1
CA19-9 Ab (DRG)
Sp Serotype 14
Sp Serotype 1
MAA(Seikagaku)
Epa1-Np mutant E2
Epa1-Np mutant E27
Epa1-Np mutant E27 A
Mono1-CNL
CA19-9 (BBI)
Epa1-Np mutant (EY Lab)
LBL-152
#15 Sialyl Lewis X (RD)
Sp Serotype 14/15
SVL
SVA
#14 Sialyl Lewis X (Calbio)
MGL 6A-Hybrid
Epa1-Np mutant 12
hJAA-F11-B11
CA19-9-IgM
PHA-L
UEA-I
GBL-1
Mono2W-CNL
DSA
TJA-I
PsaS
HML-Native
Mono2R-CNL
Galectin-1
EEL
GSL-I-B4
ECL
PTA
ABA
PHL
#8 Lewis B (T218) (Calbio)
Galectin-3
CSA(EY Lab)
HA70 complex
Bauhinia
EEA(EY Lab)
LTA
LCA
MGL-1
PWM
WFA
WGA
OAA
BPA
Microvirin
HHA(EY Lab)
UDA
Avenin A
WGA(Seikagaku)
AIA
GS-I(EY Lab)
Epa1-Np
TKA
MPL
AAL
PHA-E
PHA-L
Galectin-1
WGA mutant
cA19-9-27
CGA
nNV VLP-S3
SBA
PEL
CCL
CC1G-10077
rSRL
RCA
ALL(Vector)
DC-ASGPR short
Mouse Galectin-1
Human Galectin-1
TgBL2
AOL (Mat a-HOP)
MEZ(detected with a-HOP)
MEs(detected with a-WIP)
Anti-LeC
Anti-LeB
VVA
Galectin-3
CnSap
human BPI
mouse Gal-7

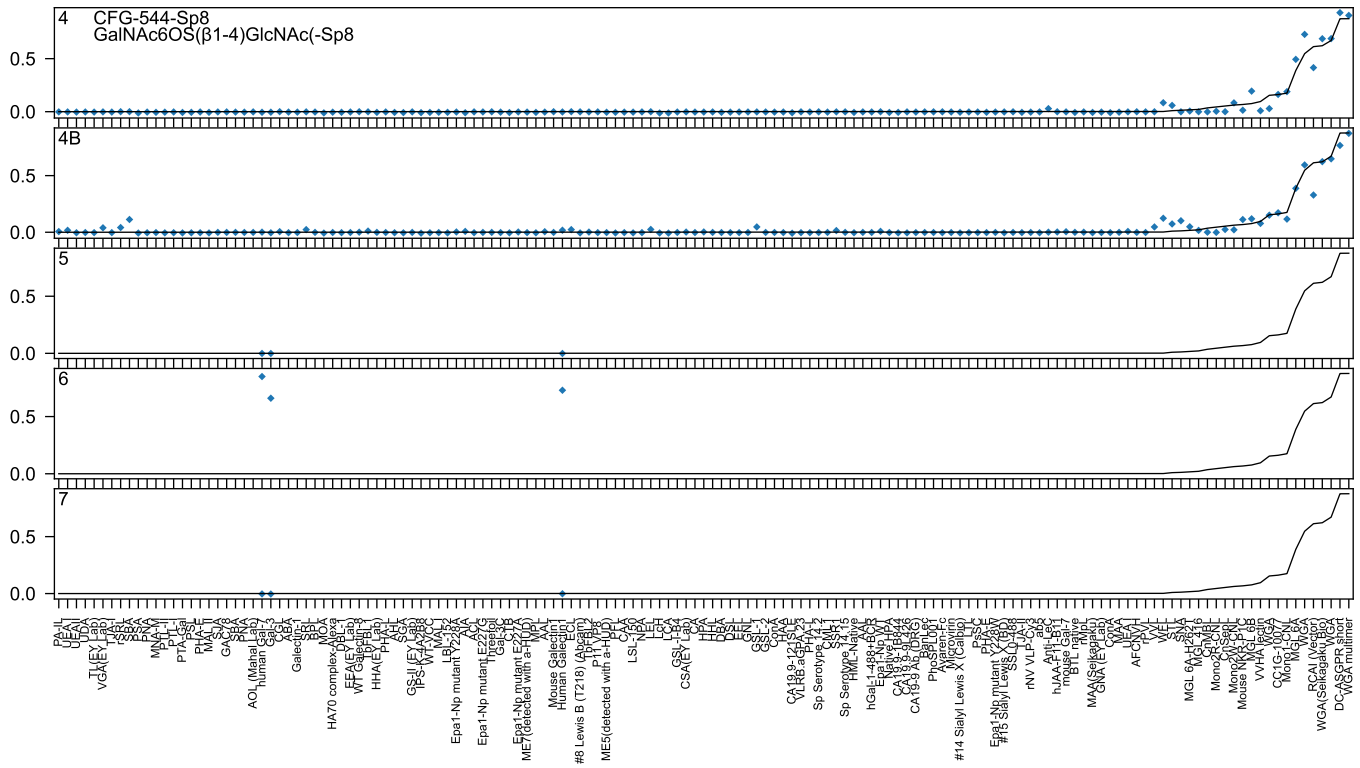

4
CFG-538-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-6)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
ab5
Mouse
IPS-KX2B8
IgG
VVHA (Lab)
HA70 complex-Alexa
Nipa
Nipa
GS-II (EY Lab)
PVL
UEAI
UEAI
TL(EY Lab)
DAI
DAI
VAT
STL
BSA
BSA
WFL
RCAI (Vector)
PNA
PNA
Epa1-Np mutant E227A
Epa1-Np (Vector)
Epa1-Np (Vector)
Sa Serotype 14-2
Sa Serotype 14-2
#15 Sialyl Lewis X (BD)
#8 Lewis B (T218) (Lab)
GNA (EY Lab)
SSL-188
LSL-150
ME5(detected with a-LUD)
MOA
MOA
VGA(EY Lab)
UEA
ME7(detected with a-LUD)
hJAA-F11-B1
EEL
Mouse Galectin-1
DBA
MPL
PSL
GSL-2
ConA
PHA-L
ECL
VGA
AIA
Mouse NKR-P1C
CAA
Thrombin
UCA
MAA(Seikagaku)
PHA-E
MAL
LTL
PHA-E
LEL
GSL-I-B4
MAL I
Human Galectin-1
PSL
CSA(EY Lab)
SSA
SSA
CA19-9-1B44
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E227G
BanLec
HML-Naive
Sp Serotype 14
CA19-9-1SLE
CA19-9-1
WGA(Seikagaku)
CB
VLRB.aGPA-23
VLRB.aGPA-23
Avaren-1F
CA
CA
GAC/8
Epa1-Np mutant E227G
AOL (Maha Lab)
PBL-1
Galectin-1
HHA(EY Lab)
WGA
WGA
Mono2Cy Mal
WGA multimer
PhoSP (BD)
Gal-3C
Gal-3C
ATA
P11 Vpe
BTL native
human Gal-7
Mono2W Gal-7
HAA
HAA
ConSeq
Mono1
SSL
PTA (Lab)
mouse Galectin-1
TgFBL1
TgFBL1
MGL 316
TgFBL1
Thrombin
GC1Gal-Cy3
WVA Galactose
SSL
MGL 6A
MGL 6A
HPA
HPA
MGL 6B
Naive HPA
DC-ASGPR short

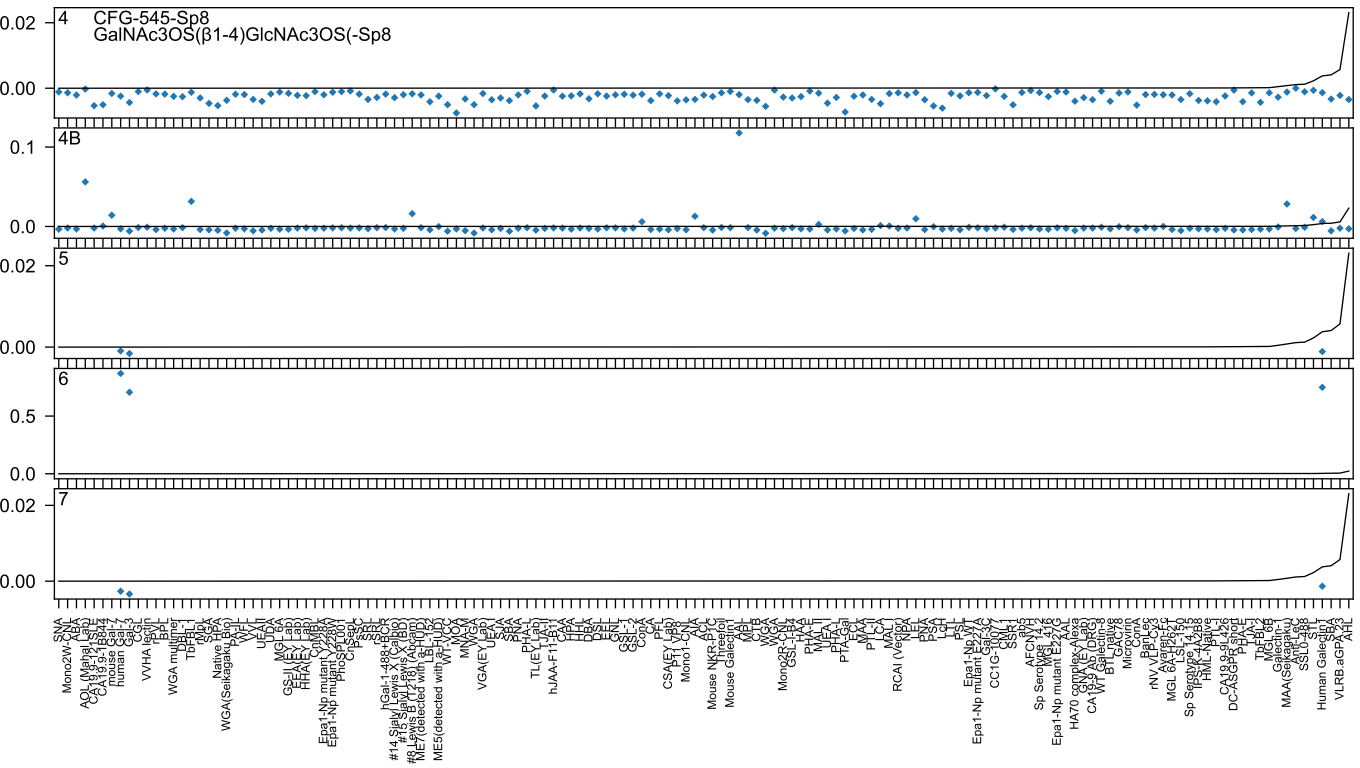

4
CFG-539-Sp21
GlcNAc(β1-6)[GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-4)[GlcNAc(β1-2)]Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
HHA(EY Lab)
GNA(EY Lab)
Mono2W-Alexa
ABA
aba
Micro
IPS-1-4-2288
CA19-9-1-1829
CA19-9-1-1830
mouse Gal-7
human Gal-3
BanLec
VVA
HA70 complex-Alexa
MGL6A
MGL6B
MGL6B
MAL
PAL
PAL-I
VVL
UEA-I
UEAI
PHA
PHA
TL(EY Lab)
LEA
Epa1-Np mutant UEA
Epa1-Np mutant E221A
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
PhosPTP01
CML1
CML1
Sp Serotype 14 15
Sp Serotype 14 15
Sp Serotype 14 6
#14 Sialyl Lewis X (BD)
#15 Sialyl Lewis X (BD)
#8 Lewis B (Y218) (Abcam)
vLRR-aGPA33
SSL-188
LSL-188
LSL-188
WT-ACC
WT-ACC
MNA
MNA
VGA(EY Lab)
VGA(EY Lab)
hJAA-F11-TJA-I
hJAA-F11-STL
CSA(EY Lab)
HHA
HHA
DBA
DBA
TJA-I
TJA-II
CAA
CAA
PCA
PCA
P11
VFS
Mono2R-CNL
Mono1-CNL
AIA
ACG
ACG
GNA
GNA
WGA
Mouse Galectin-1
Human Galectin-1
CGA
CGA
UEA-I
UEA-I
LEL
LEL
GNL
GNL
MAL I
MAL I
BSA
BSA
PNA
PNA
RCA I (Vector)
RCA I (Vector)
PNA
PNA
PTA-Gal
PNA
PLA
PLA-E
MAL II
MAL II
MAA(Sialyl-2,3-Lactose)
CA19-9-1-1828-LE
CA19-9 Ab (DRC)
Thyroglobulin
EEA(EY Lab)
EEA(EY Lab)
WT Galectin-8
MGL 6A-H2O-A
Epa1-Np WT
Avarol
CGC
HMA-Native
DC-ASGPR-Fc-Alexa
BPL
BPL
PSSG
Galectin-1
AF-CNV-1
Anti-Leg
GSL-I B4
Mouse NKR-P1C
ME7(detected with a-LUD)
CCRF-1022
CCRF-1022
CMBB
WGA(Seikagaku Biog)
GS-II (EY Lab)
ME5(detected with a-LUD)
PNA-E
SSR1
BTL mature
GSL-I
GSL-I
DSL
WGA mutant
AOL (Maha Lab)
TcFBP-1
AAL

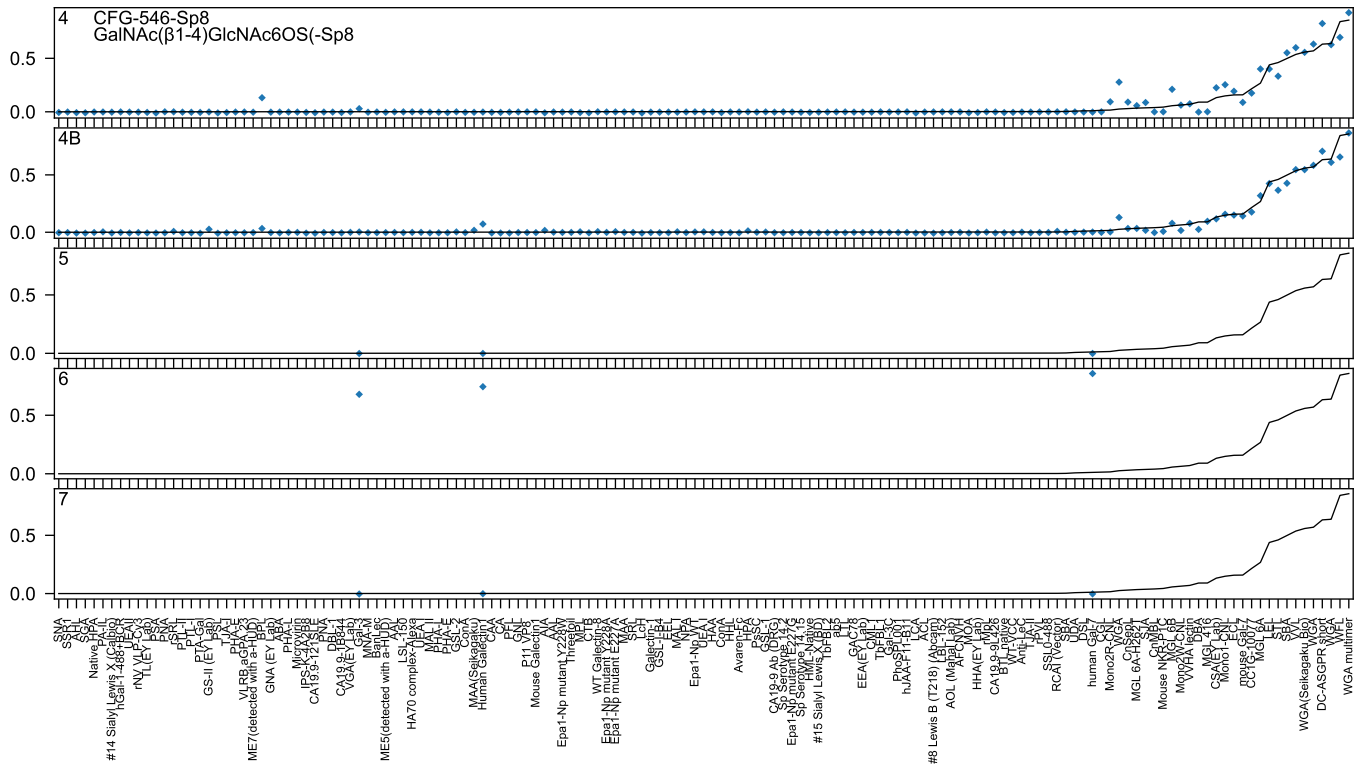

4
CFG-541-Sp8
Gal(β1-3)GlcNAc(α1-3)Gal(β1-4)GlcNAc(β-Sp8
4B
5
6
7
0.5
0.0
1
0
MGL 6A-1-H2267
Human Gal-3
CA19.9 c-1B844
Tn
Gal-3
GAC73
Sp Serotype 4 Alexa
HA70 complex Alexa
MGL 66
Sp Serotype 14, 15
Mouse Galectin-1
SSR1
SGA
SGL
PNA
VVL
UEA-I
LCA
SBA
PSA
ABA
ABA
vLN V.P.-C-33
vLRG vDP-C-33
SSL2-488
SSL2-488
#8 Lewis B (12.189) (Acetylated)
ME7(detected with a-Fuc)
ME5(detected with a-Fuc)
WT-VCG
WGA
MOA
MOA
hGal-1-488+BCB
#15 Sialyl Lewis X (JED)
SBA
SBA
PHA-L
PHA-E (EY Lab)
PHA-L (EY Lab)
PHA-E (EY Lab)
#14 Sialyl Lewis X (JED)
Gal-1 (EY Lab)
Gal-2 (EY Lab)
Gal-3 (EY Lab)
Gal-7 (EY Lab)
WGA(EY Lab)
TL(EY Lab)
PAA
HPA
DBA
GNL
GSL-2
CON A
CA
PPL
P11 VPF
Mono2R-CNL
AOL
Thrombin
Epa1-Np mutant E227G
AOL
Epa1-Np mutant E227A
CON A
UEA
LCA
HPA
Epa1-Np mutant Y228W
CSA(EY Lab)
MAA(Seikagaku Biol)
PNA
WGA
PSL
NPA
PhoSPLD01
PHA-E
PHA-L
GSL-2
PTL-I
MAL I
CA19.9 - 2
CA19.9 Ab (DRG)
MGL 416
Avaren VFL
Epa1 Np
PsSC
CA19.9-9B78
HML (Naiya)
SVA
WGA
WGA
PVL
GNL
DC-ASGPR short
AFCNYH
Mouse NKR-P1C
Epa1-Np mutant Cx228A
BTL native
UEA
DBL-1
LF-1
hJAA-F11-B31
Native VHA
Mouse Galectin1
AOL (Naiya Lab)
Galectin-1
SGL
SGB
DSL
LSL
WGA(Seikagaku Biol)
Human Galectin-1
RCA(Vector)
CC1G-1007
VVHA (Iseli)
Bandeiraea
Lec
WGA
WGA
human Gal-7
mouse Gal-7
STL
Anti-LEC
WGA multimer

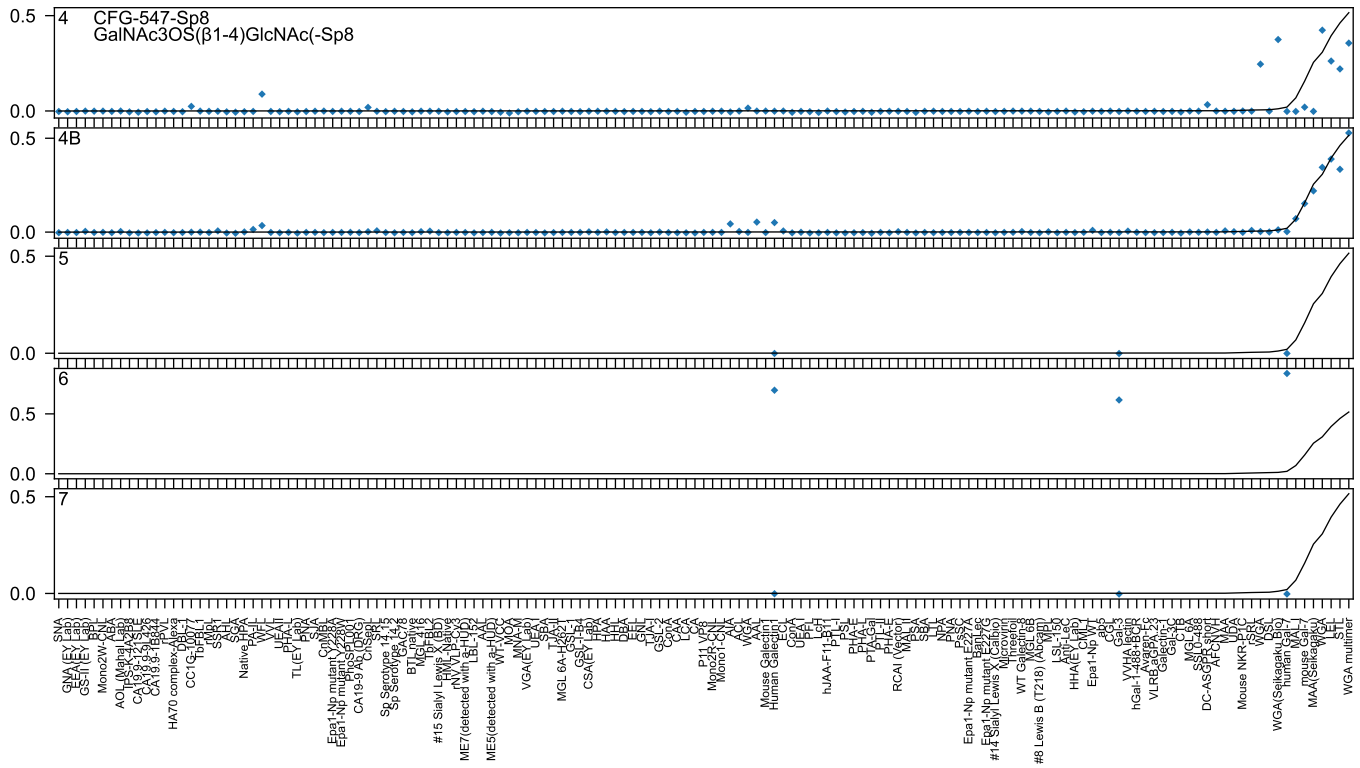

4
CFG-542-Sp8
Gal(β1-3)GlcNAc6OS(β-Sp8
4B
5
6
7
0.2
0.0
1
0
SNA
LTA
AOL (Mahal Lab)
TPSK-4-Ab
CA19-9 (Abcam)
CA19-9 (BD)
Gal-3
Barley lectin
WGA multimer
UDA(EY Lab)
GS-II (EY Lab)
SVA
VVA
UEA1
TL(EY Lab)
TJA-I
SBA
PNA
DBA
WGA(Seikagaku Bio)
PHA(EY Lab)
PHA-L
ConA
Avaren-Fc
SBA
SBB
hGal-1-Fc
MGL-4-18
#15 Sialyl Lewis X (BD)
HMC-Native
ME7(detected with a-HuD)
VLE-Native
LBL-155
WT-LCC
MWOA
WGA
VGA(EY Lab)
SSA
SNA
PNA
PTA-Gal
MGL 6-1-H261
hJAA-Fc-Biot
Mouse NK-PTC
CSA(EY Lab)
HPA
ACA
AOL
HAA
Mono1-Fc
Mono2R-Fc
DBA
DSL
CAA
PTA-Gal
GSL-I-B4
GSL-I-A4
MPL
UEA1
MAA(Seikagaku)
WGA
VGA
Human Galectin-1
MAL1
Mouse Galectin-1
LCA
PSA
LEL
#14 Sialyl Lewis X (Abcam)
PhoSPLD1
MGL-6-8
CA19-9 Ab (DRG)
GAC78
HA70 complex-Alexa
TnEBL2
CAA
ACL
AIL
Sp Serotype 1
PA-LE
#8 Lewis B (T218) (Abcam)
Sp Serotype 14
Sp Serotype 14-35
CA19-9 (Y126)
CML1
Mono2(EY Lab)
Galectin-1
Galectin-7
PHA-E
SSL-Stx
SSL-Stx8
ME5(detected with a-HuD)
MAP1
PHA-E
Microvillin
DC-ASGPR short
Epa1-Np mutant Y288N
WGA
CPA
PVA
TJA-I
CTB
BTL mutant
PGM
RNA VLP-C03
CCTG-200077
Epa1-Np mutant E288A
Epa1-Np mutant E288Q
Epa1-Np mutant Y288A
WT Galectin-8
Epa1-Np mutant Y288F
Epa1-Np
WFL
human GnSep1
BPL
VVHA Hcec
Anti-Hcec
mouse Gal-7

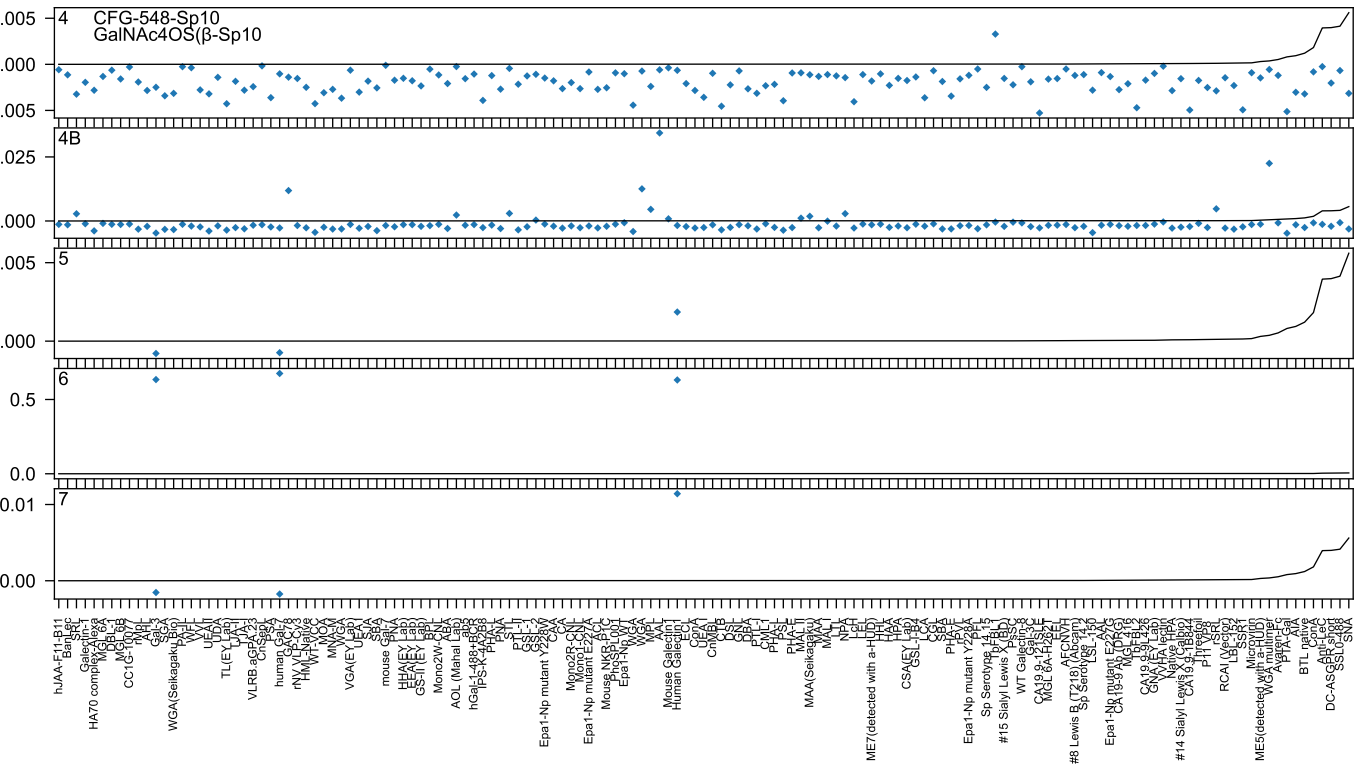

4
CFG-543-Sp8
GalNAc4,6OS2(β1-4)GlcNAc(-Sp8
0.25
0.00
4B
0.1
0.0
5
.005
.000
6
0.5
0.0
7
.005
.000
MGL 6A (EY Lab)
CEA (EY Lab)
Mono2R-CNL
AOL (Marial Lab)
IPS
Microvibin
human Gal-7
Gal-3
Bauhinin
VVHA-scin
HHA(EY Lab)
WGA mutant
MGL-D8
TbRBL1
SSA1
PAL
AAL
WFL
UEA
TL-I (EY Lab)
MAL
PHA-L
SBA
CrKM
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
PhoCSecl
CnSecl
AvaeSEC
DC-ASGPR short
WGA (Lab 16)
#14 Sialyl Lewis X (BD)
HMLenavin
rNV CVLP-CV3
ME7(detected with a-HUD)
LSL-155
ME5(detected with a-HUD)
WT-XCC
MWAOA
VGA(EY Lab)
UDA
LTA-I
hJAA-F11
B11
SBA
LAA
HAA
DBA
DSL
GNL
GSL I-B4
CoPA
CaCA
CGA
PPL
P11
Mono2R-CNL
Mono1-CNL
ACL
Mouse NKR-P1C
Human Galectin-1
Galectin-3
MPL
Human Galectin-1
CGA
CEA (EY Lab)
CSA(EY Lab)
GSL I-B4
GNA
PNA
MAA(Seikagaku)
PHA-E
PHA-L
MCA
MAL I
NPA
PSL
PNA
PTA-Gal
PSA
PTL-I
PTL-II
RCAI (Vector)
LEL
PhaSE
PhaSC
Sp Serotype 14.2
Sp Serotype 14.2
#15 Sialyl Lewis X (BD)
Epa1-Np mutant G227A
Epa1-Np mutant Y228A
GS-II (EY Lab)
hGal-1488-HCH
CSL
HA70 complex-Alexa
#8 Lewis B (VOTRIS)
Epa1-Np mutant E227A
WT Galectin-8
CA19.9 (BT 126)
CGA
BPL
Sp Serotype 14.2
CA19.9 (DRG)
Native WCA
mouse Gal-7
Galectin-1
CCTG-10077
WCA
WGA
SNA
AAL
GNA (EY Lab)
BT-1 (BSIVE)
SsLO-488
WGA(Seikagaku)
Mouse Galectin-1
Anti-LeC

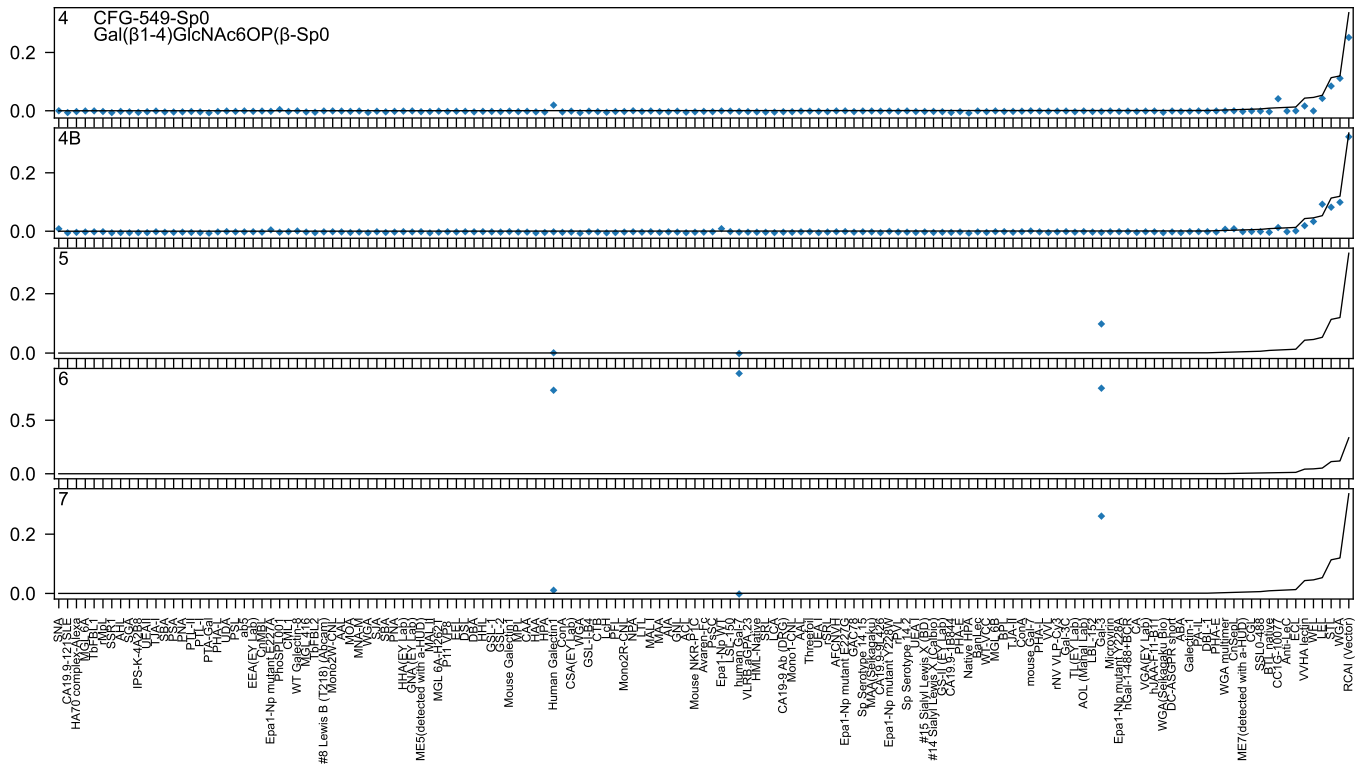

4
CFG-544-Sp8
GalNAc6OS(β1-4)GlcNAc(-Sp8
4B
5
6
7
0.0
0.5
PA-IL
UEA-I
UEA-II
TJA-I
TJA(EY Lab)
VGA(EY Lab)
rSBL
SSA
PNA
MAA-M
PTL-I
PTA(EY Lab)
PSL
PNA-T
MAA-T
SNA
GNA
PNA
AOL (Mahal Lab)
human Gal-2
Gal-3
ABA
Galectin-1
BPL
HA70 complex-Mozo
Mozo
EEA(EY Lab)
EEA(DBL-1)
VF Galectin-8
HHA(DBL)
PHA-L
SGA
GSII (EY Lab)
IPS-Wyoo
WFA-Wyoo
LBA
Epa1-Np mutant Y228A
AIA
AAL
Epa1-Np mutant E227G
Galectin-3
Galectin-7
Epa1-Np mutant E-TOD
ME7(detected with a-TOD)
MPL
Mouse Galectin1
Human Galectin1
#8 Lewis B (T218) (Abcam)
P1 (Y-Bio)
ME5(detected with a-TOD)
CAA
LSL-NBA
LEL
LCA
GSL-I-B4
ECA
CSA(EY Lab)
PHA
HPA
DBA
PSL
GNL
GSL-2
CORA
CA19-9-121SLE
VLRB a-CA19-9
CA19-9-123
Sp Serotype 14-2
SSL1
Sp Serotype 14-15
HMC-Nagao
hGal1-488-BOS
Naive-HPA
Naive-UEA
CA19-9-9236
CA19-9 Ab (DRG)
PhoSL001
Avaren-Fc
#14 Sialyl Lewis X (Calbiq)
PaSJC
PHA-E
Epa1-Np mutant Y228A
#13 Sialyl Lewis X (TOD)
SSL-148
rNV VLP-Cy3
abo
hJAA-F11-B11
mouse salivary
MPL
MAA(Seikagaku Lab)
GNA(EY Lab)
CORA
UEA-I
AF-CNVI
VVL
SST
SNA
MGL 6A-H-B
MGL 416
Monoclonal
CriSerpl
Mouse NK-92-PTC
Mouse NK-92
MGL 6B
VVHA
WGA
CCG-10077
Mouse IgG
MGL-BA
RCAI (Vector)
WGA(Seikagaku) (Bio)
DC-ASGPR short
WGA multimer

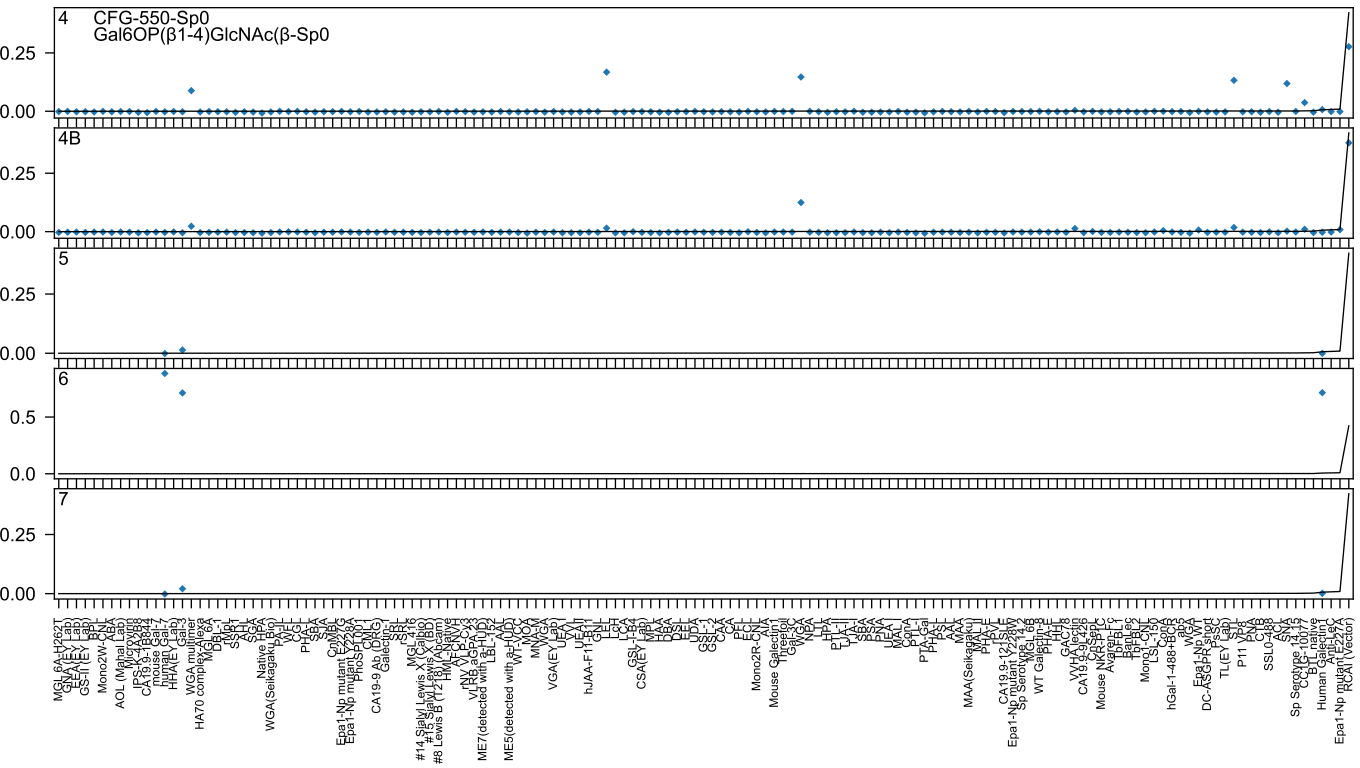

4
CFG-545-Sp8
GalNAc3OS(β1-4)GlcNAc3OS(-Sp8
0.02
0.00
4B
0.1
0.0
5
0.02
0.00
6
0.5
0.0
7
0.02
0.00
SNA
Mono2W-SNA
ABA
AOL (Motif I)
CA19.9-1
CA19.9-18844
Chromo-Galectin-8
human Gal-7
Gal-3
VVHA lectin
BPL
WGA multimer
TBPBL-1
WGA
Native UEA
WGA(Seikagaku Bio)
WF
UEAII
UDA
MGL
GSL-II(EY Lab)
HHA(EY Lab)
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
PhoSPC001
OAA
Psa-C
SBA
SSL8
#14 Sialyl Lewis A (Abcam)
#13 Sialyl Lewis A (Abcam)
#8 Lewis B (1-218) (Abcam)
ME7(detected with anti-HUD)
ME5(detected with anti-HUD)
WFA
MOA
MVGA
VGA(EY Lab)
UEA
SBA
PHAL
TL(EY Lab)
hJAA-F11-B11
CPA
HPA
LEL
DSA
GSL-I
Gal-1
Gal-2
Gal-4
Gal-8
CSA(EY Lab)
PT1-VR8
Mono1-AIA
Mouse NKR-P1C
Threefold
Mouse Galectin-1
MPA
WGA
VCA
Mono2R-WGA
GSL-I-B4
PNA
MAL II
PTA
PTA-Gal
MAA
PTL-I
TJA-I
MAL I
RCAI (Vector)
RIPA
PHA-E
PSA
LCA
PSL
Epa1-Np mutant Y271A
Epa1-Np mutant Y271A
Galectin-3C
CC1G-Galectin-1
CNL1
SSA
SSR1
AFCN
Sp Serotype 14
Sp Serotype 14
Epa1-Np mutant E227G
HA70 complex-Alexa
GNA(EY Lab)
CA19.9-CD
WT Galectin-8
BTL-Galectin-8
Galectin-9
Microvirin
CGA
BanLec
rNV VP-Cx3
MGL 6A1-D2E7
LSL-152
Sp Serotype 4 A288
PSA-P-4 A288
HML-Native
CA19.9-sLe
CA19.9-sLe
DC-ASGPR-BAGE
BAGE
TKA-1
MGL-D6
Galectin-1
MAA(Seikagaku)
Galectin-1
Ant-LeX
SSL0-SP8
Human Galectin1
VLRB.aGPA
AHL

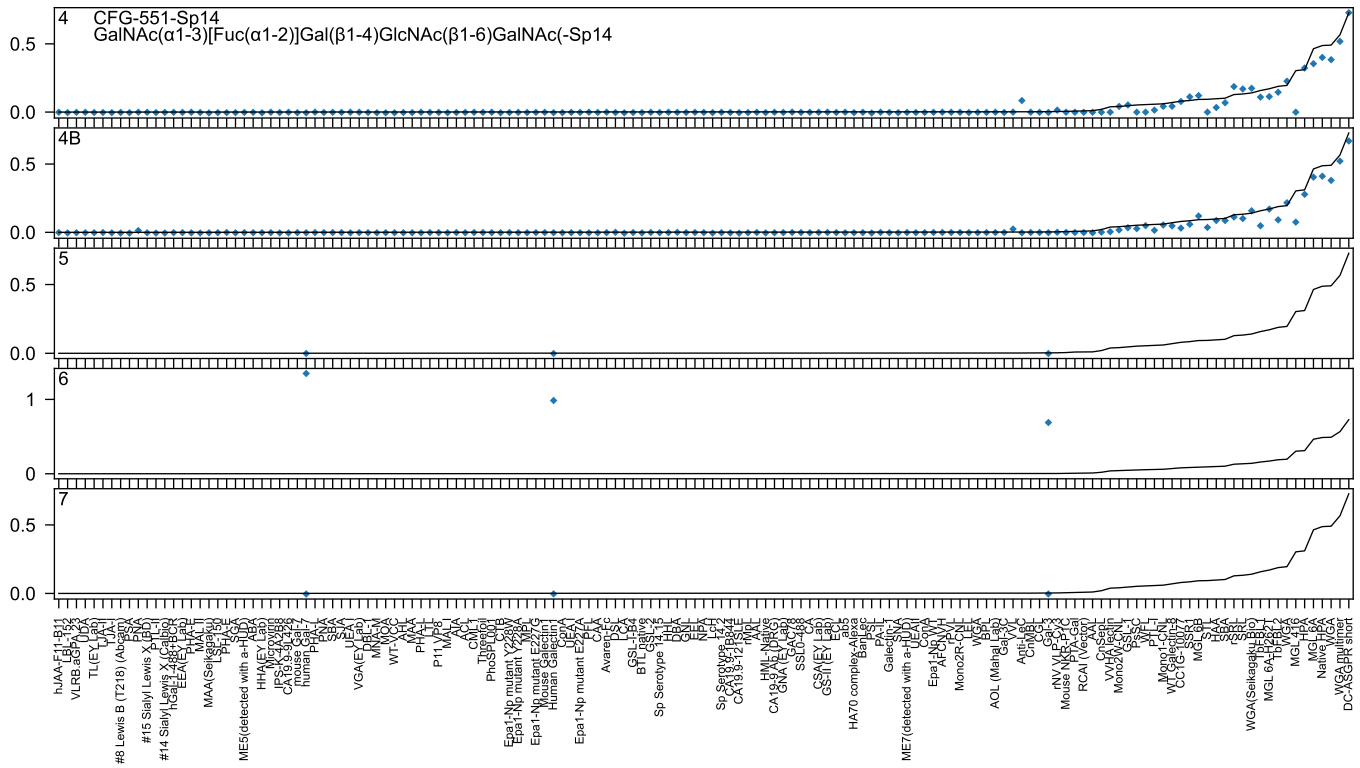

4
CFG-546-Sp8
GalNAc(β1-4)GlcNAc6OS(-Sp8
4B
5
6
7
0.0
0.5
SNA
SSA
ACL
ABL
Native PPA
PAL
#14 Sialyl Lewis X (Cer)
hGal-1 488+BGG
rNV VLP (EY Lab)
HL(EY Lab)
PNA
PSA
PSR
PTL-I
PTL-II
EVA-Gal
GS-II (EY Lab)
PSL
TJA-I
PHA-E
VLRB.aGPA 23
ME7(detected with a+HUD)
BPL
GNA (EY Lab)
PHA-L
MPA
IPS-Microvilli
CA19.9-12-SLE
CA19.9-1
DBA
CA19.9-1488
VGA(EY Lab)
Gal-3
MAA-N
MAA-M
ME5(detected with a+HUD)
LSL 100
HA70 complex-Alexa
MAL I
PHA-E
GSL-2
Con A
MAA(Seikagaku)
Human Galectin1
CAA
PFL
P11
VP8
Mouse Galectin1
AAL
Epa1-Np mutant Y226W
Thrombin
MPL
WT Galectin-8
Epa1-Np mutant E229A
Epa1-Np mutant E227A
MAA
SGA
Galectin-1
GSL-I B4
MAL II
Epa1-Np WT
UEA
CGA
AvaraHA
HEA
HPA
GSL-I
CA19-9 Ab (DRG)
Epa1-Np mutant E227G
Sp Serine/Threonine
#15 Sialyl Lewis X (BD)
TBP-B
ABC
CTA
EEA(EY Lab)
GAL
PBL
Tomato
Gal-3C
hJAX-PT1-B11
LCA
#8 Lewis B (T218) (Ab-cam)
BL-152
AOL (Mouse)
APOVO1
HHA(EY Lab)
CA19.9-o
MPL
CA19.9-native
BT-474
WT-TCC
Ara-H1
LAI
SSL(T-48)
RCA(Vector)
SBA
human Galectin-7
DSL
Mono2R-CSL
Cn-B
MGL 6A-H2271
Mouse NK Cell
MGL 68
Mono2W-CNL
VVA
DBA
MGL 416
CSA-1
Mono1-CNL
mouse Gal-7
CCTG-10077
MGL 1
LEL
SJA
VVL
WGA(Seikagaku)
DC-ASGPR short
WFL
WGA multimer

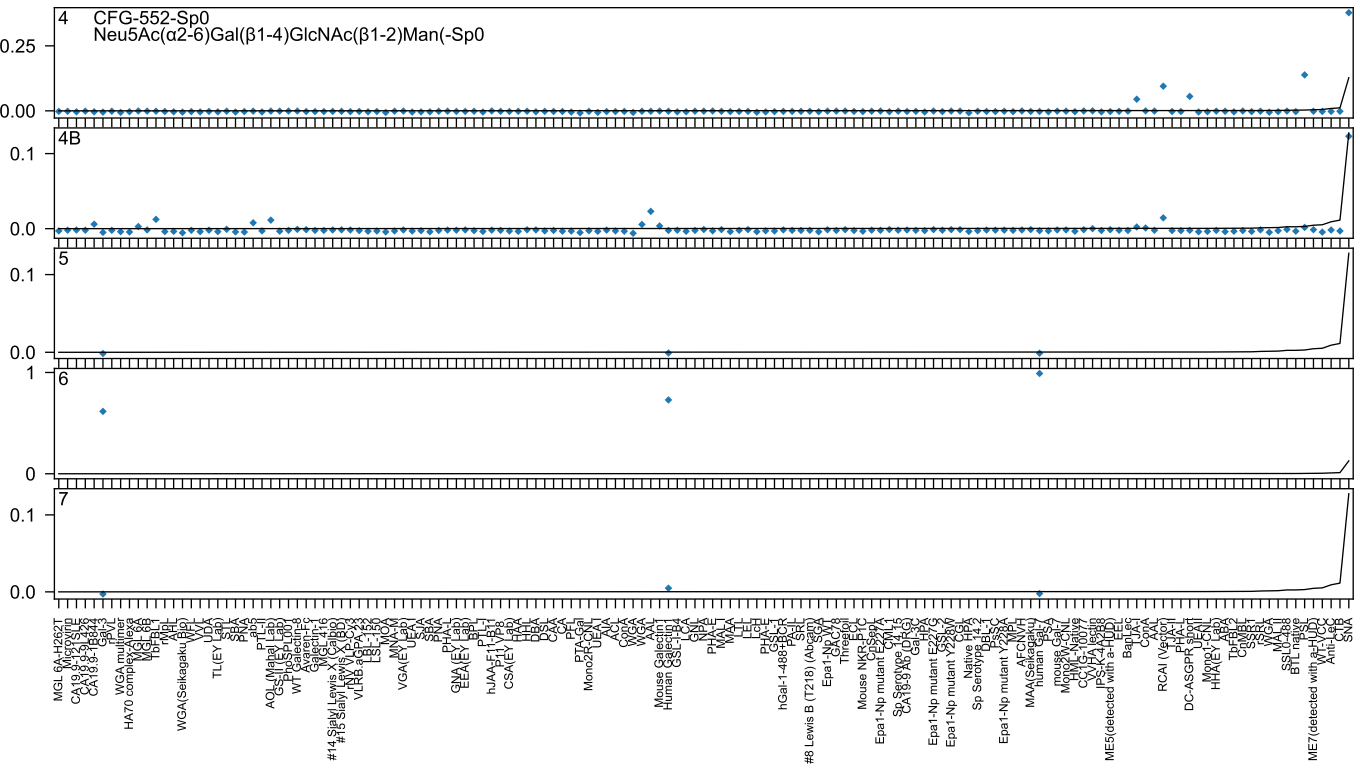

4
CFG-547-Sp8
GalNAc3OS(β1-4)GlcNAc(-Sp8
4B
5
6
7
0.5
0.0
SNA
GNA (EY Lab)
ECA (EY Lab)
GS-II (EY Lab)
BPL
Mono2W-CNL
AOL (Mahal Lab)
CA19.9-4-42-PE
CA19.9-3-126
CA19.9-F-126
IgM
HA70 complex-Alexa
CC1G-T0077
TbFBL1
SSA
SCA
Native-PFA
TxRed
WFL
LYA
UEA
PHAL
TL(EY Lab)
PAA
SNA
SNA
CrmB
Epa1-Np mutant Y228W
Epa1-Np mutant S229W
CA19-9 Ab (DRG)
CHSeq
Sp Serotype 14
Sp Serotype 15
Sp Serotype 16
BTL (native)
MPA
DBA
#15 Sialyl Lewis X (BD)
nNV1 (Lab)
ME7(detected with Lt-1)
L-PHA
ME5(detected with Lt-1)
AAL
WGA
MNA
VGA(EY Lab)
UEA
LEA
TJA-I
MGL 6A-T
GSL-I
GSL-I-B4
CSA(EY Lab)
HPA
LTA
HAA
DBA
SBA
ERL
GNA
GSL-I
CCA
CAA
CCA
P11
Mono23-VR
Mono1-CNL
AOA
VGA
ACA
Mouse Galectin1
Human Galectin1
CGA
CCA
UEA
LEA
hJAA-F11
LCA
PSL
PHA-E
PHA-L
PTA-Gal
PHA-E
RCAI (Vector)
WGA(I)
PSA
SNA
SCA
PNA
PsaC
Epa1-Np mutant E227A
Epa1-Np mutant E227G
#14 Sialyl Lewis X (Calbiochem)
MCrotalino
Threefold
WT Galectin-3
MGL 6B
#8 Lewis B (T218) (Abcam)
ISL-150
HHA(EY Lab)
CWT
Epa1-Np abp
Gal-3
YVHA peptide
hGal-1-488-BCR
AVG077
VLRB.aGPA 23
Galectin-C
CTB
MGL-1
SSL2-488
DC-ASGPR-N1
APC-SIGN
AFGN
MAA
Mouse NKR-P1C
ISSL
OSA
WGA(Seikagaku,Bio)
human IgG
MALI
AX(Julie Gau)
MAA(Seikagaku)
WGA
SJL
WGA multimer

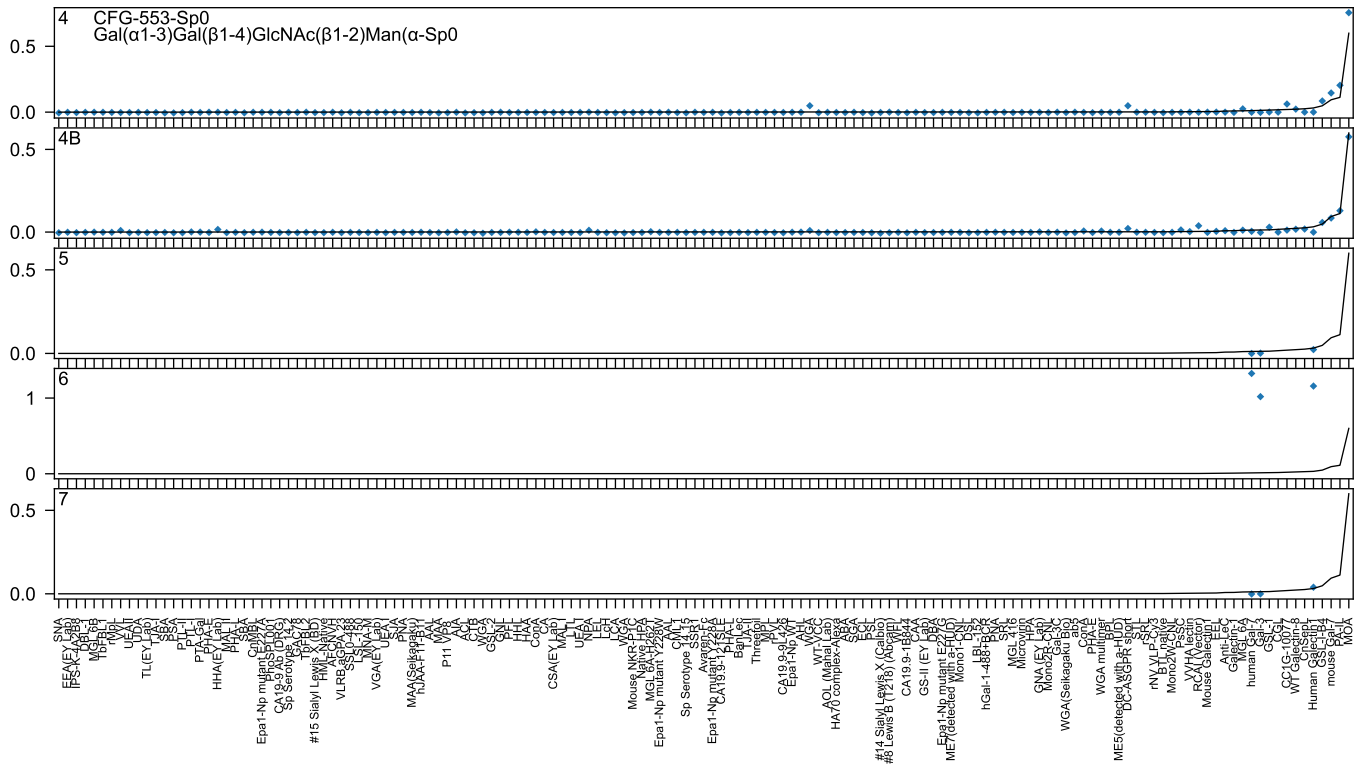

4
CFG-548-Sp10
GalNAc4OS(β-Sp10
4B
5
6
7
.005
.000
.025
0.5
0.0
0.01
0.00
hJAA-F11-B11
Bat-1
SRL
Galectin-1
HA70 complex
Vera
MGL6A
MGL6B
CC1G-1007
AAL
ABL
Sec-X
WGA(Seikagaku, Bio)
PWL
UEA-I
UDA
TL(EY Lab)
TJA-I
TJA-II
VLRB aGPC3
OnSec3
PSA
human Galectin-3
GSL-I-B4
rhAAL-Fc-v3
HA(Lab-Flu)
WT-WGA
MWGA
VGA(EY Lab)
UEA-I
SBA
SSA
mouse Galectin-7
HHA(EY Lab)
EEA(EY Lab)
GS-II(EY Lab)
Mono2W-CN
LAA
AOL (Mahal Lab)
hGal-1-488+-808
IPS-K-A2088
PNA
STL
PTL-I
GSL-I
VSSA
CAA
Mono2R-CN
Mono1-CN
Epa1-Np mutant E2-ECA
Mouse NKR-P1C
Epa1-Np WT
WGA
MPL
Mouse Galectin-1
Human Galectin-1
CorA
ConA
OTA
CTB
CSL
GNL
DBA
PHA-E
CML-1
PHA-L
PAS-I
RIA-E
RIA-L
MAA(Seikagaku)
WAA
MAL
NPA
LEL
LEA
HAA
CSA(EY Lab)
GSL-I-B4
COA
SEA
PHA-P
PWM
Epa1-Np mutant Y26F
Epa1-Np mutant Y26F/A
Sp Serotype 14-15
#15 Sialyl Lewis X (TBD)
PSS
WT Galectin-3
Galectin-3C
CA19-9-A1-FS3-F
MGL 8A-FS3-F
EEL
ATCC(Vector)
#8 Lewis B (T218 ATCC)
Sp Serotype 14-12
LSL-AAL
Epa1-Np mutant E2R/G
CA19-9-A1-FS3-G
MGL 418
CA19-9-A1-426
GNA(EY Lab)
Native PHA
#14 Sialyl Lewis X
CA19-9-A1-B2
CA19-9-A1-B2
Threonyl
PTT
GSL
RCA (Vector)
LBA
SSsR1
Microvillin
WGA mutant
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WGA mutant
Agaricus-Fc
AIA
AIA
BTL native
Anti-LeC
DC-ASGPR
SSL2
SNA

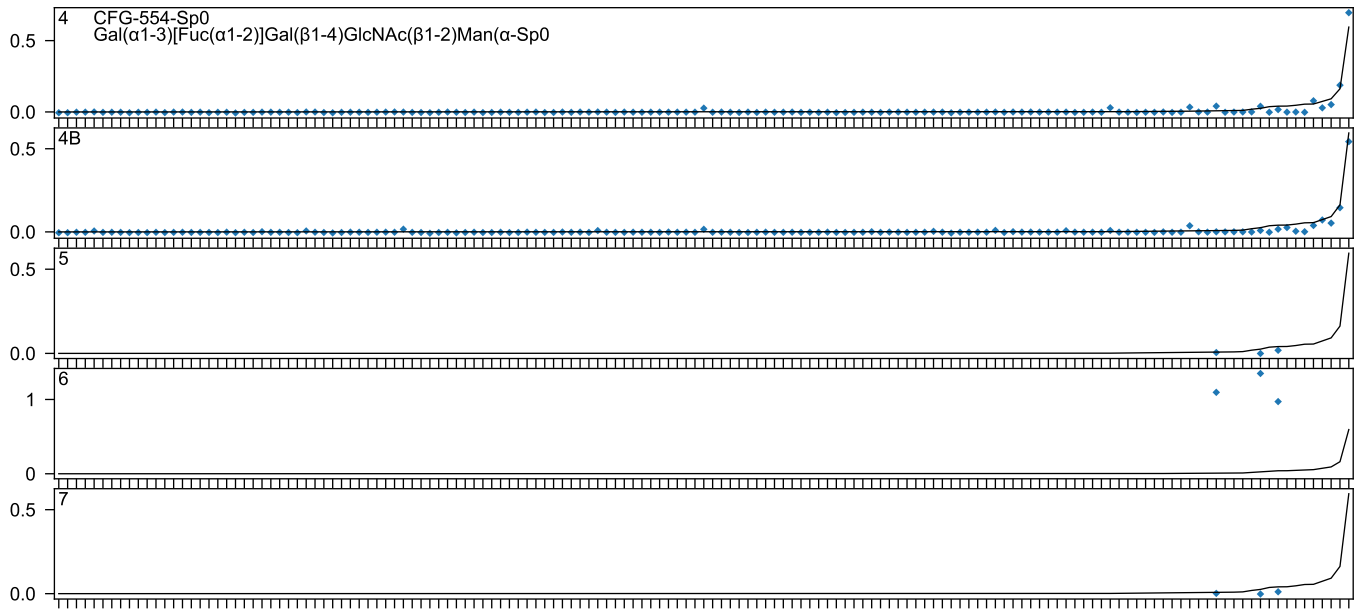

4
CFG-549-Sp0
Gal(β1-4)GlcNAc6OP(β-Sp0
4B
5
6
7
0.0
0.2
0.5
SNA
CA19-9-12
SNA
HA70 complex
Alexa
WGA
IPS-K-4
UEAI
SBA
PSA
PTL-I
PTL-II
PHA-L
DSA
abs
EEA(EY Lab)
Epa1-Np mutant E227A
Galectin-8
CMLI
WT Galectin-8
#8 Lewis B (T218)
Man2-2AC-CNI
AOL
MNA-M
WGA
SBA
ABA
HHA(EY Lab)
GNA(EY Lab)
ME5(detected with anti-IgM)
MGL 6A-1
PHA-E
EEL
DSA
HPA
GSL-2
Mouse Galectin1
OAA
HPA
Human Galectin1
CSA(EY Lab)
WGA
GSL-CTB
PCL
Mono2R-CNI
NPA
MAL1
MAL
GNL
Mouse NKR-P1C
Avarol-FC
Epa1-Np WT
ISG-2
human Gal-3
VLRB.aCPA_23
HML-Nsse
CA19-9 Ab (DRG)
Mono1-CNI
ACL
Thrombin
UEAI
AFCNOH
Epa1-Np mutant E227G
Sp Serotype 14.15
MAL (Sigma)
Epa1-Np mutant Y228W
Sp Serotype 14.2
#15 Sialyl Lewis X
UEA1
#14 Sialyl Lewis X (Calbio)
CA19-9 (EY Lab)
CA19-9 (Fitzgerald)
PHA-E
Native HPA
WFA
WFA-CE
MOG
BPP
LCA-T
mouse Gal-7
PHA-L
rNV VLP-CX3
EVA-ab
AOL (Matta Lab)
TL(EY Lab)
Gal-3
Mucovirin
Epa1-Np mutant
hGal-1488+6OP
VGA(EY Lab)
hNAA-F1-B11
WGA-Sepharose
DC-SIGNR's pDoi
ABA
Galectin-1
PHA-L
PHA-E
WGA multimer
ME7(detected with anti-IgGD)
SSL9-Cy3
BTL-native
CCL-10027
Amino
ECC
VVHA (EY Lab)
WGA
EEL
WGA
RCAI (Vector)

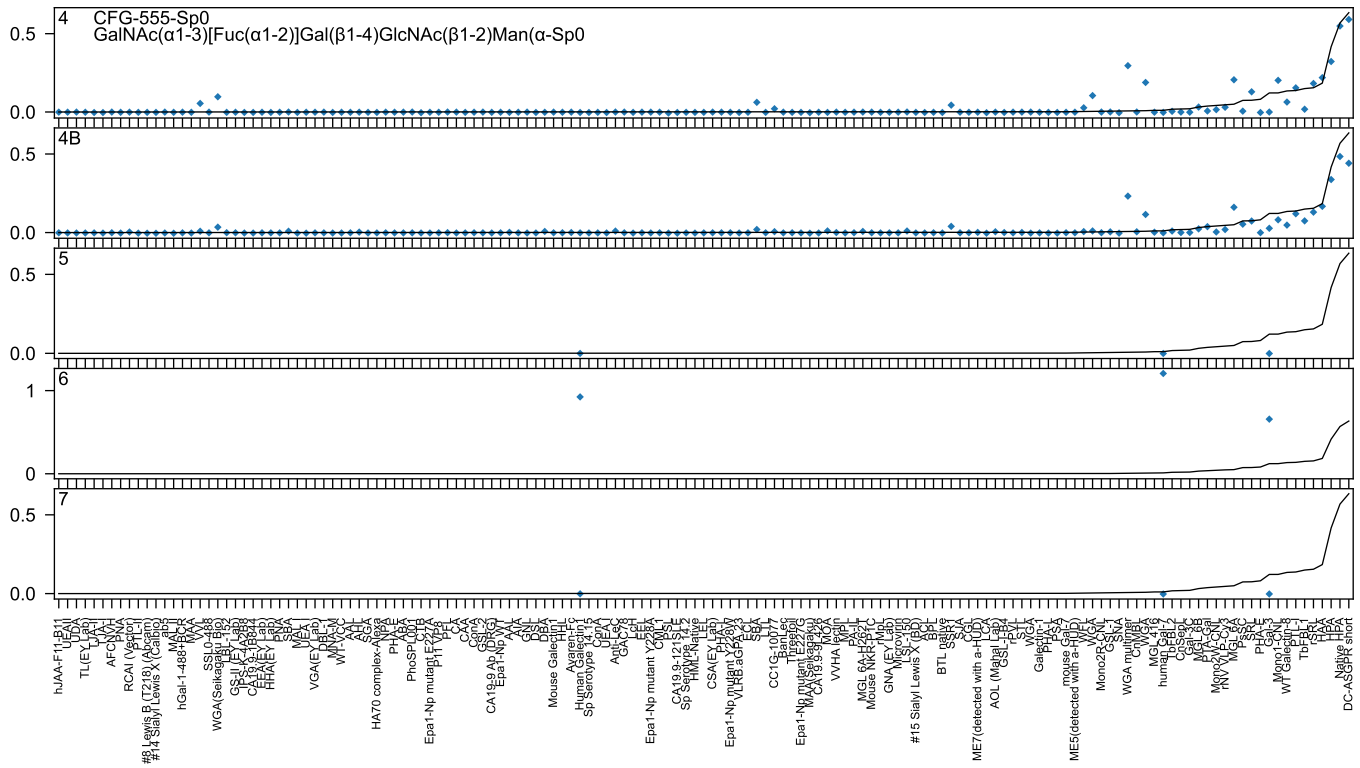

4
CFG-550-Sp0
Gal6OP(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.25
0.00
0.5
0.0
MGL 6A (EY Lab)
GNL (EY Lab)
LEA (EY Lab)
GS-II (EY Lab)
Mono2W-CNL
AOL (Mahal Lab)
IPS (Kozyrev)
CA19.9-18844
mouse Gal-7
HHA(EY Lab)
WGA multimer
HA70 complex
Native PPA
WGA(Seikagaku Bio)
PNA
WFL
PTA-G
SBA
ConA
Epa1-Np mutant E222G
Epa1-Np mutant E222A
PhoSP-1001
CA19-9 Ab (OncG)
Galectin1
SBR
#14 Sialyl Lewis x (BD)
#13 Sialyl Lewis x (BD)
#8 Lewis B (12-18) (Abcam)
HPA
ME7(detected with a-HuD)
ME5(detected with a-HuD)
VGA(EY Lab)
hJAA-F11
CSA(EY Lab)
Mouse Galectin1
Mono2R-CNL
MAAI(Seikagaku)
CA19.9-12
Epa1-Np mutant Y228V
Sp Serotype 14-16
WGA 166
WT Galectin-8
CA19.9-9.426
Mouse NKR-P1C
hGal-1-488+BCCB
DC-ASGPR
TL(EY Lab)
P11
SSL0-488
Sp Serotype 14-16
Human Galectin1
Epa1-Np mutant E222A
RCA(Vector)

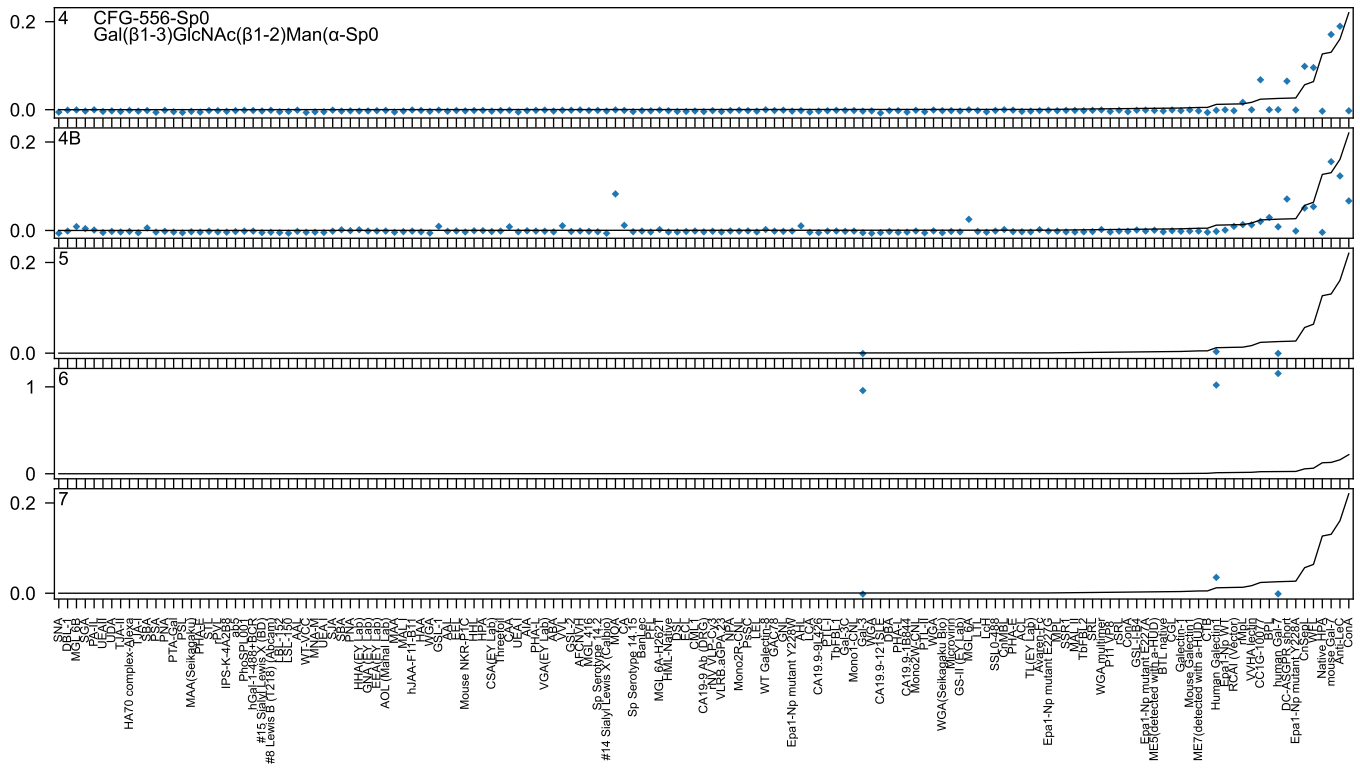

4
CFG-551-Sp14
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-6)GalNAc(-Sp14
4B
5
6
7
0.0
0.5
1
hJAA-F11-B2
LBL-B3
VLRB.aGPC.23
TL(EY Lab)
LJA1
#8 Lewis B (T218) (Abcam)
PSA
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
hGal1-488-BCR
EEA(EY Lab)
PJ-1-E2
MAA(Seikagaku)
LSL-190
PNA-F
ME5(detected with a-HUD)
HHA(EY Lab)
IPS Microvigil
CA19-9-1428
mouse Gal-7
human Gal-7
PNA-F
SBA
UEA
VGA(EY Lab)
MNB-M
MOA
WT-AGC
MAA
PHA-E
P11.V8
MAL
AIA
CWG1
Tomegol
PhoSPC08
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
Mouse Galectin1
Human Galectin1
UEA1
Epa1-Np mutant E227A
CAA
Avarep-Fc
LCA
GSL-I-B4
BS-I-B4
GSL-I-A4
Sp Serotype 14
HIS
DBA
EEL
NPA
Sp Serotype 14-2
Sp Serotype 19-1
CA19-9-1-PSTI
MOL
ACL
HML-Native
CA19-9-1-PDRG
GNA(EY Lab)
GAC-478
SSL0-468
CSA(EY Lab)
GS-II(EY Lab)
LEL
abs
HA70 complex A-Fc
Banflec
PASL
Galectin-1
ME7(detected with a-HUD)
UEA1
Epa1-Np WT
AFCWT
Mono2R-CNS
VGA
BPL
AOL (Marbal Lab)
Galectin-7
CWG1
Anti-IgG
Gal-3
nNV VLP-Cy3
Mouse NPC-Gal
RCAI (Vector)
CnSeL
VVHA (Seikagaku)
Mono2-Vector
GSL-I
WFL
PTL-I
Momor-Fc
WT-Galectin-9
CCTG-10077
MGL-9B
SJA
SBA
nSBR
WGA(Seikagaku-Bio)
MGL 6A-H2827
Tb-Fc
MGL-416
HEA
MGL-1
Native HEA
WGA
WGA multimer
DC-ASGPR short

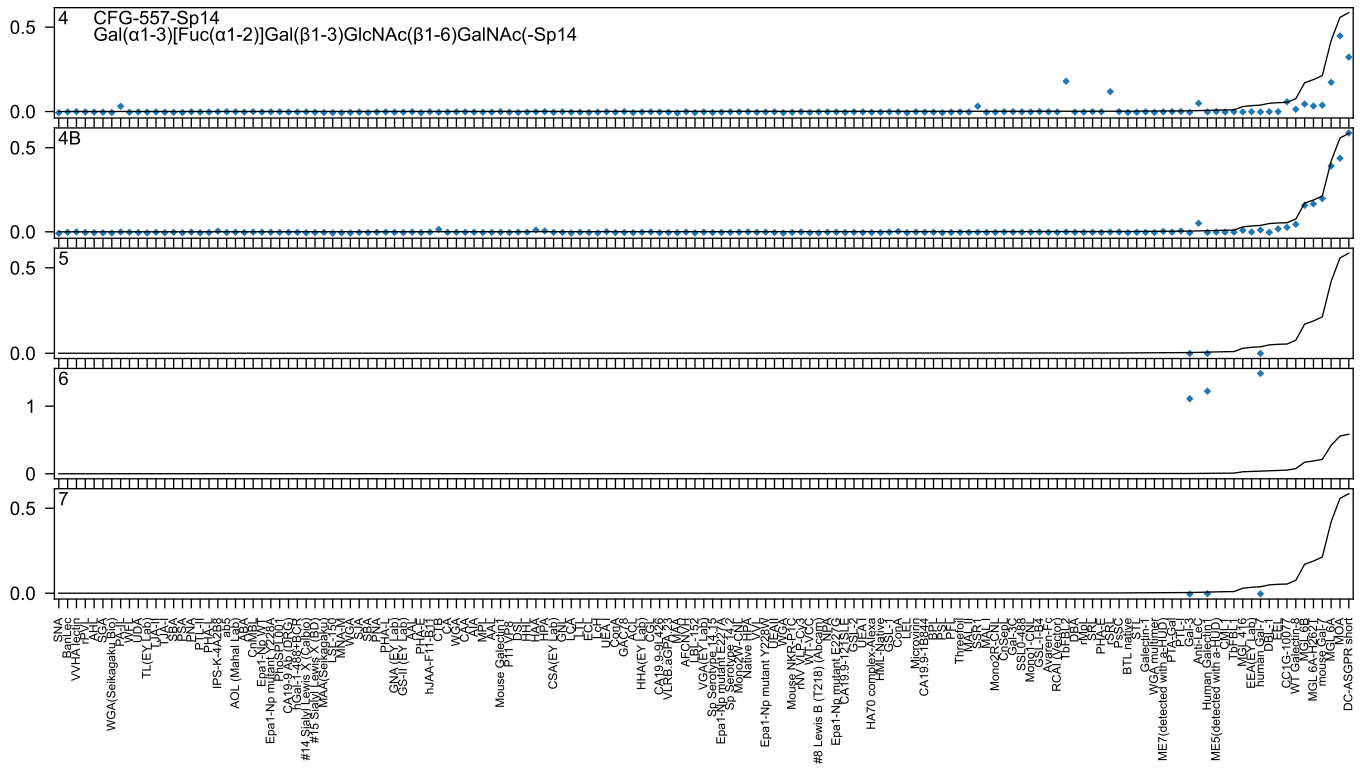

4
CFG-552-Sp0
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-2)Man(-Sp0
0.25
0.00
4B
0.1
0.0
5
0.1
0.0
6
1
0
7
0.1
0.0
MGL 6A-H2607
WT-CCC
CA19-9-1-2-1SLE
CA19-9-1-1-1SLE
CA19-9-1-B244
Gal-3
WGA multimer
HA70 complex (Alexa
WGA
Tbp-1
ABL
WGA(Seikagaku, BP)
UEA
TL(EY Lab)
SBA
SNA
PNA
PHA-L
AOL(Matreya Lab)
GS-II-B4
PhoSL-LOD
WT-CCC
Galectin-8
Galectin-7
Galectin-1
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (BD)
VLRB aGPC-23
LBL-155
MOA
VGA(EY Lab)
UEA
SBA
PNA
GNA (EY Lab)
EEA(EY Lab)
hJAA-F (Fab)
B11 (Fab)
CSA(EY Lab)
LTA
DSA
CAA
PA
PTA-Gal
Mono2
UEA1
AIA
CorA
WGA
AAL
Mouse Galectin-1
Human Galectin-1
GSL-I-B4
GNL
NPL
PHA-E
MAL1
MGA
LEL
LEC
PHA-L
hGal-1-488
GSL-I-A4
Sin
#8 Lewis B (T218) (Abcam)
Epa1 (JK-073)
Threo
Mouse NKR-P1C
Epa1-Np mutant E227G
CML1
SA-3'-Lac
SA-3'-Lac-Lac
Gal-3C
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
CGL
Native H2
Sp Serotype 9
DBL-1
Epa1-Np mutant Y228A
MGP
AFCM
MAA(Seikagaku)
human Gal-7
mouse Gal-7
MOK-Native
CCUG-10077
IPS-K24-488
ME5(detected with a-HUD)
BanLec
CorA
CGL
AAL
RCAI (Vector)
PHA-L
DC-ASGPR
UEA1
MOKEY-CNL
HHA
ABA
Orcinol
SSB1
VGA
MAL
BTL naive
ME7(detected with a-HUD)
WT-CCC
Anti-CEA
CEA
SNA

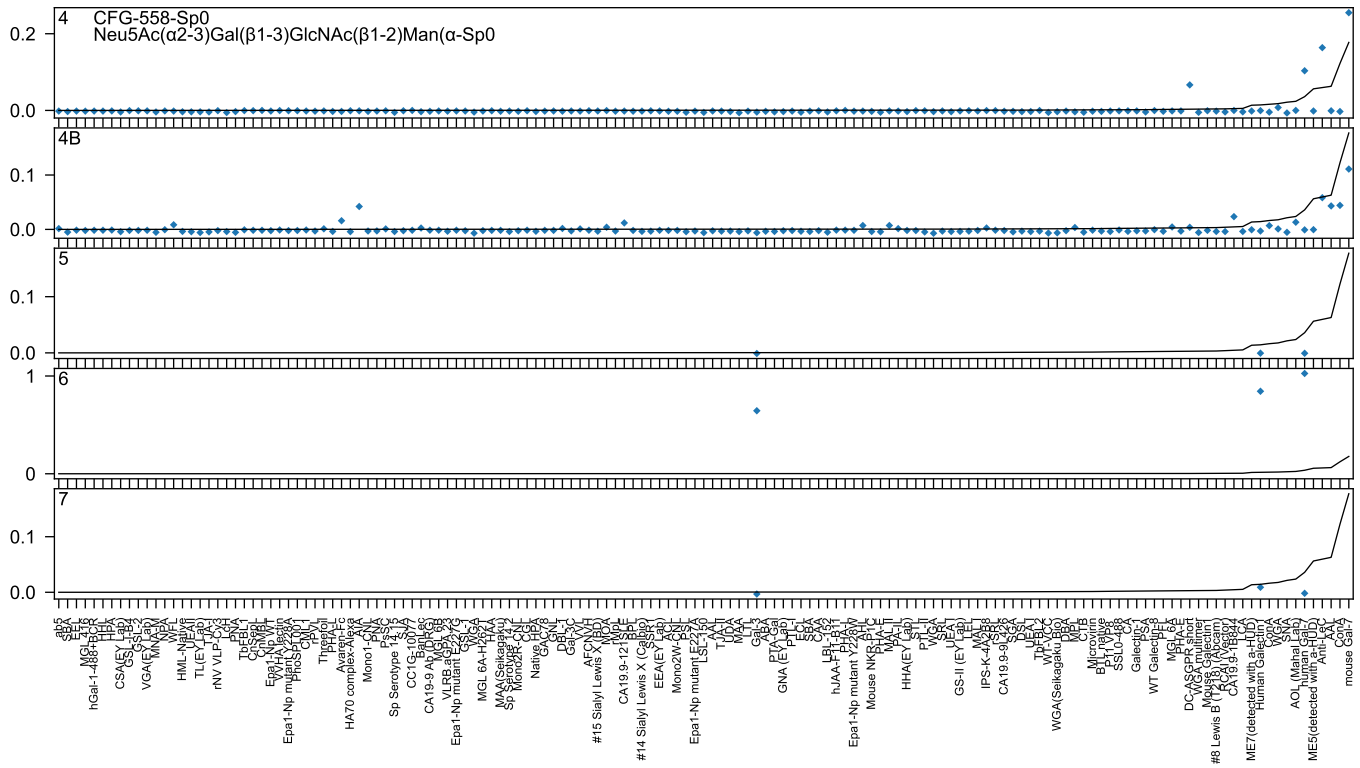

4
CFG-553-Sp0
Gal(α1-3)Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
EEA(EY Lab)
PS-K-42(BB)
MGL 68
TcBPLI
WGA
UEA
TL(EY Lab)
SBA
PSA
PTL-I
PAA-Gal
HHA(EY Lab)
MAL II
MAA
SBA
Con A
Epa1-Np mutant E2
Gb3(BD)
CA19.9-Np
Sp Serotype 14-2
Tn-PAA
#15 Sialyl Lewis X (BD)
HWA
AE-CNV4
VLRB-GFP
SSA
VGA(EY Lab)
UEA
PNA
MAA(Seikagaku)
nAA-PTL
BAL
MAA
P11
AA
AOB
VGA
GNL
PFL
HAA
CocA
CSA(EY Lab)
MAL I
UEA I
NEA
LCA
PSA
Mouse NKR
VGA
HPA
MGL 6A1(BD)
Epa1-Np mutant Y223W
CML1
Sp Serotype 33A
Avenin
Epa1-Np mutant E2
CA19.9-1-FSLE
Bap1
Bap1-Fc
LA-II
Thrombin
MIP
CA19.9-9-FVE
Epa1-Np WT
VGA
WT-VGC
AOL (MAL II complexed Lewis x)
HA70 complexed Lewis x
ABA
ECL
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (T2118) (Abcam)
CA19.9-18944
CAA
GS-II (EY Lab)
Epa1-Np mutant E2
MEF(detected Man9-GlcNAc2)
Man9-GlcNAc2
LBL
hGal-1-488+BCR
BCR
SRA
MGL 416
Microvirin
HPA
GNA (EY Lab)
Monoclonal CA19.9
WGA(Seikagaku)
Bip
PCA
PCNA
WGA multimer
BID
MEs(detected with a-1 BID)
DC-ASGPR sigot
SAL
rNV VLP-Cy3
Man2W
PsaC
VVHA
RCA I (Vector)
Mouse Galectin1
Anti-LeC
Galectin-4
human Gal-7
GSL-1
CC1G-10024
WT Galectin-8
Human Galectin-1
GSL-I B4
mouse Gal-7
MOA

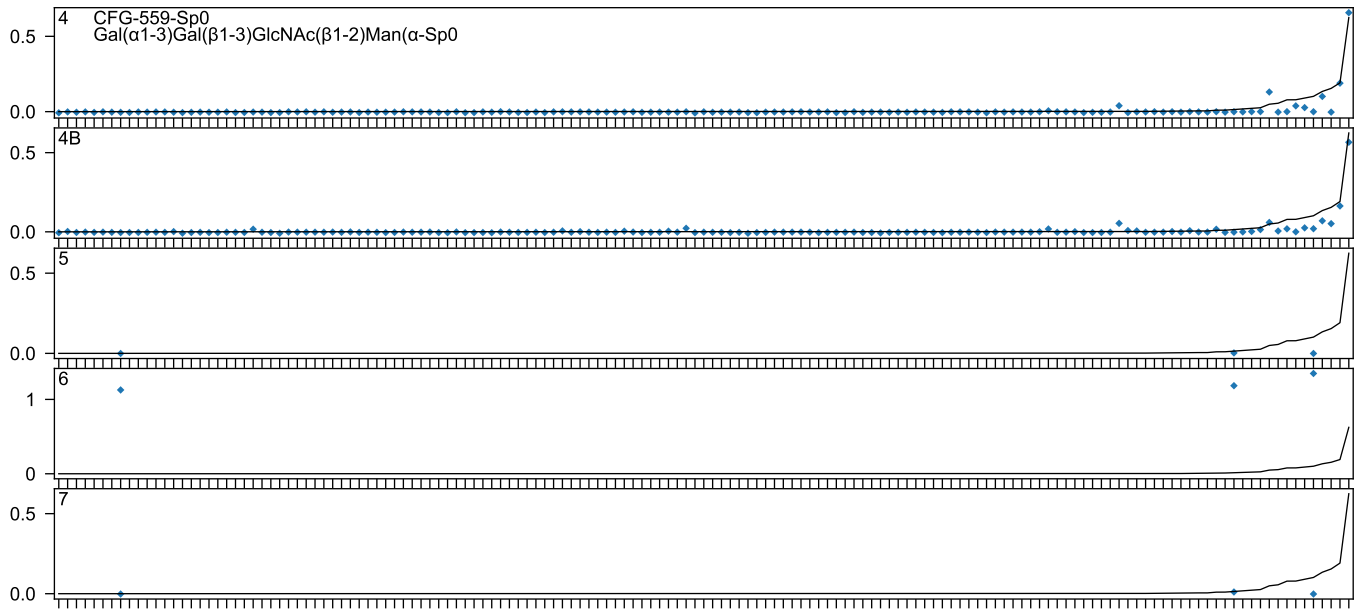

4
CFG-554-Sp0
Gal(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SNA
PNA
PNA
HHA(EY Lab)
GS-II(EY Lab)
MAL I
MAA
MAA(Seikagaku)
MAL II
PHA-L
PSL
PTA
abs
IPS-K-1A288
CA19.9-1221S-E
HA70 complex
Alexa
MGL
BS
Mo
TJ-I
TL(EY Lab)
UEA-I
AAL
XVI
SGA
CSA(EY Lab)
WGA(Seikagaku Lab)
UEA
Epa1-Np mutant E227A
Epa1-Np mutant E227A
PropSPT(01)
Mouse Galectin
CA19-9 Ab (DRG)
Sp Serotype
WGA
CTB
Sp Serotype
#14 Sialyl Lewis X(Calbiochem)
Mouse NKR-P1
HAX
#15 Sialyl Lewis X (Lab)
VEA
WFA
WFA
GSL-I
VLRB.aGP
Ava
LSL-155
PA
AECNVH
#8 Lewis B (T218) (Abcam)
Native
HPA
ABA
GNL
DSL
MGL 6-HSA
Epa1-Np mutant Y228W
Avarol
MPL
Bap
PsEBP5
Mono1-CHL
Microvirin
CA19.9-1B42
CA19.9-9L426
Thrombo
HML
SSA
Epa1-Np mutant Y228A
GSL-I-B4
MGL-418
hGal-1-418
BPL
Mono2R
DSL
SBA
MGL
LEA
CGE
PNA
PHA-L
ATL
PHA
NPA
VFA
VFA
PSA
PSA
DBA
Mono2(Vector)
SSL1-488
AOL (Marinal Lab)
VGA
hJAA-F11
ConBL
GNA (EY Lab)
Epa1 (Vector)
STL
ConA
WGA multimer
PJ1-B-VP8
nNV-B-VP8
BYL native
AAL
CorA
ECA
DC-ASGPR
ME5(detected with a-Vpf)
Galectin-1
CCTG-10077
Human Galectin-1
ME7(detected with a-RUD)
VVH(Vector)
human Galectin-3
Gal-3C
PhA-E
Gal-3
EEA(EY Lab)
RCA(Vector)
TpF-BL1
WT Galectin-2
mouse Galectin-2
MDA

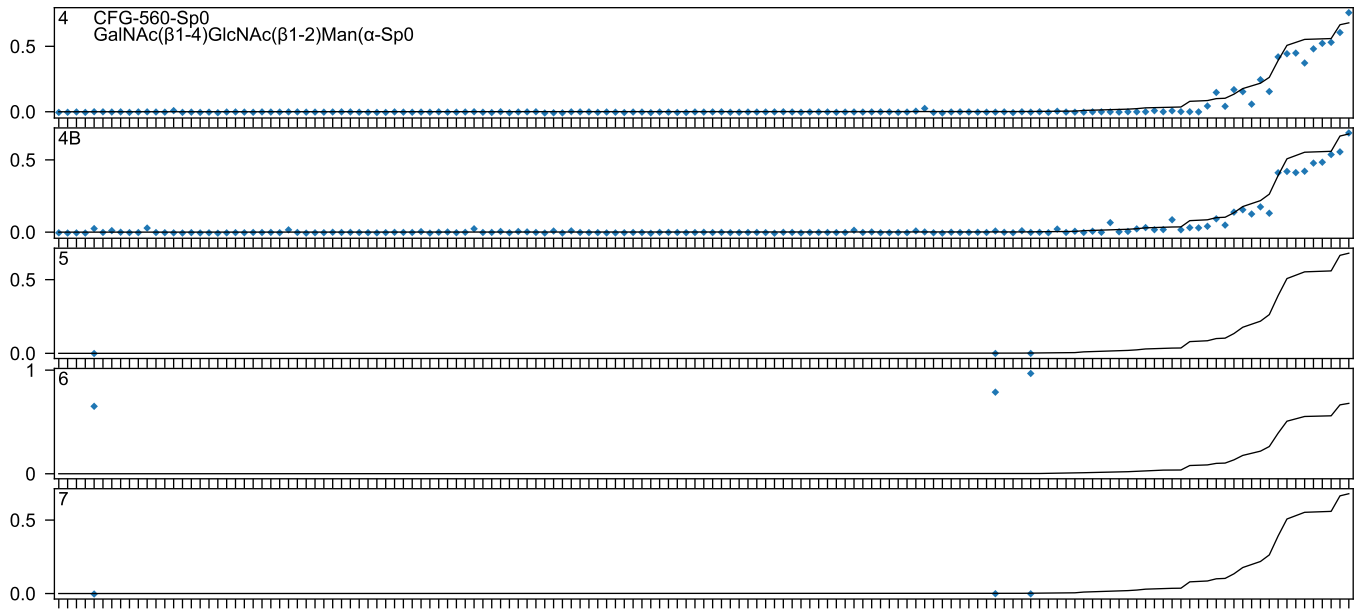

4
CFG-555-Sp0
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
hJAA-F11
EAI
UDA
LEL
TL(EY Lab)
LAI
VVA
AFCS
PNA
RCAI (Vector)
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
MAL II
MAA
hGal-1-486
SSLO
WGA(Seikagaku Biog)
SSLO-486
GSII (EY Lab)
LPS K-12 J5
GSII (EY Lab)
CFA (EY Lab)
HHA(EY Lab)
ACA
SBA
MEA
VGA(EY Lab)
MPA
WFA
WT-VCC
ACL
SGA
HA70 complex-Anti
NPA
PNA
ABA
PhoSP-Lon1
Epa1-Np mutant E227A
P11
PE
CA
CAA
GSII-2
CA19.9 Ab
Epa1-Np (VG)
AAL
GNL
DSL
Mouse Galectin1
Avarge HC
Human Galectin1
Sp Serotype Cps 5
Sp Serotype Cps 7
Anti-HEA
GAC78
EPL
Epa1-Np mutant Y228A
CPS1
CA19.9-121SLE
Sp Serotype Cps 14
HMT-Naive
CSA(EY Lab)
PHA(E)
Epa1-Np mutant D229G
VLRB-aCD23
ECL
SJA
CC1G-10077
Tissue
Epa1-Np mutant E227G
MAA(Seikagaku)
CA19.9-9H128
VVA
VVHA lectin
PWL
MGL 6A-H227
Mouse NKR-P1C
GNA (EY Lab)
MGL (Vector)
#15 Sialyl Lewis X (BD)
BPL
BTL native
SJA
ME7(detected with a-HUD)
AOL (Matsu Lab)
PSL
FSL
WGA
Galectin-1
PSA
mouse-Sp0
ME5(detected with a-HUD)
WEL
Mono2R-CONL
GSLA
WGA mutant
CWA
MGL 416
human-Sp0
BPL2
CoSeal
MGL 3B
MGL (Cal)
Mono2R-Cy3
HNV
MGL-Cy3
SRL
PNL
Gal-3
Mono1-CNL
WT Galectin-1
Tb-BPL
HPA
HAA
Native
DC-ASGPR short

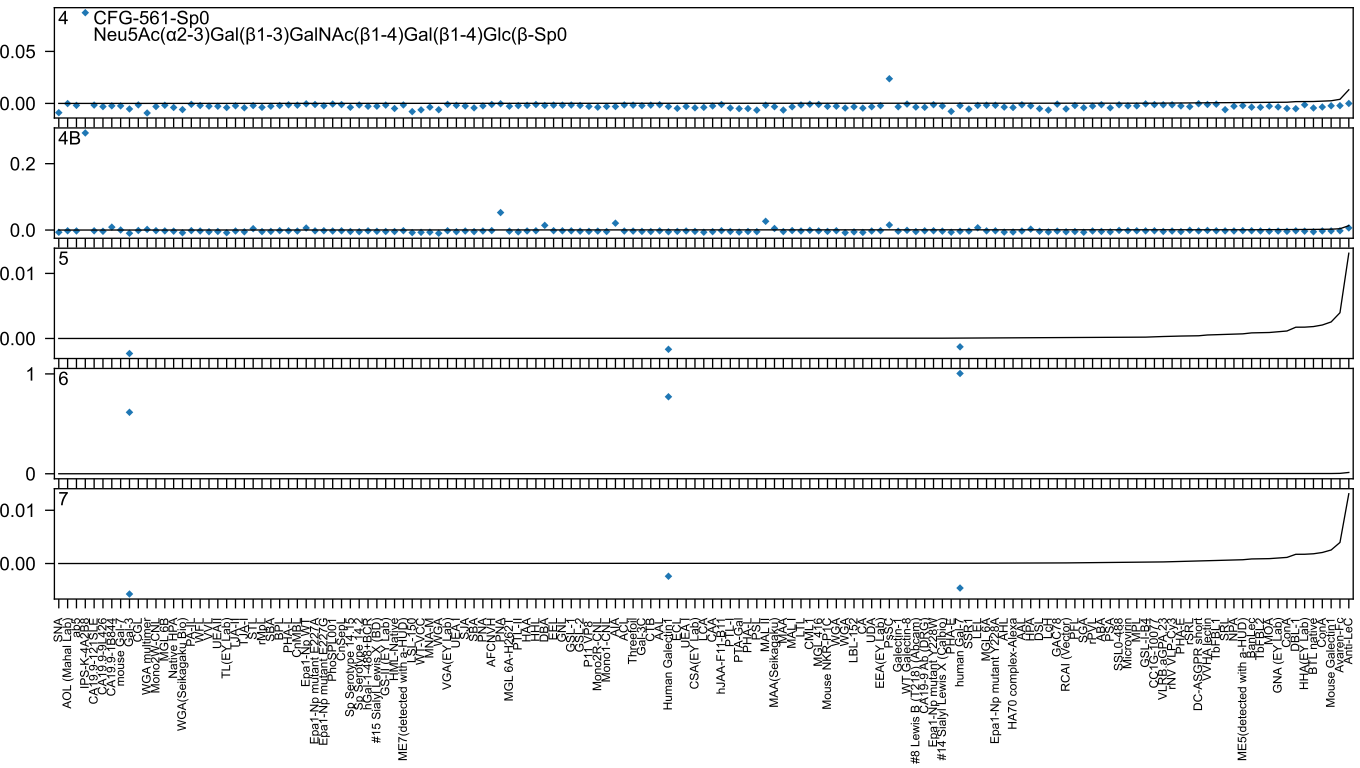

4
CFG-556-Sp0
Gal(β1-3)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.2
0.0
1
0
SNA
DSL
MGL 6B
PNA
PA-GA
UEA1
TJA-II
TJA-I
HA70 complex-Alexa
SBA
SBA
PNA
VVA
PTA-Gal
MAA(Seikagaku)
PHA-E
PHA-E
PVL
IPS-K-4A2B8
Phosphatase
hGal-1 (R&D)
#15 Sialyl Lewis X (BD)
#8 Lewis B (12-18) (Abcam)
LSL-155
WT-AAC
MNA-N
UEA
UEA
SBA
SBA
HHA(EY Lab)
GNA(EY Lab)
AOL (Mahal Lab)
MAL
hJAA-F11-B11
WGA
GSL-I
EEL
EEL
Mouse NKR-P1C
HPA
CSA(EY Lab)
Tn-Helix
UCA
UCA
AIA
PVA-Lectin
ABA
VGA(EY Lab)
ABA
GSL-I
GSL-II
AFCRVH
AFCRVH
Sp Serotype 14.2
#14 Sialyl Lewis X (Calbio)
CA
Sp Serotype 14.15
Ban ia
PNA
MGL 6A-Hexane
HML-Nanobody
DSL
COCL
CA19.9 (Ab PGG)
VLRB.aGPA.23
Mono2R-CNA
PsSC
WT Galectin-8
GAC/78
Epa1-Np mutant Y228W
ACL
CA19.9-B426
TbFBL-1
Galectin-1
Mono
Gal-3
Gal-3
CA19.9-1/SCE
DBA
DBA
CA19.9-TB44
Mono2W-CNI
WGA
WGA(Seikagaku Bio)
Normal mouse
GS-II (EY Lab)
MGL 1A
SSL0 LGI
SSL0 LGI
OCTMB
PIPACE
TL(EY Lab)
Avelectin
Epa1-Np mutant Y228A
OMP
NSR1
TbFBL-2
WGA multimer
P11 VSB
CorA
Epa1-Np mutant GSE-2274
ME5(detected with a-HUD)
BTL mouse
Mouse Galectin-1
ME7(detected with a-HUD)
Human Galectin-1
CrB
Epa1 Np WT
RCA (Vector)
CVHA-lectin
CCTG-1BP
DC-Nuclear Gal-7
Epa1-Np mutant Y228A
CrSEL
Native HPA
mouse Arr-GalC
ConA

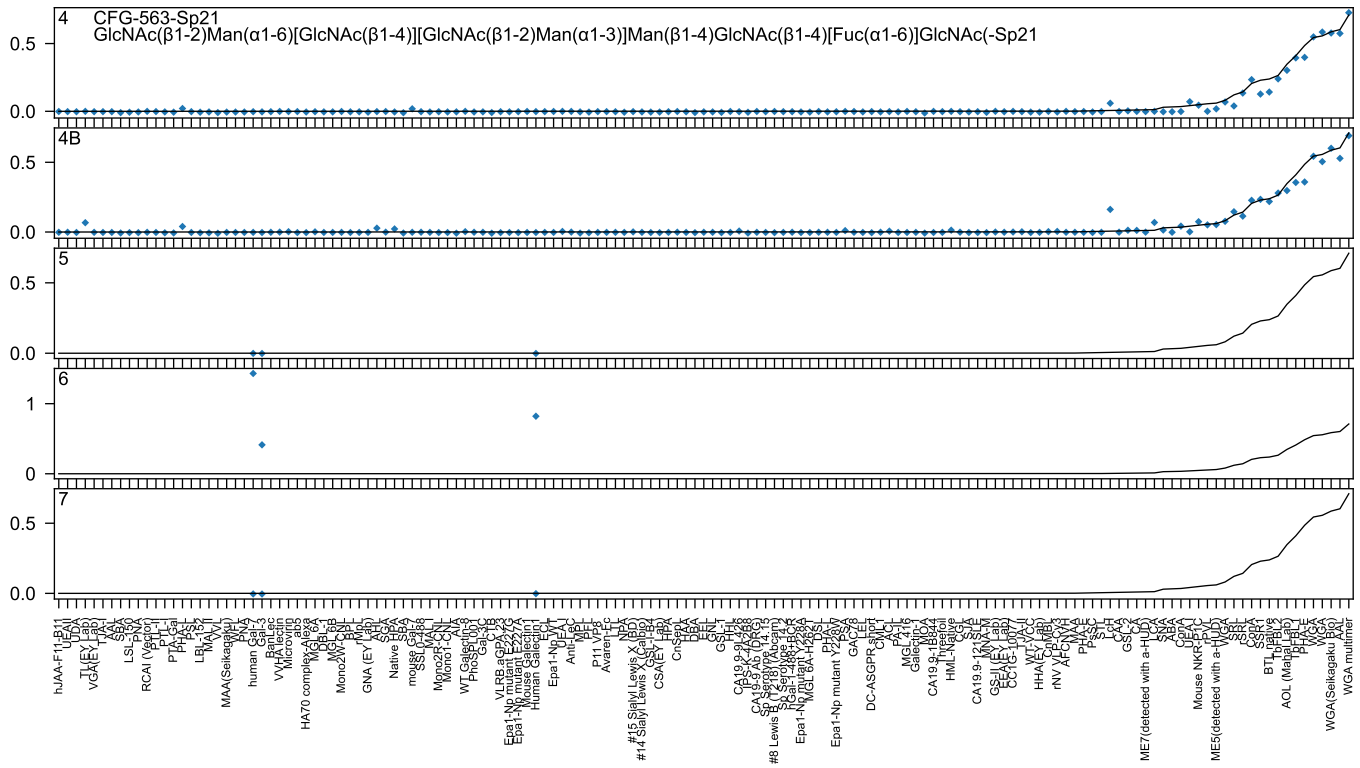

4
CFG-557-Sp14
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GlcNAc(β1-6)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SVA
Banana lectin
VVHA
Ricin
AIL
WGA(Seikagaku)
PNA
VCA
TL(EY Lab)
DJA-I
ACA
SBA
ENA
PTA-I
IPS-K-4A288
AOL (Mahal lab)
ABA
ABA
CrmA
Epa1-Np WT
Epa1-Np mutant Y228A
CA19-9 Ab (DRG)
#14 Sialyl Lewis X (BD)
#18 Sialyl Lewis X (BD)
MAA(Seikagaku)
MNA
WGA
SJA
SNA
SRA
PHA-L
GNA (EY Lab)
GSII (EY Lab)
AAL
PNA
hJAA-F11-B1
CTB
vicA
CAA
CAA
MPL
Mouse Galectin-1
P11-VB8
HHL
HPA
HPA
CSA(EY Lab)
CSA
CSA
LTL
LTL
ECA
UEA
GAC78
HHA(EY Lab)
CGB
CA19-9-Ab
VLRB.aGP-23
AFCMA
NCA
TEL-152
VGA(EY Lab)
Sp Seqmutant E227A
Epa1-Np mutant E227A
Sp Neoxylan CNF
Sp Neoxylan CNF
Native HPA
Epa1-Np mutant Y228W
DEAN
DEAN
Mouse NKR-P1C
rNV WT-CO3
rNV WT-CO3
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant E227G
CA19.9-12SLLE
DEA1
DEA1
HA70 complex-Alexa
HMLC-Alexa
GSL-I
CPA
CPA
CA19.9-Ab
Microvirin
BPL
BPL
PSL
Thregelol
MSR
MAL1
MAL1
Monoclonal Sel-Ab
CnSelectin
Gal-3C
SSA
Mogg1-CNF
GSL-I-B4
RCA(Vector)
Avenin
RCA(Vector)
TbpA
DBA
MPL
MPL
PHA-E
PSSC
PSSC
BTL native
SJA-I
Galectin-1
WGA multimer
ME7(detected with PHA-L)
PHA-L
Gal-1
Anti-LeaC
Human Galectin-1
ME5(detected with PHA-L)
CNFI
CNFI
MGL 416
MGL 416
EEA(EY Lab)
human DBL-1
DBL-1
CC1G-10057
WT Galectin-8
MGL 6A(Dr.Gilbert)
mouse Gal-7
MGA
MGA
DC-ASGPR short

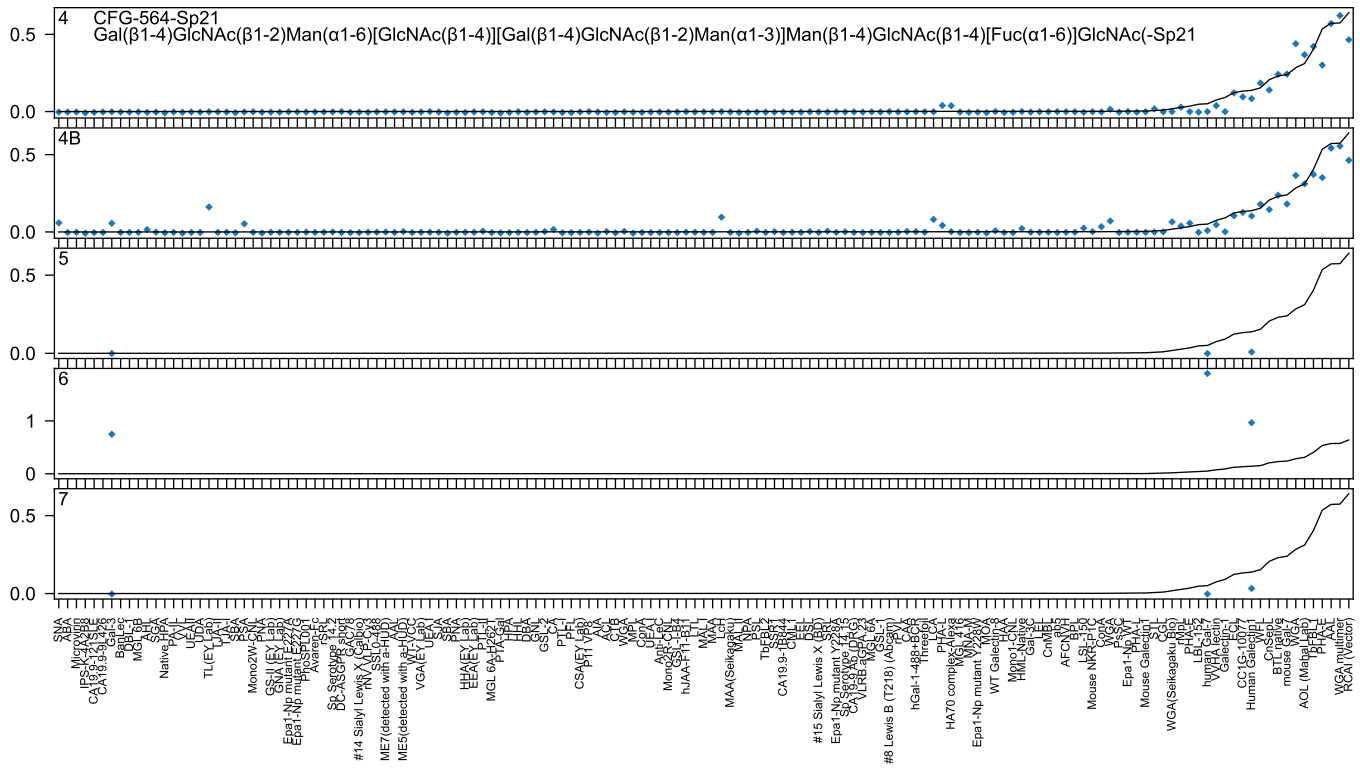

4
CFG-558-Sp0
Neu5Ac(α2-3)Gal(β1-3)GlcNAc(β1-2)Man(α-Sp0
0.2
0.0
4B
0.1
0.0
5
0.1
0.0
6
1
0
7
0.1
0.0
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
Epa1-Np mutant Y228H
Epa1-Np mutant Y228S
Epa1-Np mutant Y228T
Epa1-Np mutant Y228V
Epa1-Np mutant Y228W
Epa1-Np mutant Y228Y
Epa1-Np mutant Y228Z
Epa1-Np mutant Y228Z
Epa1-Np mutant Y228Z

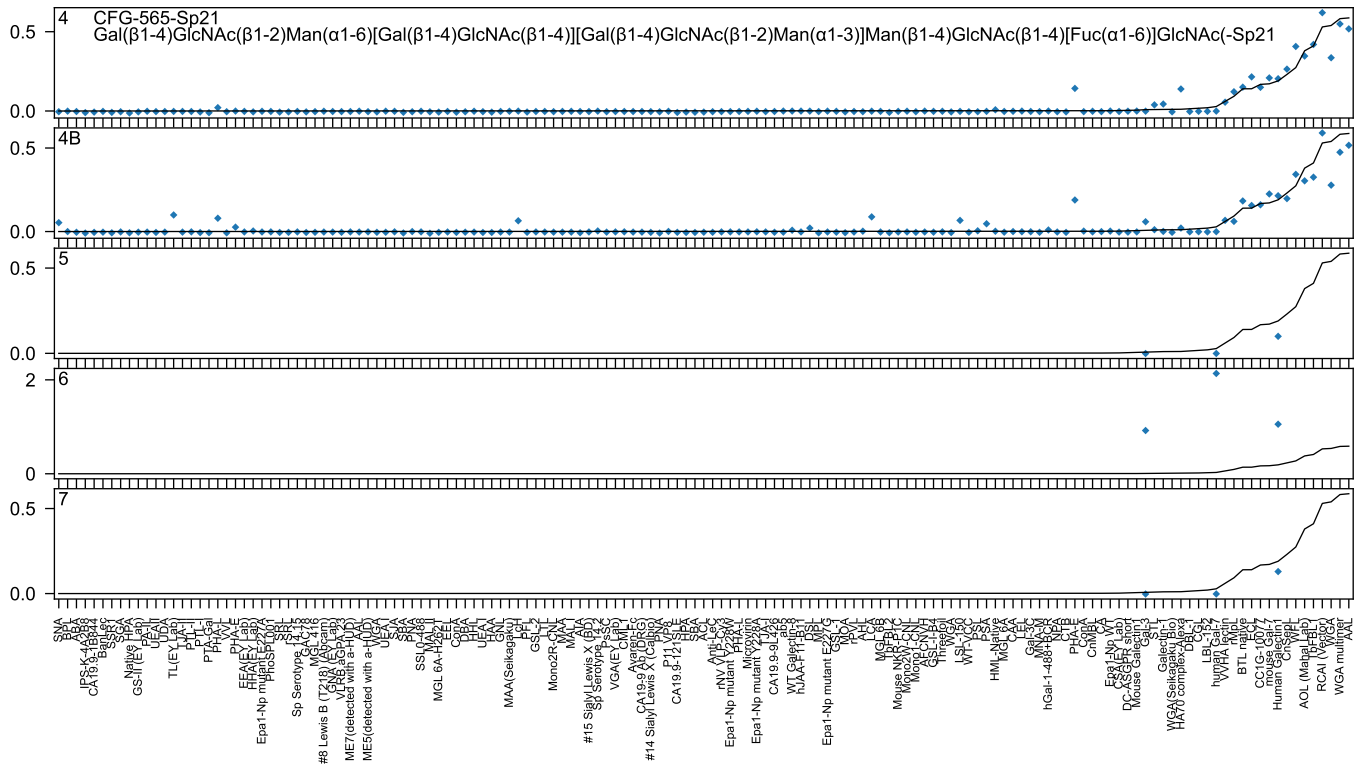

4
CFG-559-Sp0
Gal(α1-3)Gal(β1-3)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
PNA
EEA(EY Lab)
GSL-I(EY Lab)
Mono2W-Lab
ABA
AOL(Nagata Lab)
CA19.9
Gal-3
WGA multimer
HA70 complex
SSA
SGA
Native HPA
WGA(Seikagaku)
LEA
UDA
TL(EY Lab)
ACL
SJA
PSA
RCA
SBA
VVA
Con A
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
PhoS
CNL1
SBL
Sp Serotype_14
MGL-118
#15 Sialyl Lewis X (BD)
HNA
rNV-VP P-Cx8
rNV-VP P-Cx4
ME7(detected with α-HuD)
LBL-152
LBL-155
ME5(detected with α-HuD)
WVA
WVA-Ax
#8 Lewis B (T218) (Abcam)
MGL 6A-H262
CSA(EY Lab)
LEL
DSA
GNL
PSL-I
CAA
UEA1
P11
vicA
HPA
NEA
MAL1
Mono2-Gal
Mono1-Gal
MAA
Threefold
MAA(Seikagaku)
LTI
RIA-T
WGA
TJA-I
HPA
CFA
Epa1-Np mutant Y228A
Epa1-Np mutant E227A
hGal-1-488-HGR
UEA1
Sp Serotype 7
ACE
CA19.9-121SLE
CA19.9-Cal-226
VLRB.aGP.123
CA19.9 Cal-226
#14 Sialyl Lewis X (Calbiochem)
WVL
CA19-9 Ab (BG)
CA19-9 Ab (SG)
IPS-K-4-2
SJA
ABA
Mouse NKR-P1C
ACL
abs
Microvilin
PHA-E
Epa1(EY Lab)
GNA(EY Lab)
VGA(EY Lab)
Bal
HAA
MGL 69
MGL 68
PHA-E
GWL
WGP
CTB
LCH
Galectin-1
DC-ASGPR
Con A
Galectin-7
Tb-BP-2
Mouse Galectin1
VVHA lectin
BPL
hJAA-F11-B11
Avaren-F-8
WT Avaren-F
B11 native
Human Galectin1
SGL
GSL-I-B4
Anti-LeC
RCA (Vector)
CC1G-10074
GSL-I-B4
human Fc
PA-L
Gal-9
mouse Galectin-9
MDA

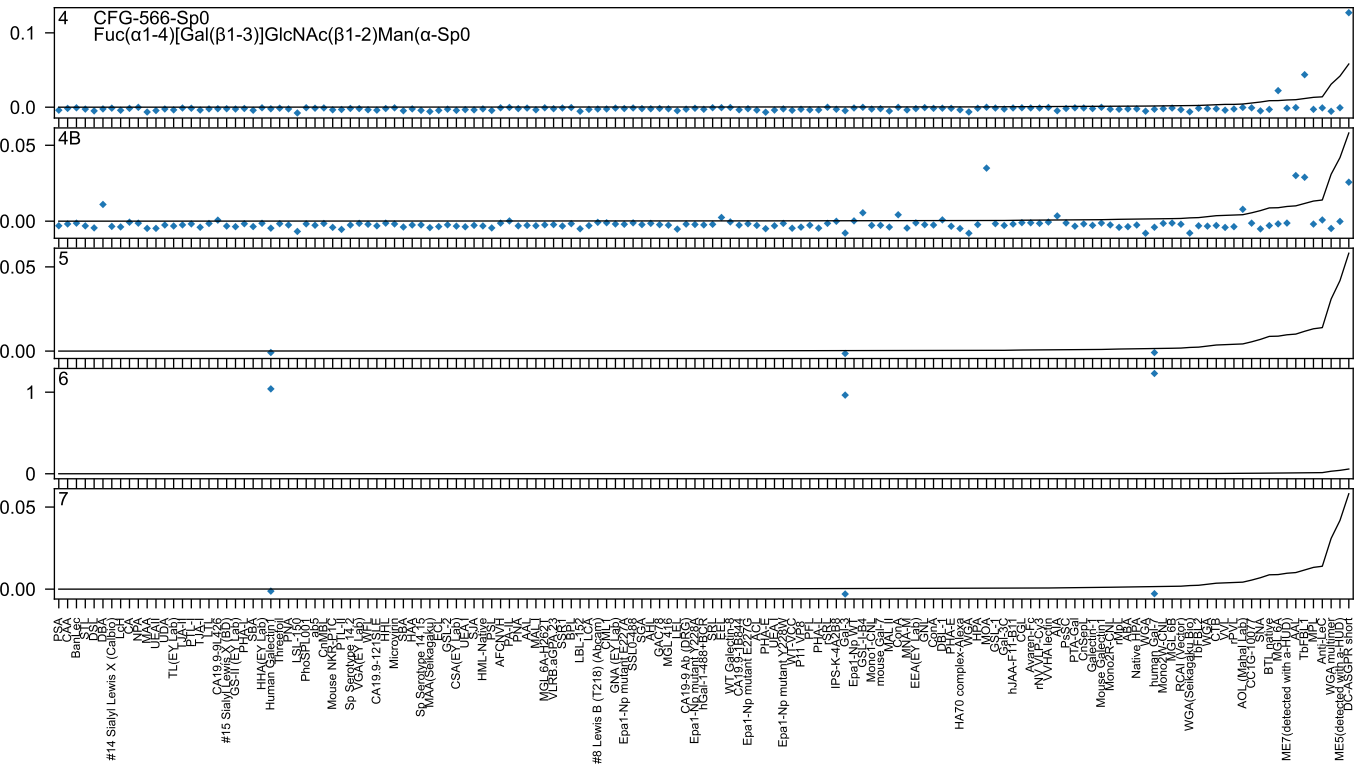

4
CFG-560-Sp0
GalNAc(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
0
IPS-K-48
SNA
CA19.9-1426
CA19.9-1116
Galectin-3
PNA
HA70 complex
SSA
AIL
SBA
Native sialic
TL(EY Lab)
PNA
PTL-I
PA-Gal
EST
PHA-E
PHA-L
ABA
HHA(EY Lab)
ProSP(Lab)
OAL
CA19-9 Ab
GalC
#14 Sialyl Lewis X (BD)
#18 Sialyl Lewis X (BD)
WGA
SSL0-488
ME5(detected with a-HUD)
WT-NCX
MVA-N
VGA(EY Lab)
PHA
PHA(Lab)
ME7(detected with a-MAD)
hJAA-F11
CSA
CA
HPA
AIA
Anti-LeC
CTB
Thrombin
HPA
Mouse Galectin1
AIA
LEL
GSL
MAL1
PSL
SGA
Malcrocystin
Galectin-3
CA19.9-1116
Epa1-Np mutant 223LE
Epa1-Np mutant 223AV
MAA(Seikagaku)
Epa1-Np mutant Gal-2X
GSL-2
Epa1-Np mutant Gal-2X
GSL-I-B4
Epa1-Np mutant V223A
GNA(EY Lab)
LEL
#8 Lewis B (TF218) (Abcam)
Epa1-Np mutant 223AV
TcBL
TcBL-1
PJA1
TcBL-2
Con A
EEA(EY Lab)
AOL (Mahal Lab)
PSL VP8
Sa Serotype 14-2
Sp Serotype 1-4-1
SRL
WT Galectin-3
HMC Native
LBL
PSA
Avarol
PC
DBA
MAA
Human Galectin1
RCA
BTL native
human Gal-7
AF
CVN
VFL
STL
DSL
rNV VLP Cy3
mouse Galectin-7
SBA
CnNB
NPL
Mono2W-CNL
MGL 6A-12-2-3
Mono2R-CNL
Mouse NKR-P1C
CSA(EY Lab)
VVHA (Lab)
CCGC-10074
VGA
MGL
BPL
MGA
SSA
WGA(Seikagaku)
BP
VVL
WGA multimer
DC-ASGPR short

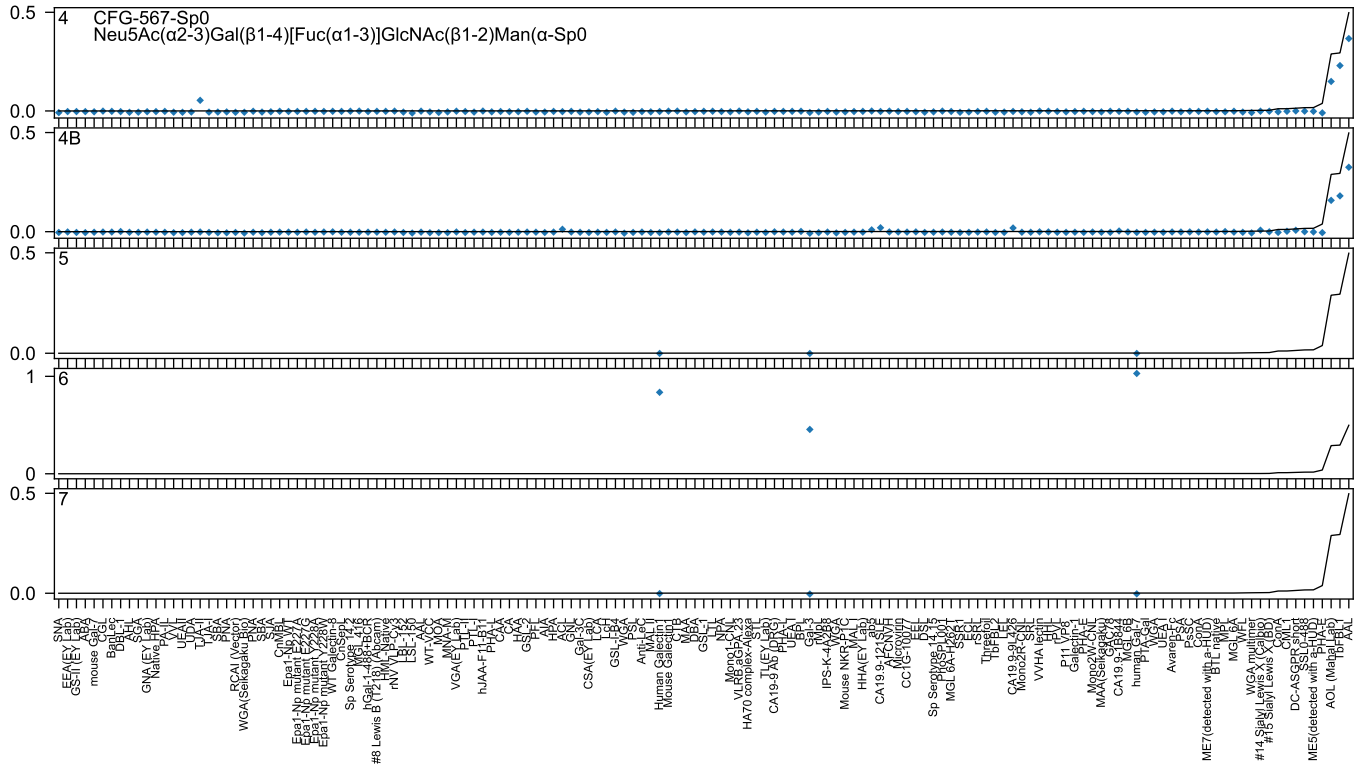

4
CFG-561-Sp0
Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-4)Gal(β1-4)Glc(β-Sp0
0.05
0.00
4B
0.2
0.0
5
0.01
0.00
6
1
0
7
0.01
0.00
SNA
AOL (Mahal Lab)
ABA
IPSK-44-1
CA19-9-21SE
CA19-9-1A426
CA19-9-1A116
mouse Gal-7
Gal-3
WGA multimer
Mono1-CNL
VIA(Sekagawa Lab)
Native PHA
WGA(Sekagawa Lab)
WF
VEA(I
TL(EY Lab)
VIA-L
nigro
SBA
PHA-E
PHA-L
Epa1-Np mutant E227A
Epa1-Np mutant E227A
Epa1-Np mutant P100G
OnSpe
Sp Serotype 14-2
Sp Serotype 14-2
hGal-1 48kDa
#15 Sialyl Lewis X (EY Lab)
GSL-I(EY Lab)
TIM-1-Hu
ME7(detected with a-HUD)
WSL-150
MVA-N
WGA
VGA(EY Lab)
UEA-I
SSA
PNA
AFCS
DVA
MGL 6A-H2021
PAA
HPA
DBA
EEL
SSL1
GSL-I
P-1
Mono2R-CNL
Mono1-CNL
ACL
Tkaelig
Galectin-1
CTB
Human Galectin-1
UEA-I
CSA(EY Lab)
CCA
hJAA-F11-B11
PTA-Gal
PTA-Galt
MAL
MAA(Seikagaku)
MAL-I
CMLT
MGL-416
Mouse NKR-P1A
VGA
VGA
LBL-I
CA
CA
EEA(EY Lab)
PSSC
WT Galectin-8
Galectin-8
#8 Lewis B (EY Lab)
#14 Sialyl Lewis X (Abcam)
Epa1-Np mutant V228W
#14 Sialyl Lewis X (Abcam)
human Gal-7
SSEL
MGL-6A
Epa1-Np mutant Y242A
ZAA
HA70 complex-Alexa
LEA
DSL
GAC78
RCAI (Vector)
SGA
ACA
ABA
SSLO-Leg
Microvigin
MGL
GSL-I-B4
CCTG-B077
VVL (Vector)
HNA 6C-C-C3
PHA-E
DC-ASGPR short
VVH-A (Berlin)
Tdy-Lec
SBL
ME5(detected with a-HUD)
Bau-Lec
Bau-Lec
MOA
GNA (EY Lab)
DBL-1
HHA(EY Lab)
BYE Tetra
ConA
Mouse Galectin-1
Galectin-1C
Anti-LeC

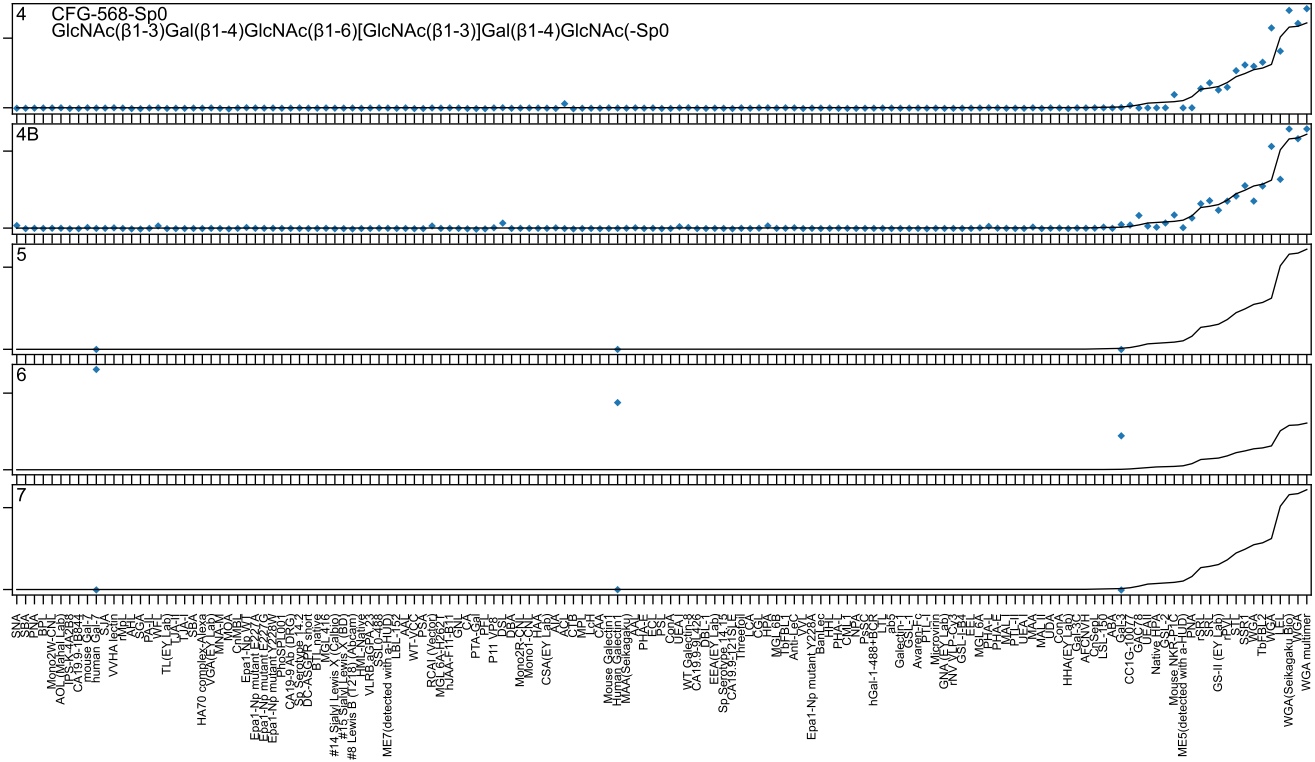

4
CFG-563-Sp21
GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(-Sp21
4B
5
6
7
0.0
0.5
1
hJAA-F11
TL-EAI
UDA
TL(EY Lab)
VGA(EY Lab)
TJA-I
SBA
LSL-PNA
RCAI (Vector)
PTL-I
PNA
PA-Gal
PSL
LBL-I
MAA
VVL
MAA(Seikagaku)
PWM
human Gal-3
RamLec
VVH
Microvirin
abs
HA70 complex
Man-6-P
MGL-6A
MGL-6B
Mono2W-CBB
Mono2R-CBB
GNA (EY Lab)
Native SBA
SBA
mouse Gal-7
SSL
MAL
Mono2R-CNI
Mono1-CNI
ALA
WT Galectin-3
Phosphatase
Gal-3C
VLRB.aGPX-13
Epa1-Np mutant E227G
Epa1-Np mutant
Mouse Galectin1
Human Galectin1
Epa1-Np WT
Epa1-Np
PEA
Anti-PEA
MEL
P11
Avaren-Fc
NPA
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbiochem)
GSL-I B4
CSA(EY Lab)
LBA
CnSepA
DBA
ERL
GSL-I
CA19-9 (Abcam)
CA19-9 (Kamiya)
CA19-9 (Santa Cruz)
CA19-9 (Abcam)
Sp Serotype 14,15
#8 Lewis B (Y218)(Abcam)
hGal-1(48)-Fc
hGal-1(48)-Fc
Epa1-Np mutant
Mouse DAF-H2594
MGL DAF-H2594
DSL
Epa1-Np mutant Y228W
PI-PLC
GAL
PSA
LEL
DC-ASGPR short
SNA
PAC
F-416
Galectin-1
CA19-9-18844
HML-Neoleo
CGB
CA19-9-123-SLE
GSL-I(EY Lab)
MNA-M
CCTG-10077
WT-VCC
HHA(EY Lab)
rNV VP-Cy3
APC-MNA
PHA-E
PSA
LCA
GSL-I
ME7(detected with a-HUD)
LSA
ABA
CGA
Mouse NKR-P1C
ME5(detected with a-HUD)
WGA
rSBL
SBA
CGB
BTL
Tb-BLB2
AOL (Marine)
PHA-L
PHA-E
WGA
WGA(Seikagaku)
PAI
WGA multimer

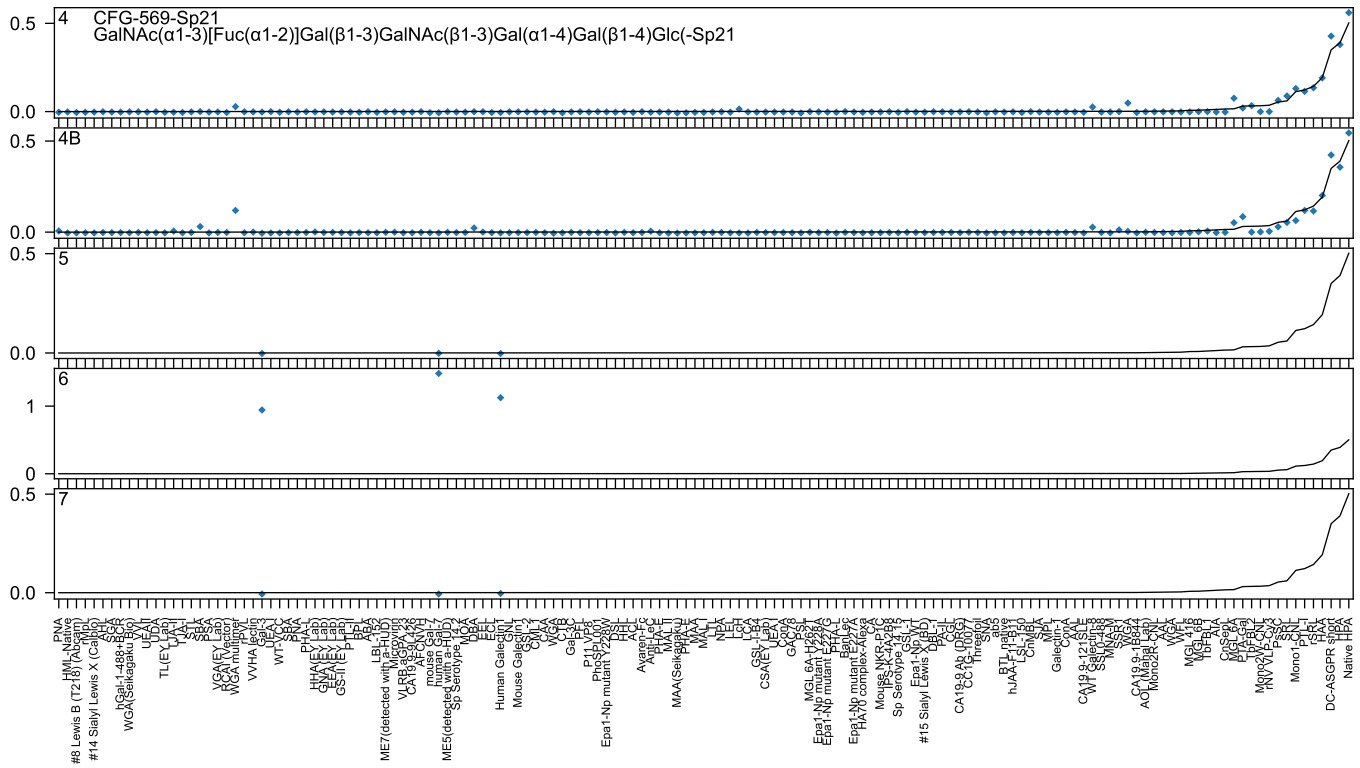

4
CFG-564-Sp21
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
Microvillin
IPS-1-2-1
CA19.9-21
CA19.9-1
Bauhinia
Galec
MGL
ABL
ACL
Native PNA
PAA
PAA-I
UEAII
UDA
TL(EY Lab)
LCA
VVA
SBA
PSA
Mono2W-PNA
PNA
GSII (EY Lab)
GSII (Vector)
Epa1-Np mutant E227A
Epa1-Np mutant S170G
Avarep-Fc
Sp Serotype 14
Sp Serotype 23F
DC-ASGPR spot8
rNV Gal-Fc
#14 Sialyl Lewis X (Sialo)
rNV Gal-Fc
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WT-VGA
VGA(EY Lab)
UEA
SSA
PNA
HHA(EY Lab)
HHA(EY Lab)
EEA
MGL 6A-Fc
PHA-E
PHA-L
LFA
DBA
SBA
GSII
CA
PPL
CSA(EY Lab)
PTI VAB
AIA
ACG
WGA
MPA
GNA
UEA1
ABP-CRC
Mono2G-PNA
GSII-B4
hJAA-F11-B1
PTL
MAL
LCH
MAA(Seikagaku)
MAL
NPA
PSA
TbF-B2
CA19.9-TSS01
CML4
ECL
#15 Sialyl Lewis X (Bio)
Epa1-Np mutant Y228A
Sp Serotype 14-15
CA(TRB a-GPA-G)
MGL6A
#8 Lewis B (T218) (Abcam)
CAA
hGal-1-488+BCR
ThreeEA
PHA-L
HA70 complex
MGL 418
Epa1-Np mutant Y228A
MOA
WT Galectin-1
HLA
Mono1-CNL
HMGB1
Gal-3C
CnMEL
APCP
BP
Mouse NRP
NSL-150
CoPA
PNGA
Epa1-Np WT
Mouse Galectin-1
S-1
WGA(Seikagaku Bio)
PHA-E
LBL-152
hUVAR Gal-1
VVA Galectin
Galectin-1
CC1G-10047
Human Galectin-1
CnSepL
BTL (native)
mouse WGA
AOL (Malpa Lab)
PHA-E
WGA multimer
RCAI (Vector)

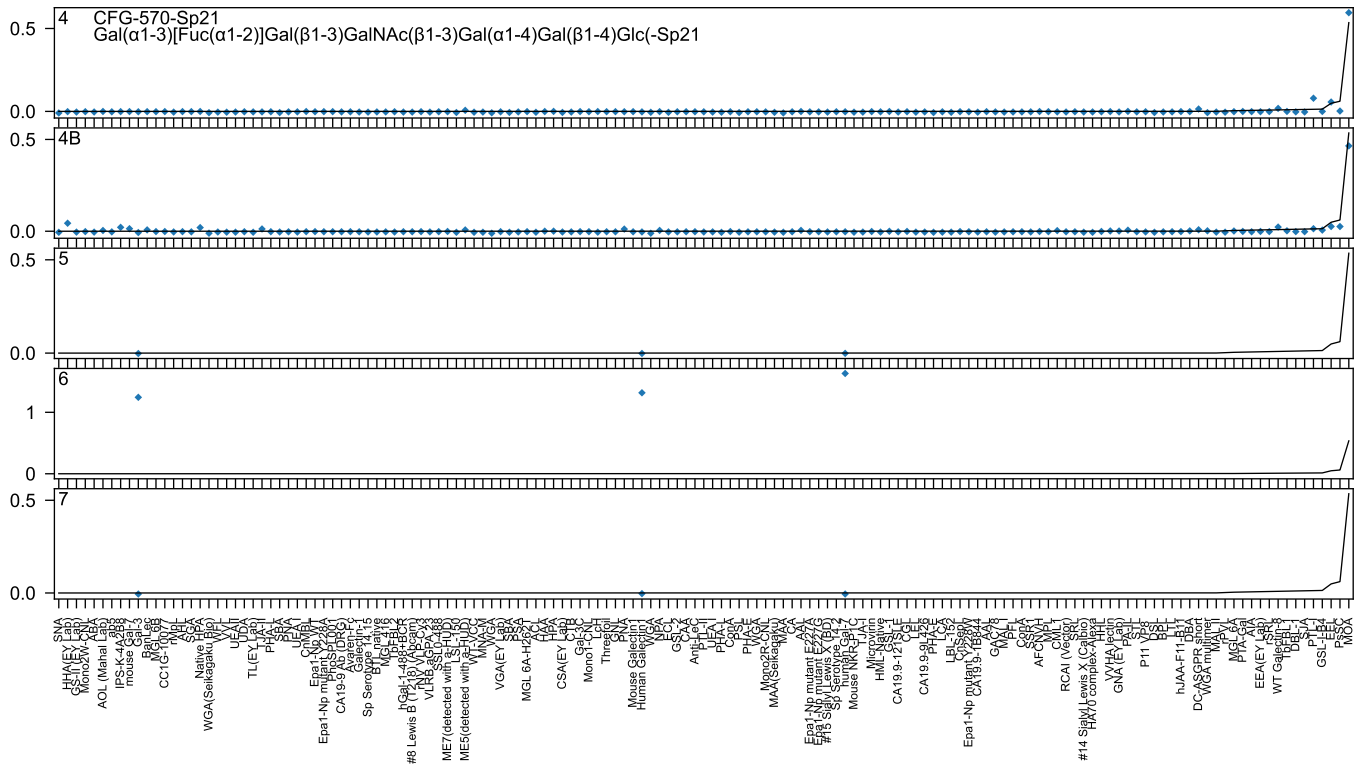

4
CFG-565-Sp21
Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-4)][Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(-Sp21
4B
5
6
7
0.5
0.0
2
0
SNA
SIA
ABA
ABG
IPSK-44
CA19.9-18944
Barley
SSA
GSII(E. Lab)
Neu5Gc
HPA
PEA
UEA
TL(EY Lab)
PNA
PTA-I
PTA-II
PHA-E
PHA-L
EEA(EY Lab)
EEA(Vector Lab)
Epa1-Np mutant Y222A
Epa1-Np mutant E223A
phoSPC(Ion)
SBA
Sp Serotype 14
Sp Serotype 23
MGL 418
#8 Lewis B (T218) (EY Lab)
VRA aGPA 23
ME7(detected with a+-AD)
ME5(detected with a-WD)
UEA1
SBA
PNA
SSL9
MAL
MGL 6A-H2B1
ACA
CorA
DBA
UEA1
GNA
MAA(Seikagaku)
PE
GSL-2
Mono2R-CNL
MAL
MAA
#15 Sialyl Lewis X (A2)
Sp Serotype 3-SC
VGA(EY Lab)
CMG
CA19-9 Agilent
CA19-9 Abbiotec
#14 Sialyl Lewis X(Calbio)
P11
VRA
CA19.9-12-SDS
SBA
ACA
nNV VP1-Cy3
Epa1-Np mutant P422A
Epa1-Np mutant Y222A
Microvirin
CA19.9-91.428
WT Galectin-8
hJAA-F11-B11
MPL
Epa1-Np mutant E223A
GSL-I-B
NOA
AAL
LCA
MGL 6A
hPTB1-2
Mouse NNV-CNL
Mouse NNV-CNL
Mono-CNL
GSL-I-B4
Threalign
WT-150
PSA
HMW-Neu5Ac
WGA
CAA
Gal-3C
DSA
hGal-1-488
WAC-CNL
NPA
PHA-E
CorA
CnnA
Epa1-Np WT
DC-ASGPR short
Mouse Galectin-3
STL
WGA(Seikagaku Bio)
HA70 complex-Alexa
DSL
CGL
LBL
human Gal-2
VVHA actin
mouse
BTL mouse
CC1G-1D07
mouse Gal-7
Human Galectin-1
Control
WFL
AOL (Maltal-Bio)
RCAI (Vector)
WGA multimer
AAL

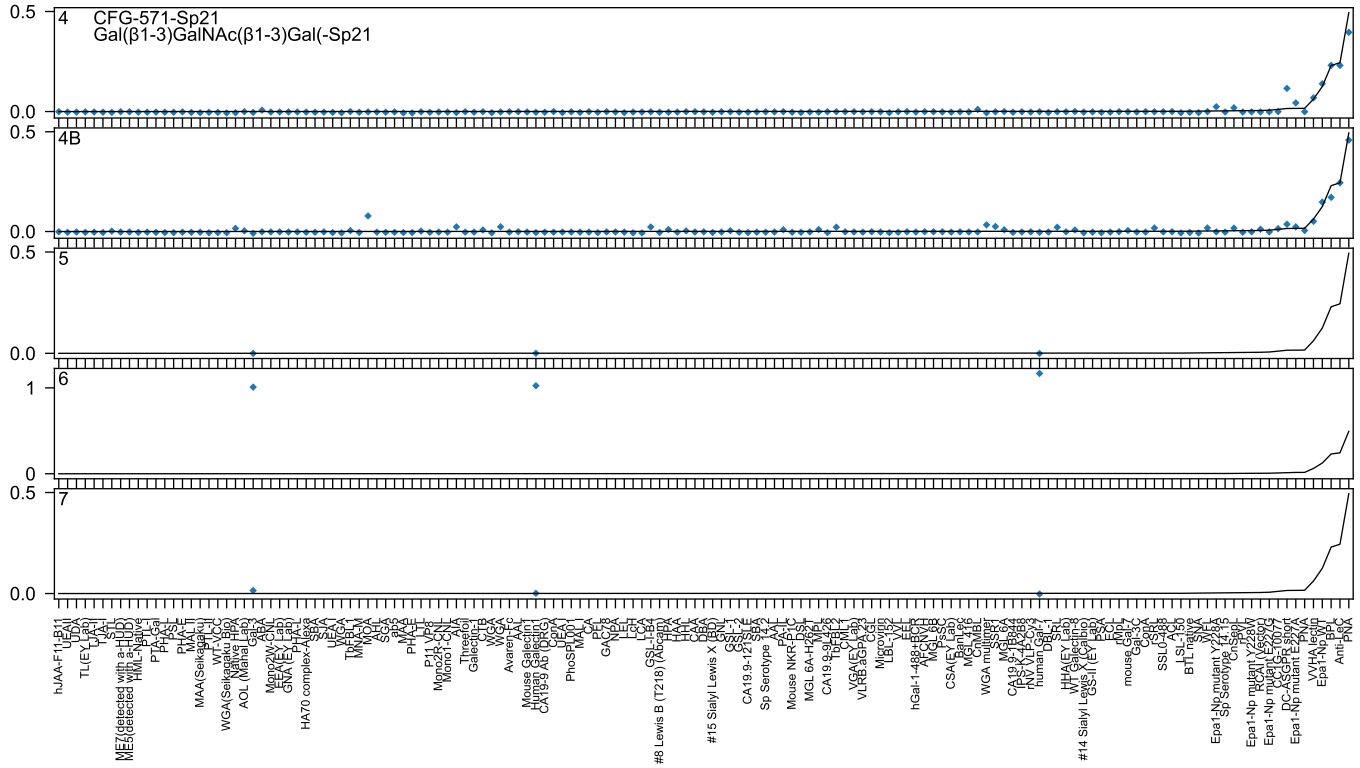

4
CFG-566-Sp0
Fuc(α1-4)[Gal(β1-3)]GlcNAc(β1-2)Man(α-Sp0
0.1
0.0
4B
0.05
0.00
5
0.05
0.00
6
1
0
7
0.05
0.00
PGA
CSA
Bandec
DSL
DSS
DBA
#14 Sialyl Lewis X (Cal
LCA
NPA
UEA
MAA
UDA
TL(EY Lab)
PHA-L
TJA-I
TJA-II
CA19.9-926
#15 Sialyl Lewis X (BD
Lewis Y (BD)
GSII(EY Lab)
PNA
HHA(EY Lab)
Human Galectin1
Human Galectin7
PWA
SBA
PhoSL (Gal)
PhoSL (GalNAc)
abo
Mouse NK cells
Orosomucoid
PTL-I
PTL-II
Sp Serotype 6 (EY Lab)
VGA(EY Lab)
CA19.9-12
WFE
HPA
Microgen
HAA
Sp Serotype 14
WAA(Seikagaku)
GSL-I
GSL-II
CSA(EY Lab)
UEA
HML-Naive
AFCNYH
PAA
PAU
AAL
MGL6A-HRP
VVA
VTRA aGPA-23
SBT
SBB
LBL-152
LBL-153
#8 Lewis B (T218) (Abcam)
CVN
GNA (EY Lab)
Epa1-Np mutant E227G
Epa1-Np mutant E227A
hGal-1-488-HRP
SSL(Gal)
SSL(GalNAc)
AOL
MGL-418
GLL-418
CA19.9 Ab (DRFE)
Epa1-Np mutant V228A
Epa1-Np mutant V228G
EEL
EEA
WIT Galectin-1
CA19.9-BBI
Epa1-Np mutant E227G
PNA-CE
Epa1-Np mutant V228A
Epa1-Np mutant V228G
PHA-E
PHA-L
IPS-K-4A-SBB
Gal-3
Epa1-Np
GSII-I-B4
Mono1 Galectin-1
mouse Galectin-1
MAL II
MOA(A)
MOA(H)
EEA(EY Lab)
GNA
PSL-E
PSL-I
HA70 complex-Alexa
HPA
MOA
Gal-3C
hJAA-F11-B11
Avarol-Fc
nNVHA-Fc-X3
AIA
PA-IL
PTA-Sal
CnSep1
Galectin-1
Mouse Galectin-1
Mono2R-Fc(N)
ABA
Native VGA
human Galectin-7
Mono2 Galectin-8
RCA I (Vector)
WGA(Seikagaku)
PB-L2
VCB
VVL
AOL (Mabtal Lab)
CCTG-1077
BTL (naive)
ME7(detected with anti-AAL)
AAL
Tbo-Gal
Anti-LeC
WGA (with HUB)
ME5(detected with anti-HUB)
DC-ASGPR short

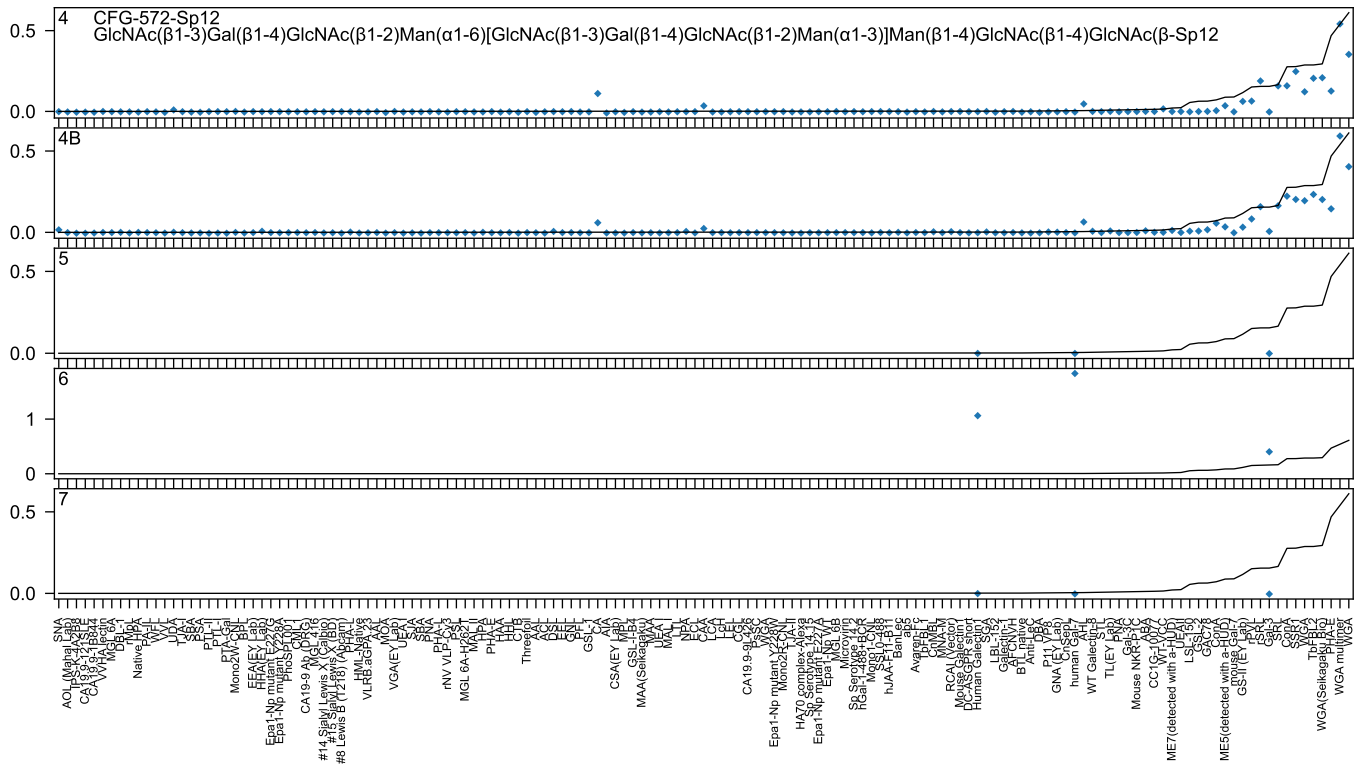

4
CFG-567-Sp0
Neu5Ac(α2-3)Gal(β1-4)[Fuc(α1-3)]GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
EEA(EY Lab)
GSII(EY Lab)
mouse Gal-3
CGL
Bau-1
ACL
SCL
GNA(EY Lab)
Native PA
LYA
LYT
UDA
DAA
DAI
SBA
PNA
RCAI (Vector Biol)
WGA(Seikagaku Biol)
STA
SSA
WGA
CnuN
Epa1-No WT
Epa1-No mutant E221A
Epa1-No mutant Y228A
Epa1-No mutant Y228A
WGA
Galectin-9
Sp Serotype 4
CnSep1
WGA 416
Gal-1
#8 Lewis B (Y2-1)
rGal-1-488-BCR
HWL Seikagaku
Naive
nNV Vac
LSL-155
LSL-156
WT Vac
WGA
MOA
VGA(EY Lab)
PTL-I
hJAA-F1-B11
PHA-L
CAA
HCA
GSL-3
PHL
HPA
LEA
GNL
Gal-3C
CSA(EY Lab)
LEA
GSL-I B4
WGA
Psa
Anti-Human Galectin-1
MAL II
Human Galectin-1
Mouse Galectin-1
CTB
DBA
GSL-I
NPA
Mono1
VLRB-GFP-C35
HA70 complex-Alexa
TJ(EY Lab)
CA19-9 Ab (PRAG)
UEA-1
Bap-3
Gal-3
GNA
IPS-K-4
WGA
Mouse NKR-P1C
HHA(EY Lab)
CA19.9-121 Ab
AFCN/H
CC1(IC-70077)
EEL
Sp Serotype 4-75
PNGase F-1001
MGL(BAP-1001)
SSA1
SSL
TBP
Thrombol
TBP-BEF
CA19.9-1426
Mono2KR
SSL
VVHA tetm
PAV
P11
Galectin-3
BVFA-E
Mono2-Alexa
MAA(Seikagaku)
CA19.9-GAL
MGL-66
human Gal-7
PCSA
Avarep-EC
PSA
CD0A
ME7(detected with HUD)
BTA
MPL
MGL
WFA
#14 Sialyl Lewis X (BB)
WGA multimer
#15 Sialyl Lewis X (BB)
DC-ASGPR sinpt
CD14
CD4
ME5(detected with SL-HUB)
PHA-E
AOL (Marker-BF)
AAL

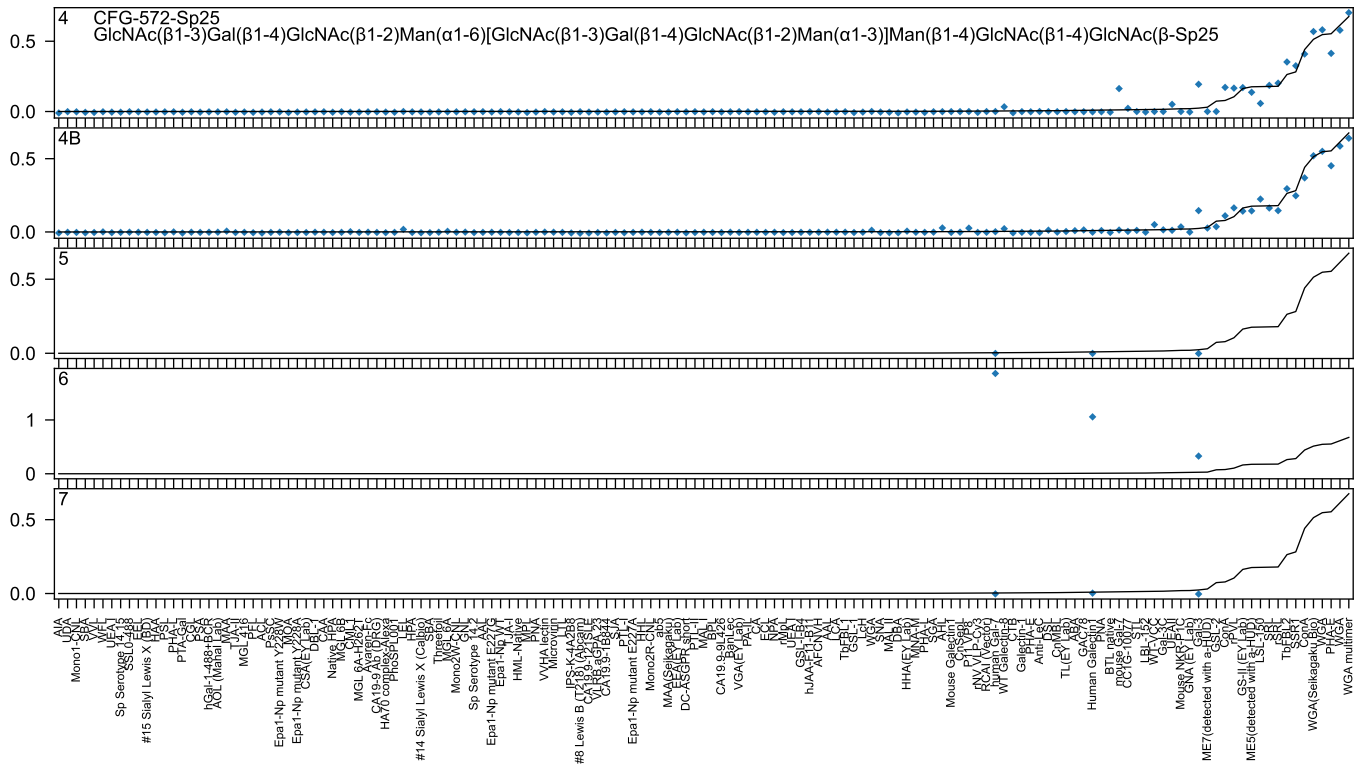

4
CFG-568-Sp0
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)]Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.5
0.0
1
0
SNA
SIA
PNA
BPA
BNL
Mono2W-BNL
AOL (Matriq Lab)
CA19.9-18844
mouse Gal-7
human Gal-7
SJA
VVHA mon
ABL
ABEL
PAGA
VVL
TL(EY Lab)
LCA
LEL
SBA
HA70 cowpox-Alexa
VGA(EY Lab)
MNA
NGA
LAA
Epa1-Np WT
Epa1-Np mutant Y227A
Epa1-Np mutant Y227W
Epa1-Np mutant Y227F
CA19.9 Ab (DRG)
DC-ASGPR-Fc
BT_native
#14 Sialyl Lewis X (Gal)
#15 Sialyl Lewis X (BD)
#8 Lewis B (T2 BM Agam)
VLRB-sgPA 23
VLRB-sgPA 28
MET(detected with a1-HUD)
LBL-162
WT-VCC
PSA
RCA (Vector)
MGL (EY Lab)
hJAA-FITC
GNL
CA
PTA
PEL
P11
VGL
DBA
Mono2R-CNL
Mono3-CNL
HAA
CSA(EY Lab)
ABA
ACG
ACB
MPL
CAA
Mouse Galectin1
MAA(Seikagaku)
MAA(Seikagaku)
PHA-E
ECL
PSL
UEA1
WT Galectin-8
CA19.9 Ab 128
DBL-1
EEA(EY Lab)
Sp Serotype 14-12
CA19.9-T2-Tsu
Thrombin
CGA
HPA
HGA
MGL-BB
Anti-PSC
Epa1-Np mutant Y227L
Epa1-Np mutant Y227A
Bandeiraea
PHL
PHA-L
CKLL1
PSSA
hGal-1-488+BCR
PSSA
abs
Galectin-1
Avarrigh-Fc
Microvirin
GNA (EY Lab)
rNV GST-Fc
GSL-I-B4
EEL
MGH-1
PHA-E
PHA-L
PTL-I
UEA
MPL
MPL II
ConA
HHA(EY Lab)
ConA
APOVH
LSL-Seb
LSL-Seb
ABA
CC1G-10872
GNA
Native EPA
Mouse NKR-P1-2
ME5(detected with a1-HUD)
rSIA
rSNA
SRL
GS-II (EY Lab)
PNA
SSL1
WGA
WGA
Tb-WGA
WGA(Seikagaku)
BEL
VGA
WGA multimer

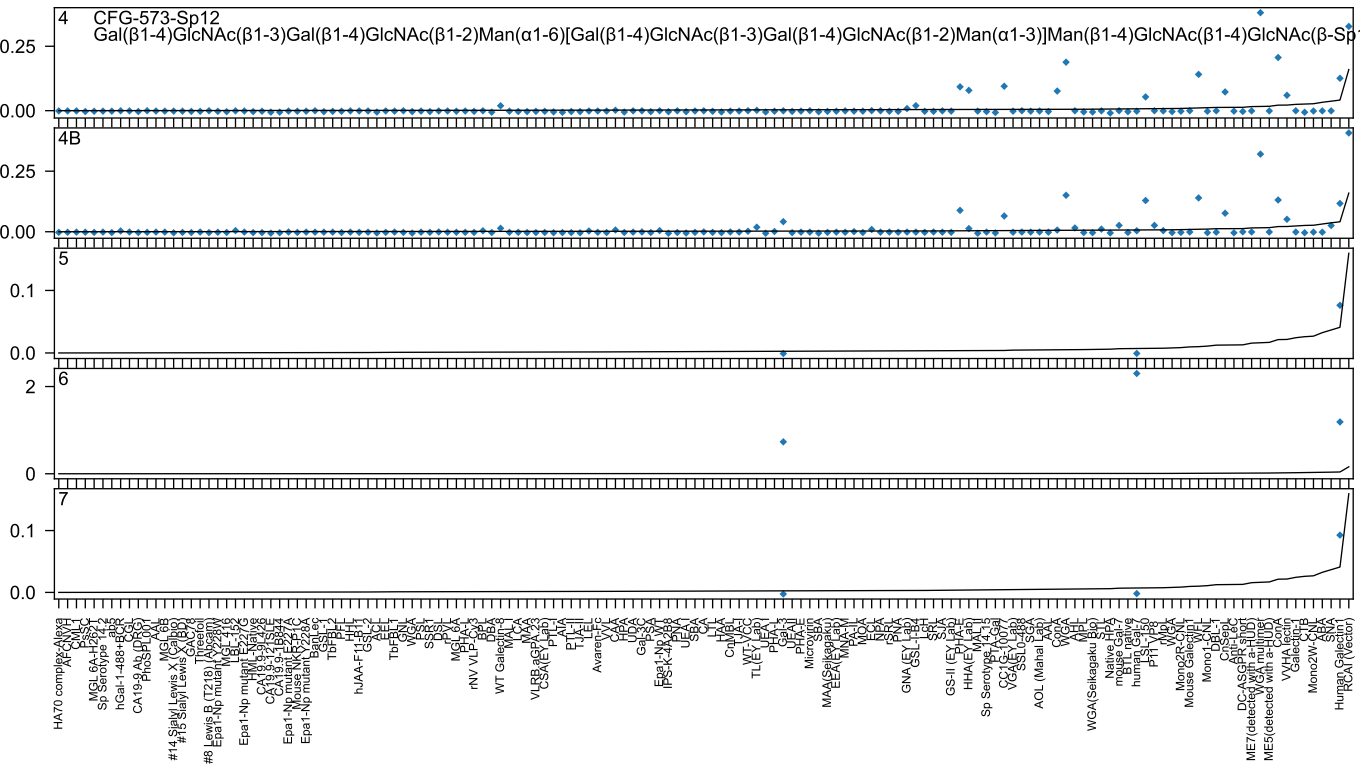

4
CFG-569-Sp21
GalNAc(α1-3)[Fuc(α1-2)]Gal(β1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
PNA
HML-Native
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
ASL
hGal-1-488+BCR
WGA(Seikagaku Bio)
UEAI
TL(EY Lab)
LAI
LAII
SBA
SSA
VGA(EY Lab)
WGA Nucleotide
PVL
VVHA Sp13
UEAI
WFL
SBA
PNA
HHA(EY Lab)
GNA(EY Lab)
GS-II(EY Lab)
PTL
BPL
LBL
ABA
MEL
MET(detected with a-HUD)
MOR
VLRB(EY Lab)
CA19-9-K426
ACA
mouse Gal-7
human Gal-7
MEs(detected with a-HUD)
Sp Serotype_142
DBA
EEL
EEL
Human Galectin-7
GNL
Mouse Galectin-2
CML
WGA
Gal-18
PSL
P11 Vector
PhoSP-001
Epa1-Np mutant Y228W
HSL
ACL
Avarrhoe
Anti-LeC
MAL-T
MAA(Seikagaku Bio)
MAL
NPA
LCH
LCA
GSL-I(EY Lab)
CSA(EY Lab)
UEAI
GAC78
MGL 6A-H263T
Epa1-Np mutant Y228A
Epa1-Np mutant F227A
Epa1-Np mutant F227G
Epa1-Np mutant Y228G
RAX10 complex-Alexa
Mouse NKR-P1A
PS-K-4A268
Sp Serotype_GSL-13
Epa1-Np WT
#15 Sialyl Lewis Dimer (DBD)
PAL
CA19-9 Ab (DRG)
CC1-100(Ori Immune)
SNA
alve
BTL
hJAA-F11-B11
CHA(B)
NPA
Galectin-1
CVN
CA19-9-121-SLE
WT Sialyl-488
MNA(EY)
WGA
CA19-9 Ab(Mab-4D1)
AOL(Mab-4D1)
Mono2R-CNL
VGA
VFL
MGL-168
TBF-RIA
CaSe91
PNA-Gal
Mon2-TbF-BL2
rNV(VLP-CY3)
PSC
Mono1-CNL
PSL
PSPL
HAA
DC-ASGPR
SIFA
Native HPA

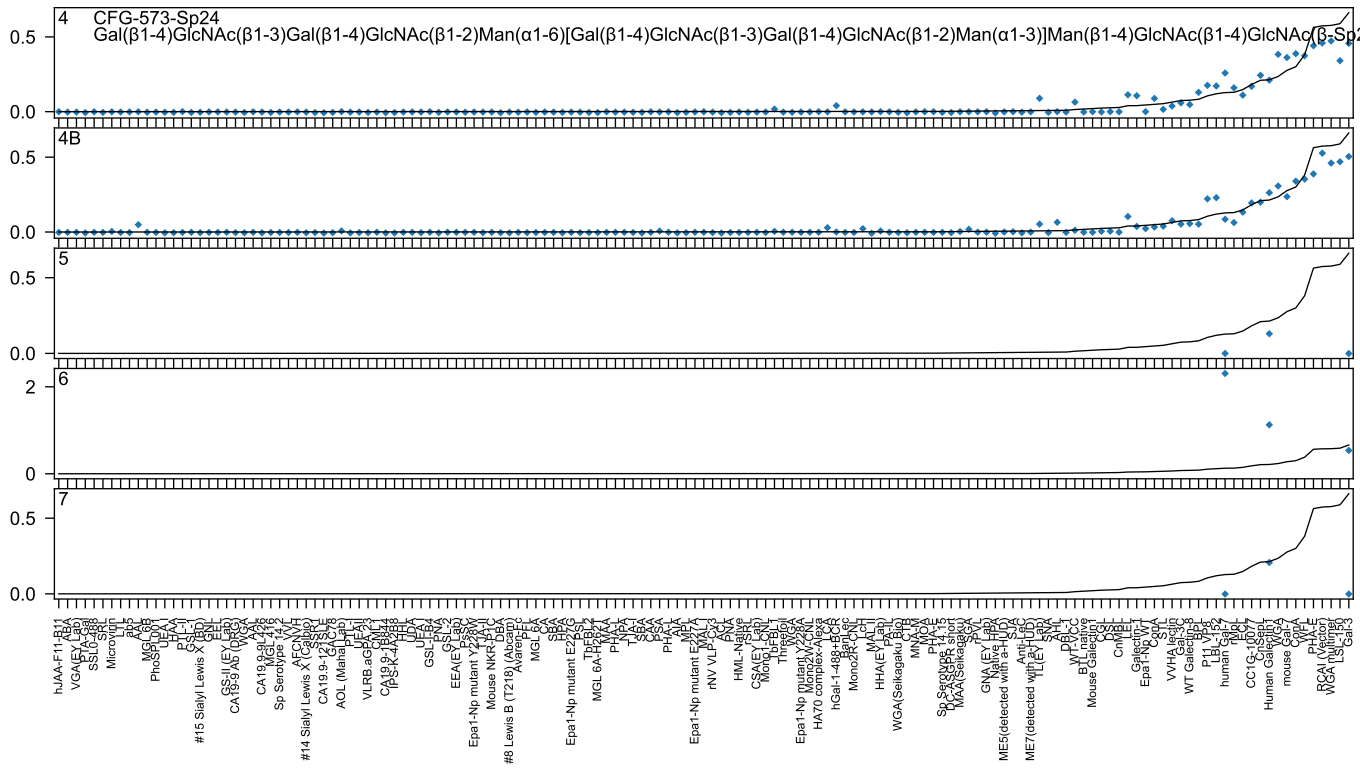

4
CFG-570-Sp21
Gal(α1-3)[Fuc(α1-2)]Gal(β1-3)GalNAc(β1-3)Gal(α1-4)Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.5
0.0
1
0
SNA
HHA(EY Lab)
GS-I (EY Lab)
Mono2W-Ab
ABA
AOL (Mahal Lab)
IPS-K-4A
mouse Gal-3
Bacillus
CC1(G-70-09)
NVB
SSA
Native PPA
WGA(Seikagaku)
MPL
UEA-I
UDA
TL(EY Lab)
PHA-L
PHA-E
UEA
PNA
Epa1-Np WT
Epa1-Np mutant P226A
CA19-9 Ab (DRG)
Galectin-1
Sp Serotype 14, 15
hGal-1-489-BCS
VLRB.aGPC.33
SSL1-188
LSL-150
MMA(CK)
VGA(EY Lab)
SBA
MGL 6A-H2629
ACA
HPA
CSA(EY Lab)
Gal-C
Mono1-Ab
Threonin
PNA
Mouse Galectin1
Human Galectin1
WGA
LCA
GSL-I-A4
Anti-Leb
DBA
PHA-L
PHA-E
CSA
PNA
PHA-E
Mono2R-ONL
MAA(Seikaguku)
WGA
ACA
Epa1-Np mutant E227A
Epa1-Np mutant E227G
#15 Sialyl Lewis a (TP2)
Sialyl Lewis x
human Gal-7
Mouse NMC-1
UJA-1
HMC
Microvirin
GSL-I
CA19.9-12
SGE
CA19.9-9.1
LEL
PHA-E
LBL-1
Consap
Epa1-Np mutant D227A
CA19.9 (Fujirebio)
AAL
AAA
GNA
MAL
PF
CSBP1
AFCVM
CML1
CML1
RCAI (VeSR)
#14 Sialyl Lewis X (Calbio)
HA/6 complex-Ab
HHL
VVA(HA lectin)
GNA(EY Lab)
PA-IL
P11
VVL
DSL
BPL
hJAA-F11
LEA
DC-ASGPR short
WGA mutant
PVL
PVX
PNA-Gal
AIA
EEA(EY Lab)
WT Galectin-3
Tomato
DSL-1
PTA
GSL-I-B4
PSSC
MOA

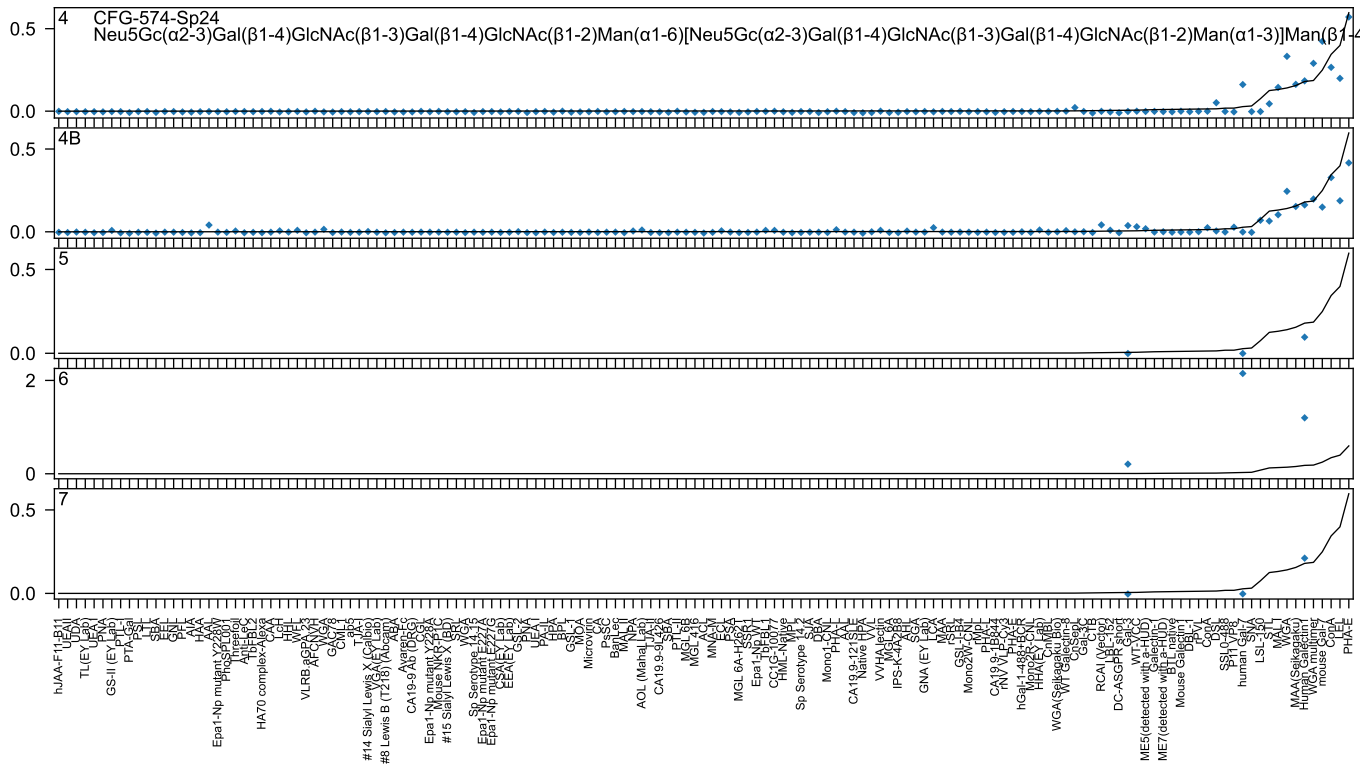

4
CFG-571-Sp21
Gal(β1-3)GalNAc(β1-3)Gal(-Sp21
4B
5
6
7
0.5
0.0
1
0
hJAA-F11
EAI
UDA
TL(EY Lab)
LAI
TKA
MEZ(detected with a-HUD)
MEZ(detected with a-HUD)
HMA
PHL-I
PHA-E
PHA-L
PSL
PHA-P
MAL-I
MAA(Seikagaku)
wt-VCC
WGA(Seikagaku)
BPL
AOL (Maha Lab)
CBA
ABA
Mono2W-CNL
GNA (EY Lab)
PTA-E
HA70 complex-X
SBA
SNA
UEA-I
VGA
TKA-M
MAA-M
MOA
SGA
ABS
NPA
PHA-E
P11
Vbs
Mono2R-CNL
Mono1-CNL
AIA
Threefoil
Galectin-1
CTB
WGA
ACA
Avarem-Fc
Mouse Galectin1
Human Galectin1
CA19.9-AD
CGA
CPA
DSL
PhoSPL
DBA
MAL-II
PCA
GAL3
WFA
LEL
LCA
GSL-I-B4
GSL-I-A4
#8 Lewis B (T218) (Abcam)
BPA
HAA
CAA
DBA
GNL
GSL-I-2
CA19.9-12
SSL-I
Sp Serotype 14-2
AAL
Mouse NKR-P1C
MGL 6A-H293T
MPL
CA19.9-HEP2
VVL
VGA(EY Lab)
VLRB aGPA-293
CGL
Microvirin
LBL-1B2
EEL
hGal-1-488+BCB
MGL 6B
CSA(EY Lab)
Bauhinia
MGL-MB
WGA multimer
MGSG64
CA19.9-T84.66
CA19.9-T84.66
INV VLP-C93
human Gal-1
#15 Sialyl Lewis X (CA albio)
HHA(EY Lab)
WFA (Galab)
#14 Sialyl Lewis X (CA albio)
GS-II (EY Lab)
PSA
RCA
mouse Gal-7
Gal-3
Gal-9
SSL-CSB
ABS
SSL-150
BTL mutant
NVA
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Epa1-Np mutant E229Q
Epa1-Np mutant E229A
DC-ASGPR-10077
Epa1-Np mutant E229A
VVHA lectin
Epa1-Np-001
Epa1-Np-001
PSC
Anti-Epa1
PNA

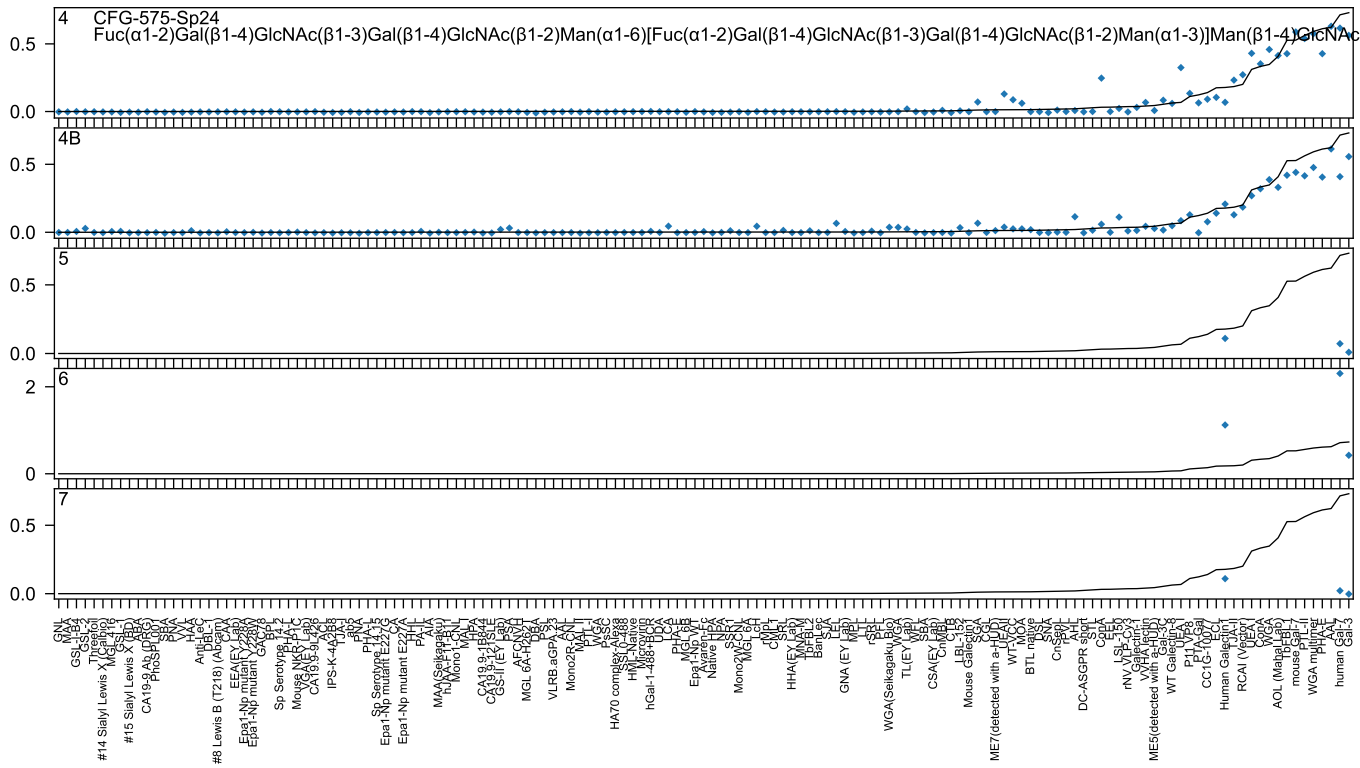

4
CFG-572-Sp12
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp12
4B
5
6
7
0.5
0.0
1
0
SNA
ANA
AOL (Marbal Lab)
TPSK-4-AGB3
CA19-9-1B44
CA19-9-1B44
VVHA-Lectin
MAA-Lectin
DBL-1
Native PA-IL
PA-IL
WGA
UDA
SBA
ECA
PSA
PTL-I
PTL-II
Mono2Man-Gal
BPL
EEA(EY Lab)
HHA(EY Lab)
Epa1-Np mutant E227G
Epa1-Np mutant E227A
PhoSP-C001
CA19-9 Ab (ORIG)
#14 Sialyl Lewis X (IBD)
#13 Sialyl Lewis X (IBD)
#8 Lewis B (T218) (Abcam)
HML-Native
VLRB.aGPA.A3
MOA
VGA(EY Lab)
UEA
SNA
BNA
rNV VLP-1
PTA-1
MGL 6A-W82(1)
PSL
MGL 6A-W82(1)
HPA
PHA-E
HAA
DSA
DBA
Threo/gal
AAL
DSL
GSL
PNA
GSL-I-B4
CA
AIA
CSA(EY Lab)
MPA
GSL-I-B4
MAA(Seikagaku)
MAA
MAL I
NPA
EPA
ECA
CAA
LCA
CGL
CA19.9-sLe-428
VFA
WGA
Epa1-Np mutant E227N
Mono2-Man-Gal
HA70 complex-Alexa
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Epa1-MGL 6B
Microvirin
Se Serotonin
H8Gal-1-488+BCR
Mgl2-Lec488
hJAA-F11-B11
Banlec
Avarol-F
Cyanovirin
RCA(Vector)
MNA(Vector)
Mouse Galectin1
DC-ASGPR short
Human Galectin-1
LBL
Galectin-2
AFCNVH
Anti-Leg
BC2L-C
P11
PBA
GNA(EY Lab)
human Sap4
human Sap7
AHL
WT Galectin-3
STL
TL(EY Lab)
Galectin-7
Mouse NKR-P1
Galectin-3C
ABA
CC1G-10077
ME7(detected with a-HUD)
LSL(EY Lab)
GSL-I-B4
GSL-I-A4
GAC78
ME5(detected with a-HUD)
GSL-I-B4
GSL-I-B4(EY Lab)
PWM
PHL
Gal-3
Gal-1
SRL
SSA
SSB1
Tomato
PBP2
WGA(Seikagaku)
Rcg
WGA mutant
WGA

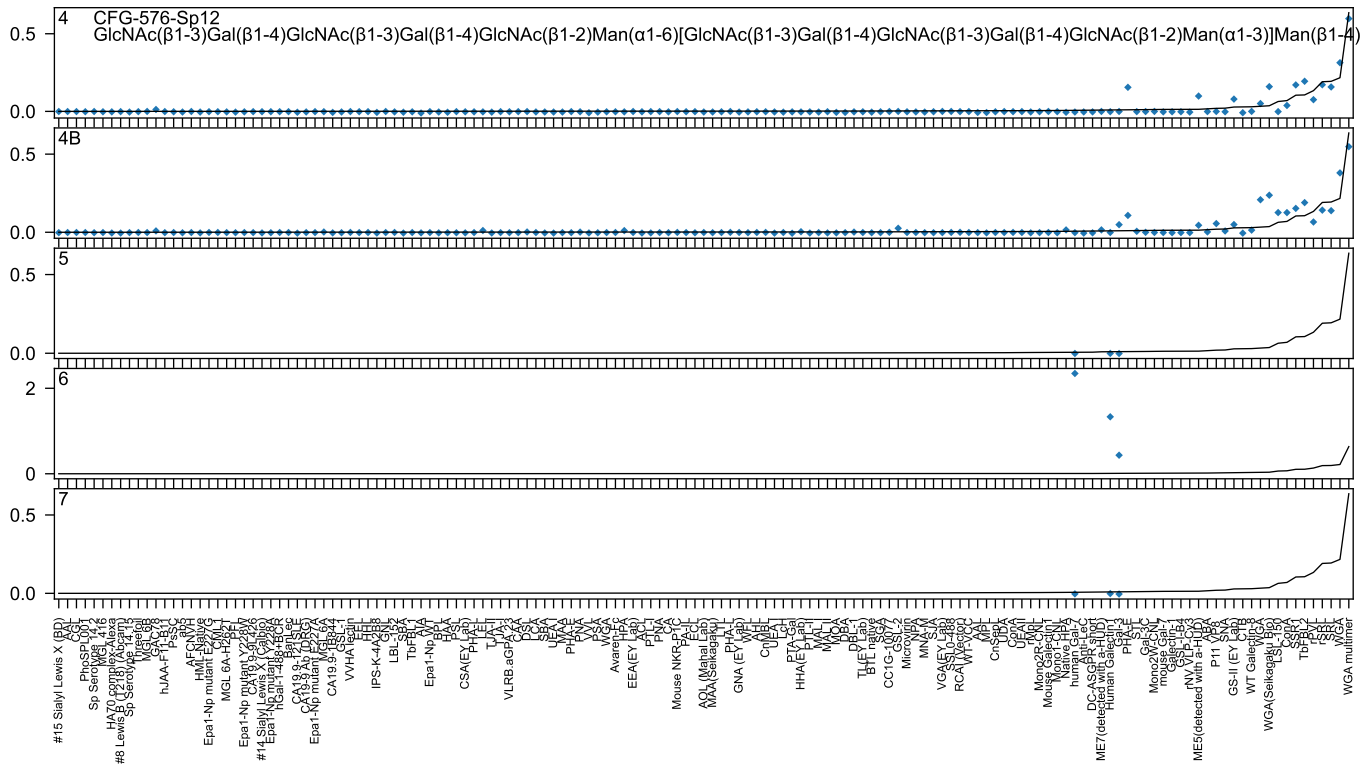

4
CFG-572-Sp25
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp25
4B
5
6
7
0.5
0.0
1
0
AIA
LAA
Mono1-CNL
SNA
SVA
VFL
UEA-I
Sp Serotype 4 T3
SSL0-488
#15 Sialyl lewis X (BD)
BSA
PHA-L
PTA(CGB)
CGB
hGal-1488+BCB
AOL (Mahal Lab)
TJA-I
MGL 416
ACL
Epa1-Np mutant Y226G
MOA
Epa1-Np mutant Y226A
CSA(EY Lab)
DBL-1
Native HPA
MGL
MGL 6A-H2827
Aleuria
CA19-9 (EY Lab)
HA70 complex-Alexa
PhoSH-LOD1
HPA
#14 Sialyl Lewis X (Calbiochem)
SBA
Tkaebori
Mono2WC-CNL
GNL
Sp Serotype 14
AAL
Epa1-Np mutant E627VA
Epa1-Np mutant K627VA
HML-NJA-1
WBP
PNA
VVXHA-KYO
Microvigin
IPS-K-44-238
#8 Lewis B (CT418) (Abcam)
CA19-9 (Abcam)
CA19.9-18B42
CA19.9-1116NS-19-9
PTL-I
Epa1-Np mutant E627A
Mono2R-CNL
MAA(Seikagaku)
DC-ASGPR (EY Lab)
PSL-I
MAL
CA19.9-9-1-426
CA19.9 (EY Lab)
VGA(EY Lab)
PAL-I
EPA
ECA
NPA
UEA-I
GSL-I-B4
hJAA (EY Lab)
AFCNV1
PCA
TxBL-I
GSL-I
UCH
VGA
MAL II
MAL I
HHA(EY Lab)
MNA-M
PNA-M
SGA
AH
Mouse Galectin-1
OnSBL
CVN
CVJ
CVX
RCA(Vector)
rCNV (Vector)
WFA
Galectin-8
CTB
Galectin-3
PHA-E
Anti-Lac
ConBL
TL(EY Lab)
ABA
GAC78
Human Galectin-7
PNA
BTL native
BTL recombinant
CCTG-10077
LBL
STL
WFL
CCL
GEAU
Mouse NK6-PTC
GNA(EY Lab)
Galectin-3
ME7(detected with a-HUD)
CGA
ME5(detected with a-HUD)
GS-II (EY Lab)
LSL
SBL
FRL
TxBL
SSA1
WGA(Seikagaku)
LCA
WGA
PWA
WGA multimer

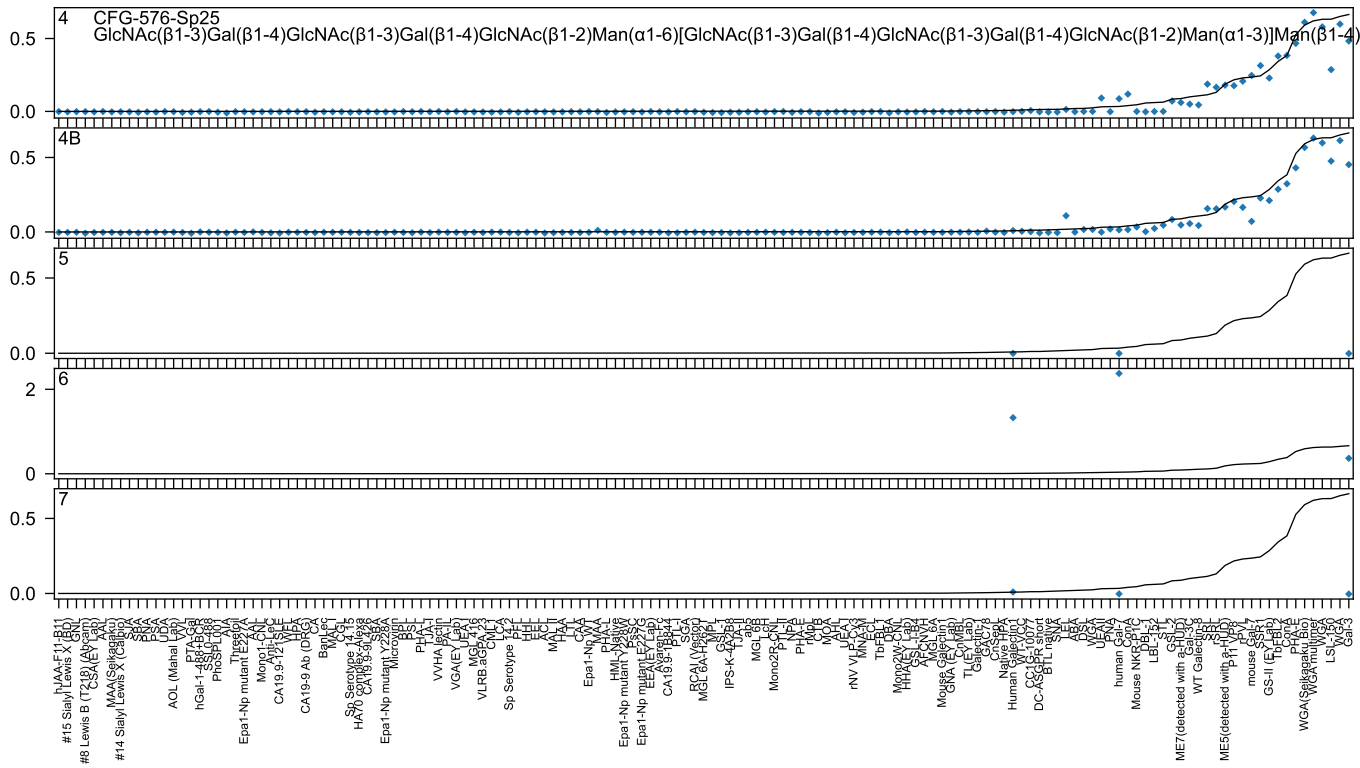

4
CFG-573-Sp12
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp1
0.25
0.00
4B
0.25
0.00
5
0.1
0.0
6
2
0
7
0.1
0.0
HA70 complex
Alexa
AK-CML1
CML1
MGL 6A-H
Sp Serotype 14.2
hGal-1-488+sugar
CA19-9 Ab (DRG)
PhoSPL001
MGL 6B
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
Neoteol
Epa1-Np mutant Y228W
MGL 1B
Epa1-Np mutant E227G
CA19-9-Alexa
CA19-9 (Abcam)
Epa1-Np mutant E227A
Mouse NK E228A
Epa1-Np mutant
Bacteroides
TGBL-1
PE
hJAA-F1-B11
GSL-2
EEL
TbpB
WGA
SSA
SSB1
PSL
MGL 8A
LPA-1
BP
WT Galectin-8
MALI
MAA
VLRB aCP-23
CSA(Cell Tech)
PHL
PNA
TJA-I
ACL
Avarol-Fc
VVA
UEA-I
HPA
LCA
GNA
PSA
Epa1-Np 289
PSA-K-Np 289
UEA
SBA
CA
LEA
HAA
CaMel
WT-VCC
TLE (VEA)
PHA-1
UEA-II
PHA-E
Mitogen
SBA
MAA(Sialyl-Lewis)
LEL (Vector)
MNA-M
MNA-N
MOA
RCA
SRL
PSL
GNA (EY Lab)
GSL-I-B4
SRL
SJA
GS-II (EY Lab)
PHA-L
HHA(EY Lab)
Sp Serotype 14-13
GC1G (1004)
VGA(EY Lab)
SSL(Vector)
SSA
AOL (Mahal Lab)
ConA
VFA
WGA(Seikagaku Bio)
MPL
Native-SP-9
mouse Galectin-9
BTL native
human Galectin-1
P11
VFB
WGA
Mono2R-CNT
Mouse Galectin-1
WFL
Mono DC-1
Mono DC-1
CnSepL
DC-ASGPR-Lec
MET7(detected with a-RUD)
MET4(detected with a-RUD)
ME5(detected with a-RUD)
VVHA (Vector)
ConA
Galectin-1
Mono2W-CNTB
ABA
ABA
Human Galectin-1
RCA (Vector)

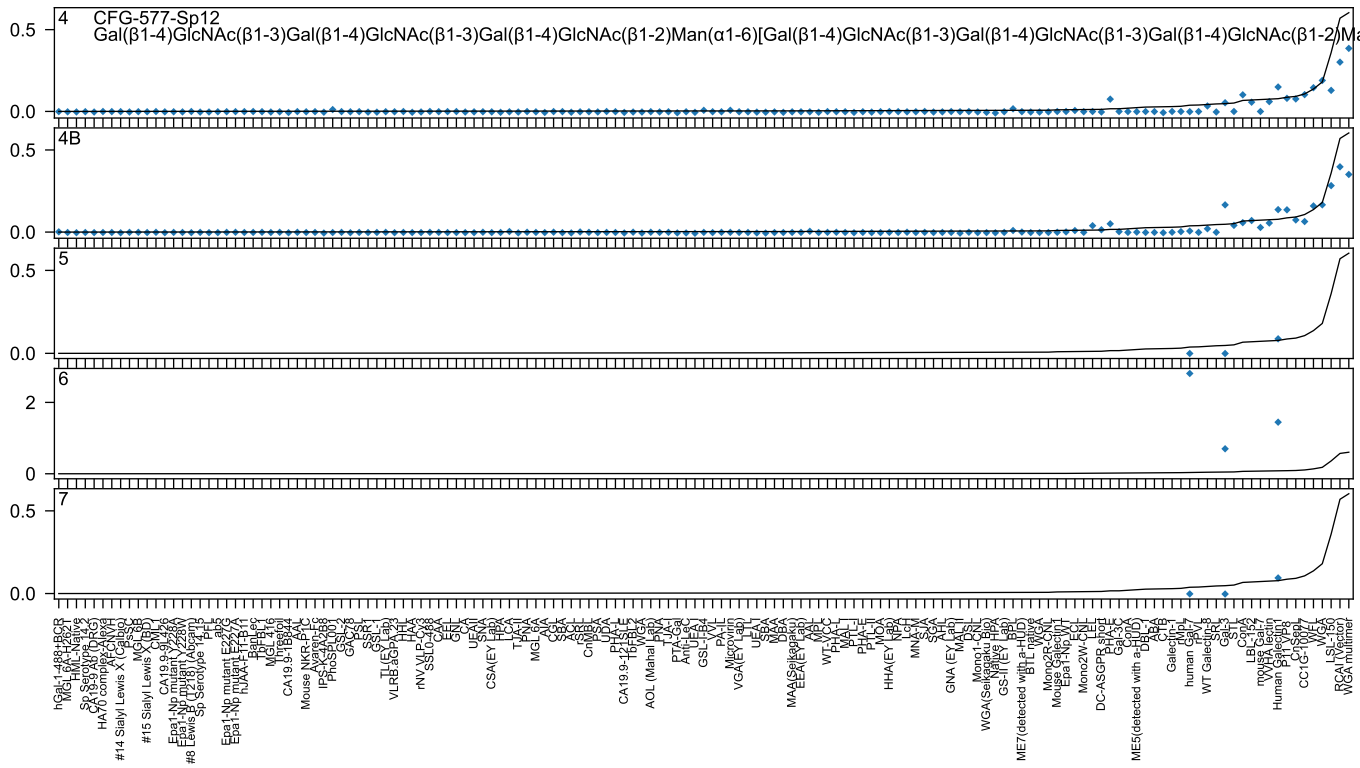

4
CFG-573-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(β-Sp2
4B
5
6
7
0.5
0.0
2
0
hJAA-F11 B11
BA
VGA(EY Lab)
SSL7
SSL2-488
SRL
Microvil
LCH
Ab5
Ab6
MGL-168
PhoS
DBA
PNA
HAA
GSL-I
#15 Sialyl Lewis X (BD)
EEL
GSII (EY Lab)
CA19.9(AbCam)
WGA
CA19.9-1428
MGL-416
Sp Serotype VI/7
#14 Sialyl Lewis X (BD)
ATCC
CA19.9-1116
CA19.9-1214
AOL (Maha Lab)
UEAI
VLRB.aCD3
CA19.9-1844
IPS-K-4-H8
UDA
GSL-I B4
ENA
GNA
EEA(EY Lab)
Epa1-Np mutant X228A
Epa1-Np mutant Y227A
Mouse NKR-P1A
#8 Lewis B (T218) (Abcam)
Aleuria
PEL
MGL-6A
SBA
SSA
Epa1-Np mutant E227Q
Epa1-Np mutant E227A
TSA
Tb-B27
MGL-6A-B27
MAA
PNA
NPA
TJA-I
SJA
CAA
CSA
PHA-L
AIA
Epa1-Np mutant E227A
MAL-I
rNV VLP-A
AGL
HML-Native
CSA(EY Lab)
SSL1
Mono2-LCN
TcFBL
Thrombin
Epa1-Np mutant Y228A
Epa1-Np mutant W229A
HA70 complex-Alexa
hGal-1-488+BCR
Banlec
Mono2-RCA
LCH
HHA(EY Lab)
PAL
WGA(Seikagaku)
CBA
MNA-M
MNA-N
PHA-E
Sp Serotype 14-15
Sp Serotype 14-18
MAA(Seikagaku)
PSA
GNA (EY Lab)
Anti-HUD
ME5(detected with a-HUD)
SJA
ME7(detected with a-HUD)
TL(EY Lab)
RCA
AH
DSL
WFA
PCC
BTL native
Mouse Galectin-1
CGL
Con A
LEL
Galectin-1
Epa1-Np
CGA
VVHA lectin
Gal-3c
WT Galectin-3
BPP
PTL-I
PTL-II
human Gal-7
TVL
MPL
CC1G-10077
Human Galectin-1
mouse Gal-9
CGA
PHA-E
RCA I (Vector)
WGA (Vector)
ISL-1 B6
Gal-3

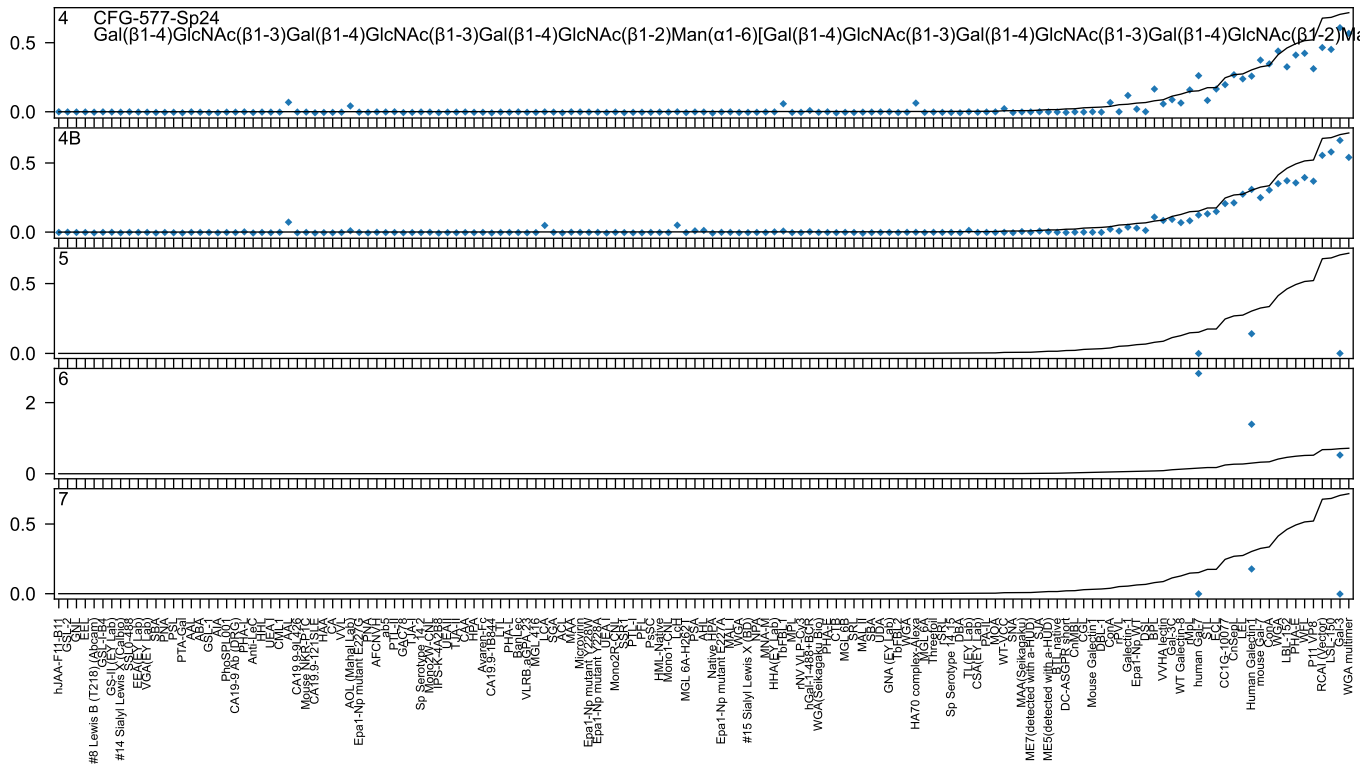

4
CFG-574-Sp24
Neu5Gc(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Gc(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4
4B
5
6
7
0.5
0.0
2
0
hJAA-F11
BAI
UDA
TL(EY L)
LEA
PNA
GS-II (EY L)
PHA-L
PTA
Gal
LT
SBA
GSI
GNA
AIA
HAA
Epa1-Np mutant Y228W
PhoSPLC(0)
Anti-EpC
Anti-EpC-Alexa
HA70 complex-Alexa
CAA
HEL
WGA
VLRB aGPC1
APC(N)1
GNL
GALT26
CMI-1
T
JAC1
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (rT218) (Abcam)
ABA
Average
CA19-9 Ab (DRG)
Epa1-Np mutant Y228A
Mouse NK-92 PLC
#15 Sialyl Lewis X
SBA
V135
Sp Serotype 14
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Mouse (EY Lab)
EEA(EY Lab)
GLA
PNA
PEA
HPA
GS-I
GS-II
MOA
Microvil
CA
PsSC
BaSC
MAL II
AOL (Mahal Lab)
CA19.9-42
SBA
PT-1
PT-1d
MGL 416
MNA-M
MNA-N
EC1
MGL 6A-H635
SSG1
Epa1-Np
DBA1
CCC-10077
HML-WIB
WIB
Sp Serotype 14
LYA
DBA
Mono1
PHA-L
CA19.9-121
SAL
Native HPA
HPA
VL
VVHA (EY L)
IPS-K-4A
MGL 8A
SGA
GNA (EY L)
PNA
MAA
NEA
GSL-I B4
Mono2W
AOL
CA19.9
PHA-E
CA19.9 VL
PSA
CNV VL
PHA-L
hGal-1-488
HHA(EY L)
Mono2K
CNL
WGA(Seikagaku Bio)
WT Galectin-3
Galectin-3
Gal-3C
RCAI (Vector)
DC-ASGPR-152
Gal-3
WT-HUD
ME5(detected with Galectin)
ME7(detected with BTF native)
Mouse Galectin1
DSA
PVL
CGA
SSA
SSA-488
human Gal-2
LSL
STL
MAL
MAA(Seikagaku)
HUVEC Galectin1
mouse Gal-7
CPA
PHA-E


4
CFG-575-Sp24
Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Fuc(α1-2)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc
4B
5
6
7
0.0
0.5
2
0
GNA
GNL
GSL-I-B4
Tkaloid
Tlectol
#14 Sialyl Lewis X (Calbio)
MGL-1
GSL-II
#15 Sialyl Lewis X (BD)
PhoSPhoSA
CA19-9 Ab (DRG)
PNA
PVA
HAA
Anti-Le^c
#8 Lewis B (T218) (Abcam)
EEA(EY Lab)
Epa1-Np mutant Y288A
Epa1-Np mutant G289A
BP1
Sp Serotype 1
HPA
PHA-E
Mouse NEU Fab
CA19-9-L426
IPS-K-4-C288
TJA-I
RCA
PHA-L
Sp Serotype 2
Epa1-Np mutant E227G
Epa1-Np mutant E227A
PHA-P
PHA-E
AIA
MAA(Seikagaku)
TKA-1
Mono1-CNL
MAA
CA19-9-1B844
CSF(EY Lab)
GSL-I-A4
MGL 6A-H262T
AFCO1
DSA
VLRB.aGPA.23
Mono2R-CNL
MAL II
WGA
HA70 complex
PSA
AsaC
RSL1-488
HMA-Native
hGal-1-488+BCR
LCA
PHA-E
Mono-PNA
Epa1-Np WT
Avaren-Fc
Native Fc
NEA
Mono2W-SCN
MGL 6A
CVN
CNL1
CNL2
HHA(EY Lab)
DMA(EY Lab)
Ban-Fc
SEA
GNA (EY Lab)
HHL
rSBL
WGA(Seikagaku, Biol)
TL(EY Lab)
WFL
CSA(EY Lab)
Cnolin
LBL-1b2
Mouse Galectin-1
CGL
ME7(detected with a-HEAT)
WT-XOCK
BTL native
SSA
CnSerp
AHL
DC-ASGPR stalk
CouA
LSL-Ec
nV-VLP-cv3
Galectin-1
VVA-HUDD
WT Galectin-8
P11
PTA-Gal
CC1G-HUDC
Human Galectin1
RCAI (Vector)
OEA
WGA
AOL (Matrel Lab)
mouse Gal-7
PHA-E
WGA mutant
human Gal-7
Gal-3


4
CFG-576-Sp12
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)
4B
5
6
7
0.5
0.0
2
0
#15 Sialyl Lewis X (EY
PhoSPL-1
Sp Serotype 14 (
Mouse NKR-P1C
Human Galectin-1
WGA multimer


4 CFG-576-Sp25
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)
4B
5
6
7
0.0
0.5
0
2
#15 Sialyl hMAF-F11 (BD)
Lewis X (BD)
GNL
#8 Lewis B (T218 (Ab Lab))
Lewis X (EY Lab)
CSA
AAL
MAA(Seikagaku)
#14 Sialyl Lewis X (Calbiochem)
SNA
ECA
PNA
UDA
DBA
AOL (Mahal Lab)
PTA-Gal
hGal-1-488+PB488
PhoSPL001
APA
Epa1-Np mutant E227A
Thrombin
Mono1-CNL
CA19.9-12-WFE
CA19-9 Ab (DRG)
CA
Bovine IgG
Sp Serotype 1 CPS
HA70 combined-Alexa
CA19.9-9-Alexa
Epa1-Np mutant Y228A
Microvillin
BS
PHA-L
VVHA (ecll)
VGA(EY Lab)
MGL (EY Lab)
VLRB.aGPA-23
CNA
Sp Serotype 14-2
EE
HHE
MAL II
HPA
CAA
Epa1-Np
MAA
PHA-L
HML-Y288W
Epa1-Np mutant Y288W
Epa1-Np mutant E227G
EEA (EY Lab)
CA19.9-TB-44
STL-1
RCA (Vector)
MGL 6A-HRP
IPS-K-4 (EY Lab)
MGL 6B
Mono2-CNL
PNA
PHA-E
CTB
MAL
UEA-I
rNV VP1
MNA-M
TbF-BCT
DBA
Mono2(EY Lab)
GSL-I B4
MGL 6A
Mouse Galectin1
GNA (Polmed)
Tulip (Lab)
GAC78
Native SPA
Human Galectin1
WT 10077
CC-1G 10077
DC-ASGPR short
BTL mouse
SVA
AEA
DSL
UEAI
PNA
human Con A
Mouse NKG2D-Fc
LBL
LBT-152
GSL-I
ME7(detected with a-HUD)
WT Galectin8
ME5(detected with a-HUD)
SBL
PT-PV
mouse Gal-7
GS-II (EY Lab)
TcBL2
PTA-E
WGA(Seikagaku Bio)
WGA(Vector)
LSL
WGA
Gal-3


4
CFG-577-Sp12
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Ma
4B
5
6
7
0.5
0.0
2
0
hGal-1 488-BGB
Gal-1 647-BGB
HMI-Native
Sp Serotype 1 Fa15
CA19.9-APC
HA70 complex-Alexa
CA19.9-647-BRG
#14 Sialyl Lewis X(Calbiq)
MGL-SB
#15 Sialyl Lewis X(BD)
CA19.9-647-BD
Epa1-Np mutant Y268A
Epa1-Np mutant Y268A
#6 Lewis B(1218)(Accam)
Sp Serotype 1 Fa15
abs
Epa1-Np mutant E227Q
Epa1-Np mutant E227Q
hJAX-E11-B11
mJAX-E11-B11
Peanut-Fey
MGL-416
MGL-416
CA19.9-18B44
Mouse NKR-PAC
IPsAvarol-FC
PhoSPL063
GSL-2
GSL-2
GSL-1
SSR1
SSR1
TL(EY Lab)
VLRB.aGP-H12
rNV VLP-488
SSLO-488
CAA
GNL
UEA1
UEA1
SNA
CSA(EY Lab)
LBA
LCA
TJA-I
PNA
MGL-AA
AAL
CGL
SBA
SBA
SJA
SJA
CNBA
CNBA
UDA
UDA
PHA-L
CA19.9-121SLE
Tomato
RCA-I
AOL (Mahal Lab)
TJA-II
TJA-II
PTA-Gal
ATX
UEA-1
GSL-I-B4
PA-IL
MAL(EY Lab)
VGA(EY Lab)
UEA-II
UEA-II
SBA
SBA
MBA
MBA
MAA(Seikagaku)
EEA(EY Lab)
MPL
MPL
WT Galectin-1
PHA-L
PHA-L
MAL-I
MAL-I
PHA-E
PHA-E
PWCH
PWCH
HHA(EY Lab)
NPA
NPA
MNA-M
MNA-M
SSA
SSA
AIL
AIL
GNA (EY Lab)
MAH
Mono1-CSL
Mono1-CSL
WGA(Seikagaku Bio)
NPL(EY Lab)
GS-NPL(EY Lab)
BPL
BPL
ME7(detected with a-HRP)
BTL native
BTL native
Mono2R-VGA
Mouse Galectin-1
Epa1-Np-FLY
Mono2W-CSL
DC-ASGPR.sfcd
GalA-E
GalA-E
Gal-2
Gal-2
ME5(detected with a-HRP)
DSA
DSA
ABA
ABA
Galectin-8
Galectin-1
human Alp1
PPV
WT Galectin-8
Gal-3
Gal-3
CTA
CTA
LBL-152
LBL-152
mouse Alp1
WVHA lectin
Human Galectin-1
Cn3899
CC1G-IWF
VVA
VVA
LSL
LSL
RCA(Vector)
RCA(Vector)
WGA multimer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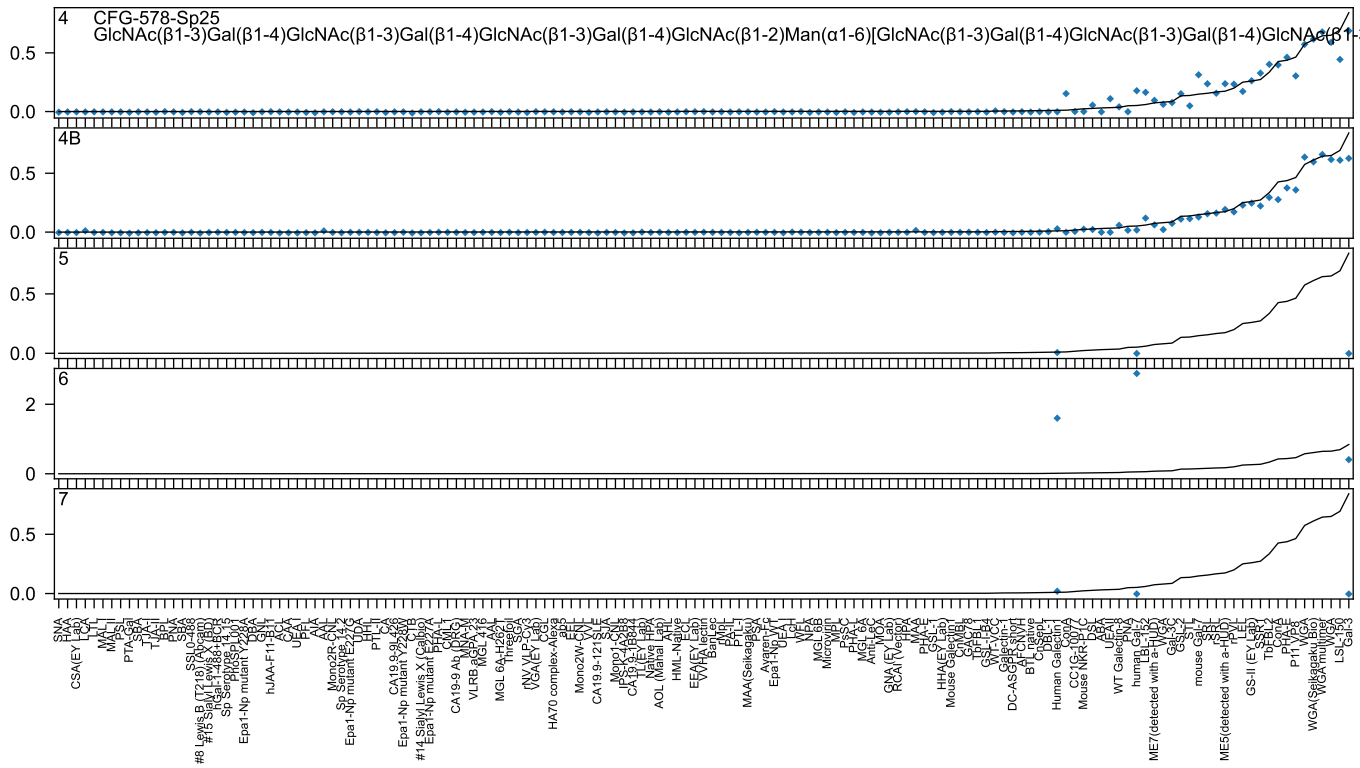
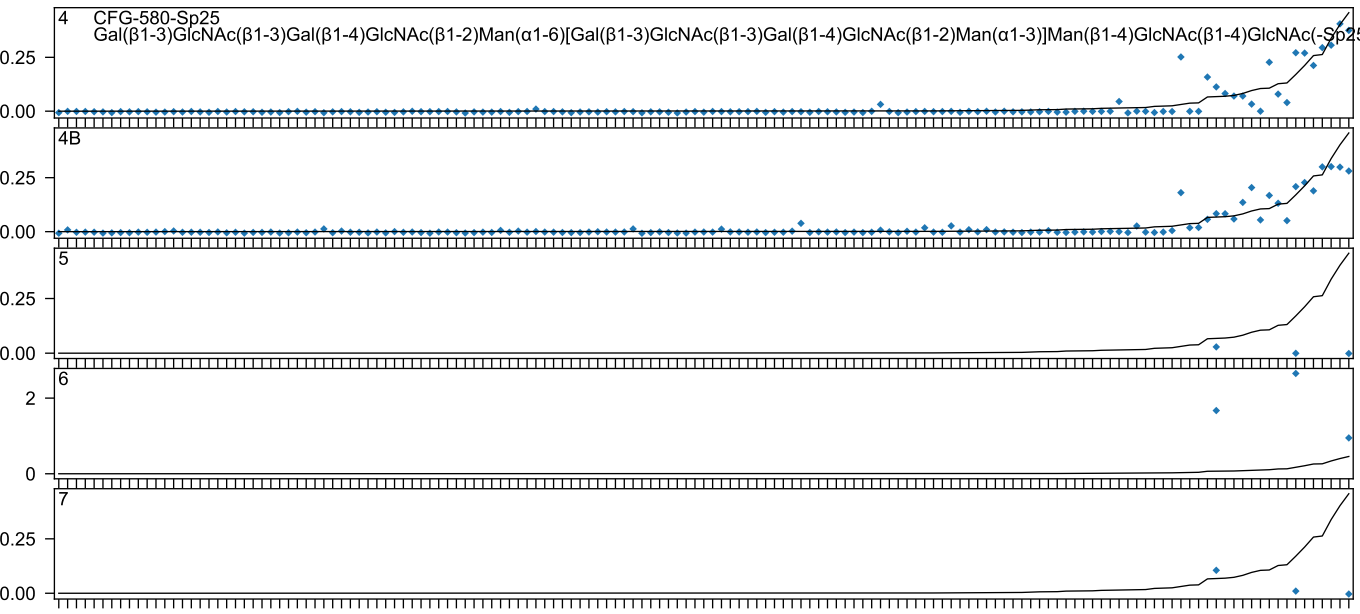
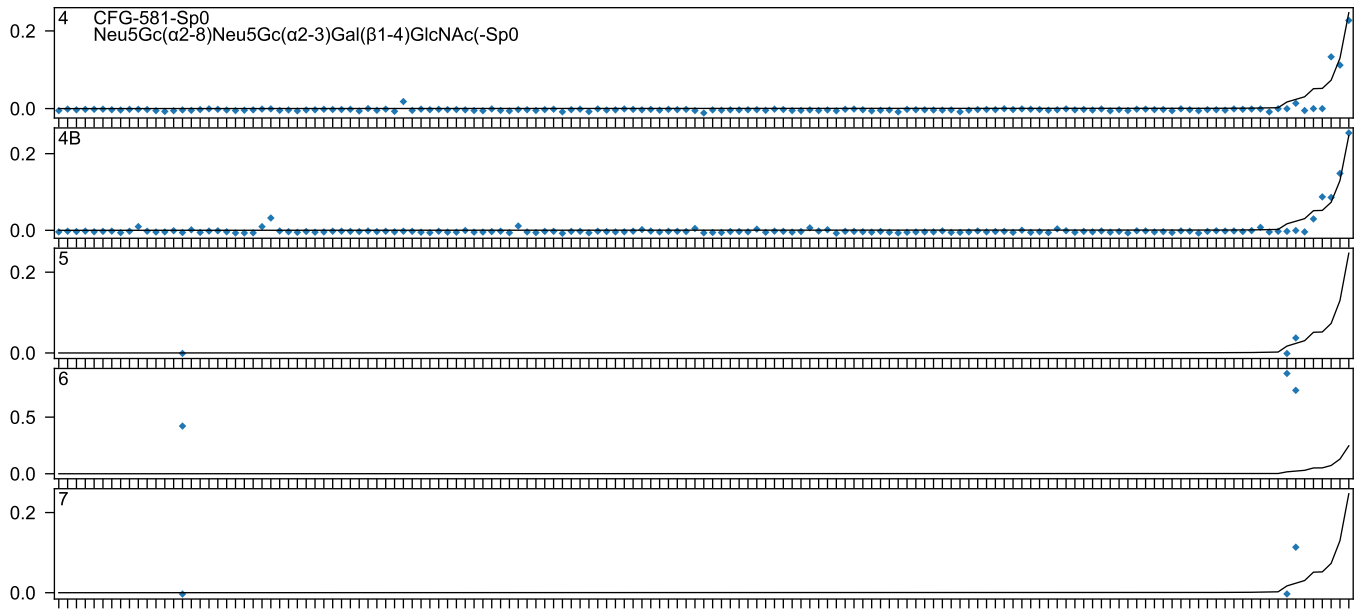
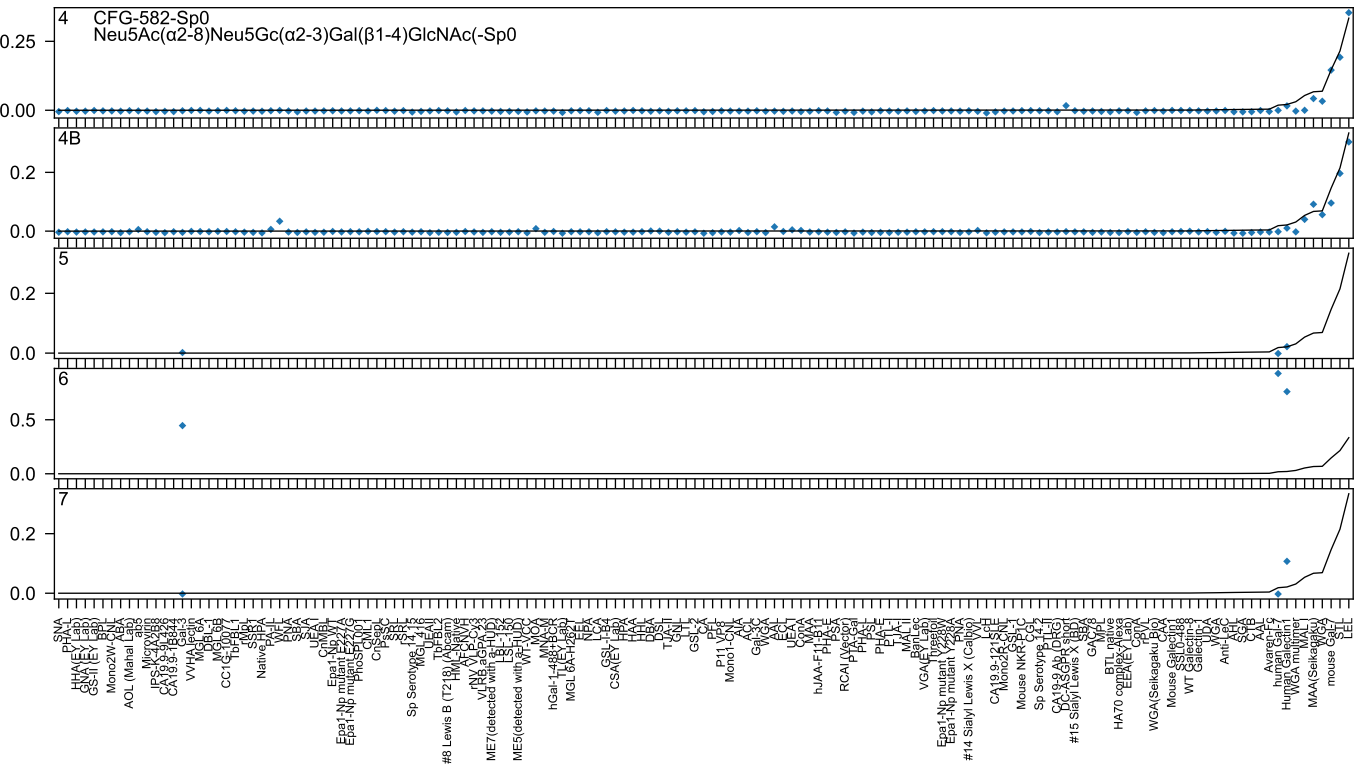
CFG-577-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Ma
4B
5
6
7
0.0
0.5
2
hJAA-F11-B11
GSL
GNL
#8 Lewis B (T218) (Abcam)
GSL-I-B4
#14 Sialyl Lewis X (Calbio)
SNA-I-488
EEA(EY Lab)
VGA(EY Lab)
PNA
PSL
PTA
AAL
GAL
AIA
Phos
CA19-9(R&D)
PHA-L
Amf
HPA
UEA-1
ACA
CA19-9(Abcam)
MAL-I-488
CA19-9-121
SLE
PGA
VVL
AOL (Mathal-2)
Epa1-Np mutant E227A
AFCW
RCA
abo
GAL-8
Sp Serotype 19F
Mono2P
CNE
IPS-K-488
LTA
UDA
HEA
Avarol
CA19.9-1B44
PHA-L
SBA
VLRB a
MGL 418
SGA
MAA
Mono2P(W)
Epa1-Np mutant Y228A
Epa1-Np mutant K228A
Mono2P-DEA
SSR1
PE
PsSc
HML-1-488
Mono1-488
MGL 6A-H
PSA
Native ABA
Epa1-Np mutant E227A
MGA
#15 Sialyl Lewis X (BD)
MNA-M
MNA-N
HHA(EY Lab)
MP
hGal1-488-HCA
WGA(Seikagaku)
Bou
CTB
MGL-88
MAL II
SBA
GNA (EY Lab)
Tomato
HA70 complex Alexa
Thrombo
Sp Serotype 19F
DBA
CSA(EY Lab)
PA-IL
WT-WGA
SNA
MAA(Seikagaku)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
BTL native
DC-ASGPR
CVN
Mouse Galectin-1
CGL
CrvA
Galectin-7
Epa1-Np DKY
BPL
VVHA
Galectin-3C
WT Galectin-3
human Gal-7
SJL
CC1G-10077
CnsEL
Human Galectin-1
mouse Gal-1
CapA
WGA
LBL
PHA-E
P11
VVL
RCA (Vector)
LSL
Gal-3
WGA multimer

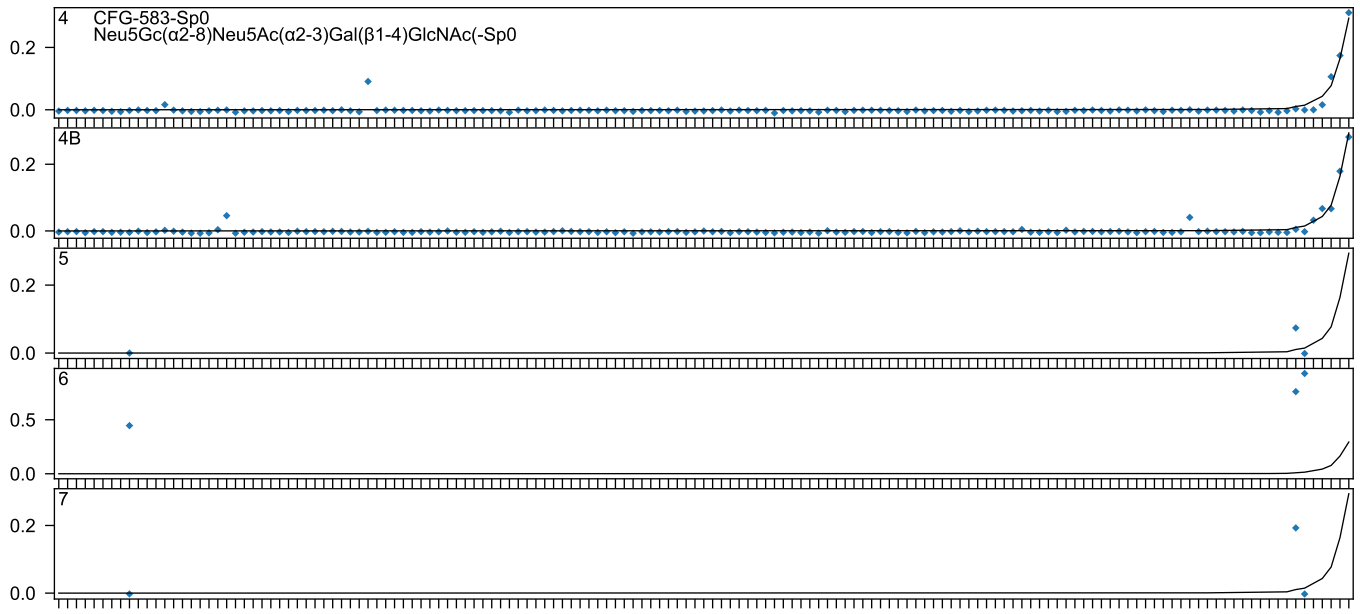

4
CFG-578-Sp25
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-
4B
5
6
7
0.0
0.5
2

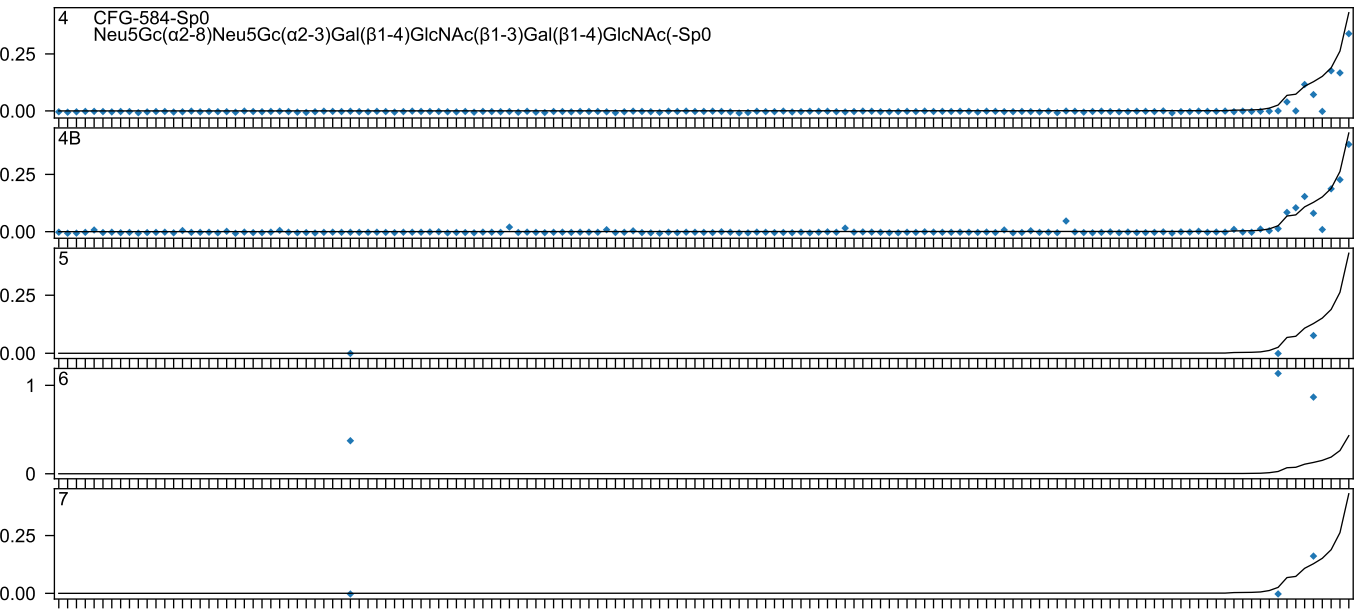
4
CFG-579-Sp25
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Ga
4B
5
6
7
0.0
0.5
0
2
SNA
MAL
PTA-Gal
PTL
PTL
UEA
PTL
MAA
MAA
MAL
SBA
VGA(EY Lab)
SSA-I
L-188
#8 Lewis B (T218) (Abcam)
PhoSPL (EY)
CA19.9-15
BNA
ab5
DBA
hJAA-F11-B11
AAL
AAL
CAA
CAA
CWT
HML-Native
Epa1-Np mutant E227A
Epa1-Np mutant E227G
GSL-I
CTA
CA19-9 Ab (DAKO)
HAA
PNA
Mono2W-CNL
Avaren-Fc
GNA
GSL-I-B4
PTL
PTL
CAA
TKA
PSL
CA19.9-9-41-2
CA19.9-9-41-2
EEA(EY Lab)
Epa1-Np mutant E227G
ACG(VA)
TL(EY Lab)
ABL
VLRB.aGPC.3
VLRB.aGPC.3
#14 Sialyl Lewis X (Calbiochem)
SO Sialyl Lewis X (Mahal Lab)
Epa1-Np mutant V228W
CA19.9-1-21-5-LE
CA19.9-1-21-5-LE
VVL
VVL
#15 Sialyl Lewis X (BD)
Mouse NK cells
BHA
BHA-C
Mono1-CNL
BalAec
MNA
MNA-A
DBA
Microvoxon
MGL-6-4A-2B8
IPS-K-4A-2B8
AAA
AAA
Threelectin
hGal-1-4B8
hGal-1-4B8-BCB
MGL-BB
Mono2R-CNL
SEA
SEA
Sp Serotype 14-32
HA70 complex-Alexa
SSA
SSA
DSA
DSA
TBP-L-1
TBP-L-1
GNA (EY Lab)
Tomato
MPL
MPL
HHA(EY Lab)
GS-I(EY Lab)
CSA(EY Lab)
WGA(Seikagaku Biol)
SSA
SSA
MGA
ME7(detected with a-HUD)
MAA(Seikagaku Biol)
nNV VLP-Cy3
nNV VLP-Cy3
MPL
MPL-CC
MCA
MCA
WGA
WGA
conA
conA
BTL natural
ME5(detected with a-HUD)
DC-ASGPR
SGL
Mouse Galectin-1
Galectin-1
Galectin-1
Fc-Jacob-1
wt-Galectin-1
DSL
VVHA
Galectin-3C
Galectin-3
Galectin-3
human Galectin-7
EPC
EPC
Bp
Bp
Cn3894
GC1
Human Galectin-7
Con A
mouse Galectin-7
PHA-E
PHA-E
LBL-1B2
LBL-1B2
P11
VBS
WGA
WGA
WGA multimer
RCA(Vector)
Gal-3

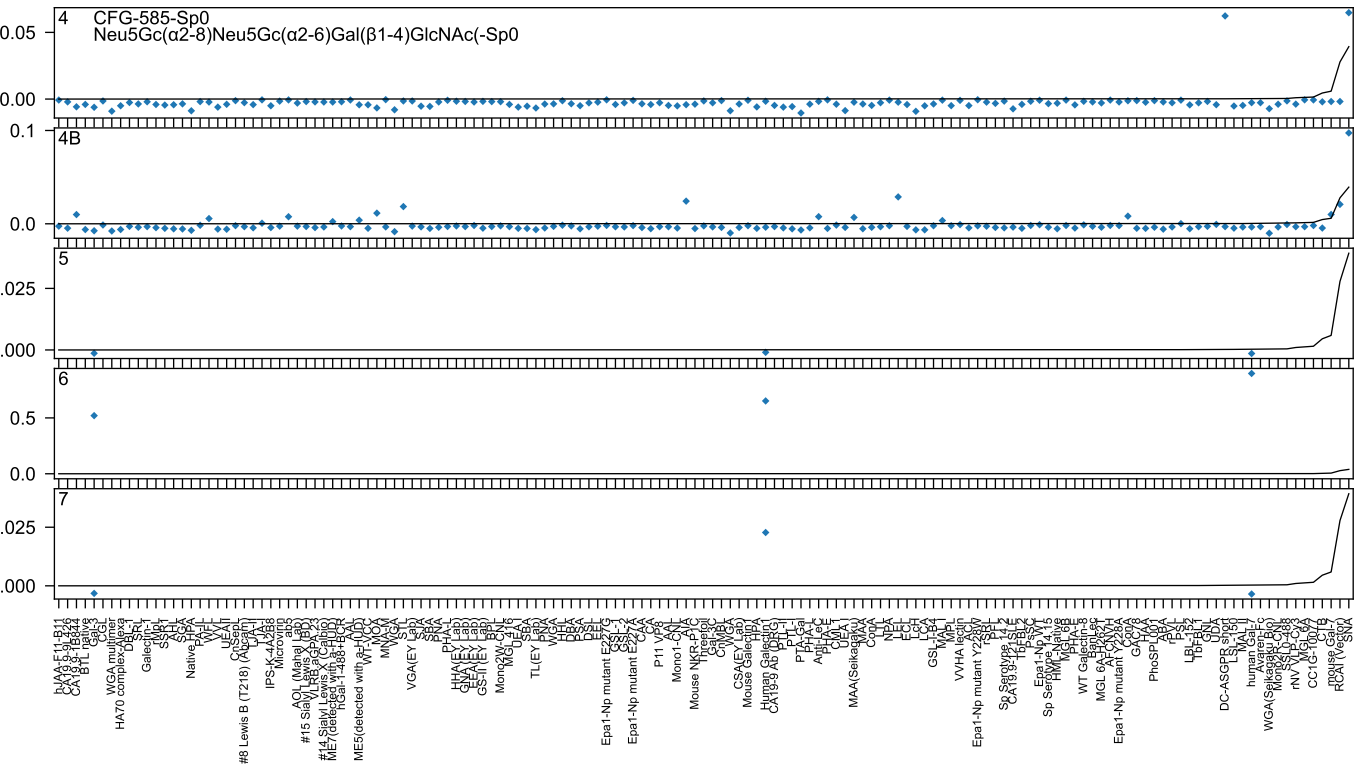

4
CFG-580-Sp25
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp25
4B
5
6
7
0.25
0.00
2
0

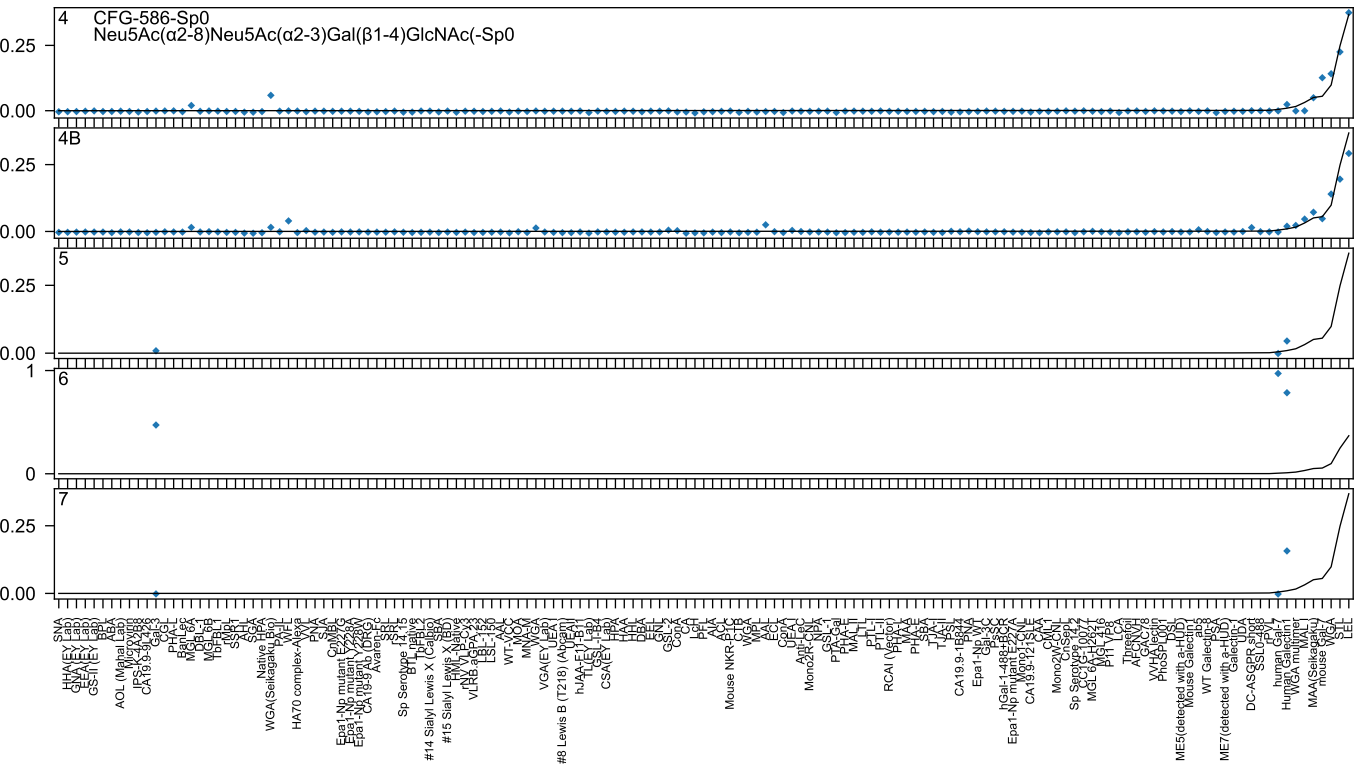

4
CFG-581-Sp0
Neu5Gc(α2-8)Neu5Gc(α2-3)Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.0
0.2
0.5
SNA
PNA
HHA(EY Lab)
PHA-L(EY Lab)
GSL-I(EY Lab)
BPL
Mono2W-CNL
ABA
AOL (Mahal Lab)
Lab
Microvigin
IPC
CA19-9-12-Sp0
CA19-9-18844
Bandeiraea Lec
HA70 complex-Alexa
MGL-6B
MAL
Native DPA
WGA(Seikagaku)
PAL
WFL
PNA
SBA
STA
UEA-I
Con-A
Epa1-Np mutant Cy2026
Epa1-Np mutant S2289Y
CA19-9 Ab (DRG)
AcheSec
Aleuria
SRL
Sp Serotype 14-15
DC-ASGPR-1-15
MGL-416
Tomato
UEAII
#14 Sialyl Lewis X (Calbio)
#40 Lewis B (Calbio)
VVHA-aGalNAc
ME7(detected with gal-HUD)
LSL-186
ME5(detected with gal-HUD)
WT-XCC
MAA-M
VGA
VGA(EY Lab)
#15 Sialyl Lewis X (BD)
MGL 6A-2289
EEL
GSL-I-B4
CSA(EY Lab)
HAA
DBA
DSL
TJA-II
GSL-I
Con-A
CGA
PFL
P11
Mono2R-CNL
Mono1-CNL
ACA
Thoeelgii
GeoBP
CTB
MAL
AAL
ECL
UEA
hJAA-F11
NPA
PHA-L
PSL
RCAI (Vector)
PNA
PTA
PHA-E
PAL
MAL II
PHA-L
SBA
PSA
PSA
hGal-1-488+
WGA
Mouse NKR-P1C
GNA
Anti Lac
ACA
Sp Serotype 14-2
CA19-9-IgG
CML1
VVHA-aGalNAc
TJA-I
TcBL
PSSC
HML
Epa1-Np
Epa1-Np mutant Y2289A
WGA
Epa1-Np
CGL
PHA-E
rNV VP1 native
BTL native
Epa1-Np mutant Y2289A
CCTG-10077
DSA
BYL
DBA
UDA
SSL Orthologs
Galectin-8
Galectin-3
WT Galectin-8
ConA
Mouse Galectin1
Human Galectin1
WGA mutant
MAA(Seikagaku)
mouse Galectin1
LEL

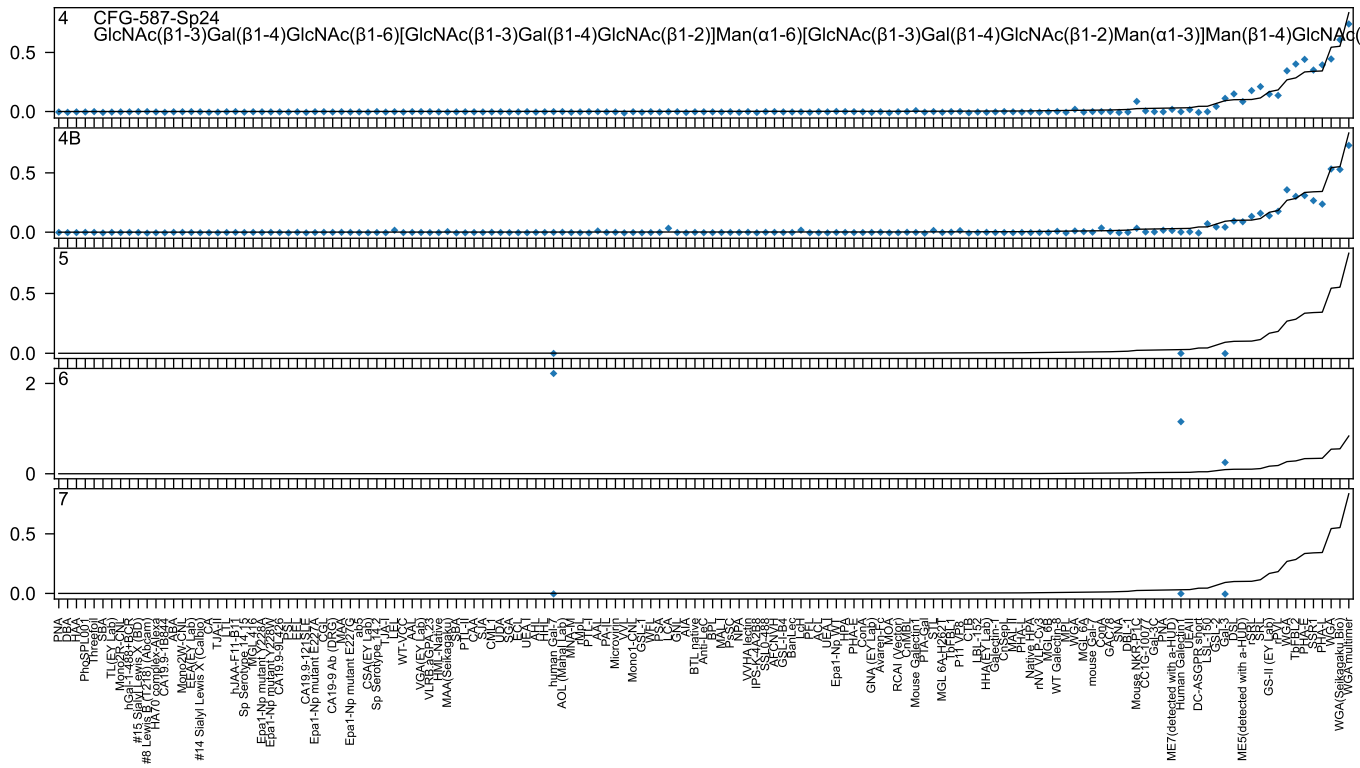

4
CFG-582-Sp0
Neu5Ac(α2-8)Neu5Gc(α2-3)Gal(β1-4)GlcNAc(-Sp0
0.25
0.00
4B
0.2
0.0
5
0.2
0.0
6
0.5
0.0
7
0.2
0.0
SNA
PNA
LTA(EY Lab)
GSII (EY Lab)
BPL
Mono2W
ABA
AOL (Mahal Lab)
Microvigin
CA19.9-H238
CA19.9-B844
Lewis a
VVHA-peptin
MGL6A
MGL6B
MGL6C
CC1C
TcBP67
SMA
Native_SHA
PAU
PNA
SBA
SSA
UEA1
Epa1-Np
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
ProSPC101
GNL1
Cyanovirin
PseAc
SBL
Sp Serotype 14-12
MGL2
UEAII
Tcl-FBL2
#8 Lewis B (T218)
HMA-native
VVA
VT B-UD-23
VT B-UD-2
ME7(detected with B-UD)
LSL-150
ME5(detected with B-UD)
WT-VVQQ
MOA
MNA
hGal-1-488+BCR
hGal-1-488+BCR
MGL6A-488
MGL6A-488
EEL
LCA
GSL1-B4
CSA(EY Lab)
HPA
HHA
DBA
DSA
TJA-I
GNL
GSL-2
PCA
P11
VFB
Mono1
CAA
ACL
Gerbera
WGA
EAL
UEA1
CVN
hJAA-F11-B11
PHA-E
PSA
RCA I(Vector)
PHA-L
PHA-P
PHA-E
PHL
EPL
MAL1
Bauhinia
VGA(Seikagaku Biol)
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
PNA
#14 Sialyl Lewis X (Calbiochem)
CA19.9-127-FEE
Mono2R-SNE
Mouse NKR-P1
CGL
Sp Serotype 14-12
CA19.9-Ab (DRG)
CA19.9-Ab (Vector)
#15 Sialyl Lewis X (IBD)
SBA
GNA
MPL
BTL native
HA70 complex
EEA(EY Lab)
CPA
WGA(Seikagaku Biol)
Mouse Galectin-1
SSL0488
WT Galectin-3
Galectin-1
VICA
SGA
Anti-LAC
CTB
Avarcn-Fc
human Gal-1
WGA multimer
MAA(Seikagaku)
WGA
mouse Gal-1
LEL

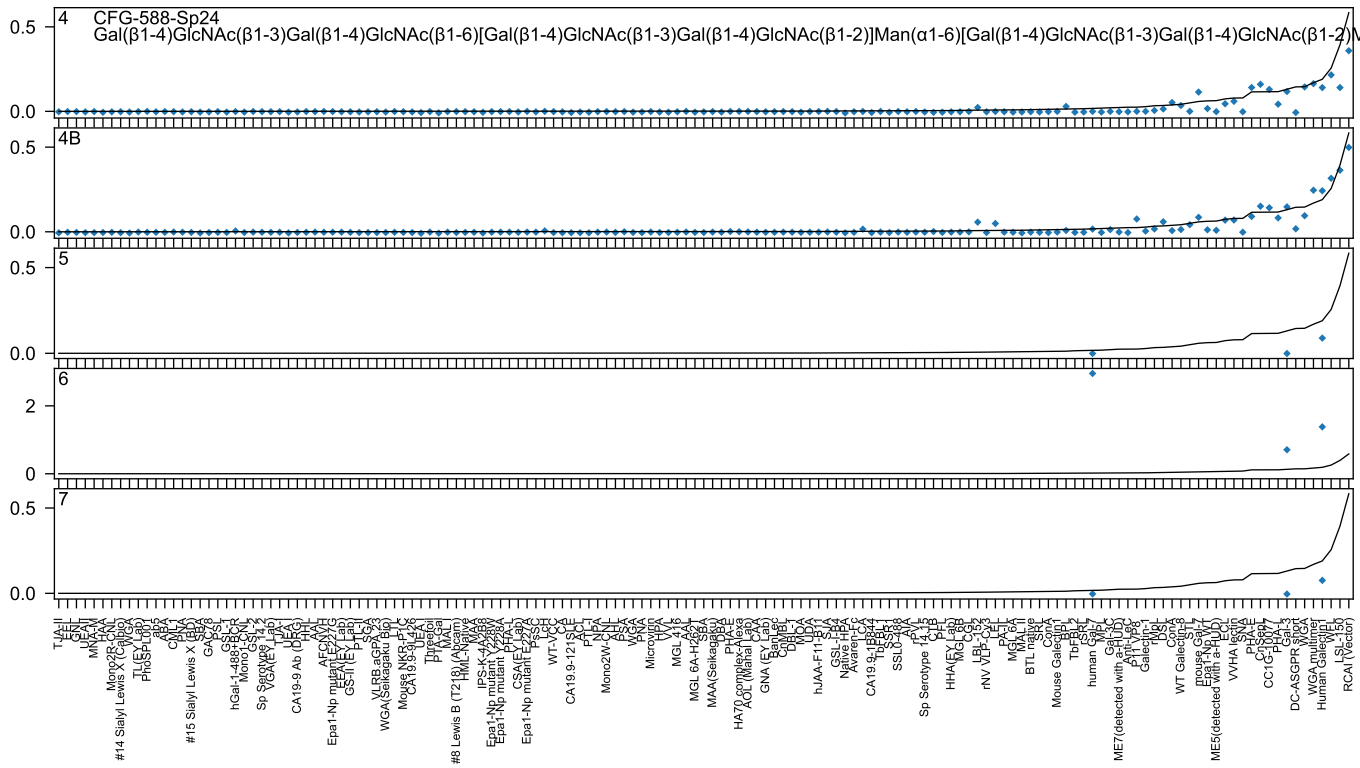

4
CFG-583-Sp0
Neu5Gc(α2-8)Neu5Ac(α2-3)Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.0
0.2
0.5
SNA
SNA
Mono2W-CNL
Mono2W-CNL
AOL (Mahal Lab)
AOL (Mahal Lab)
IPS
Microvigid
CA19.9-12/SCE
Galectin-3
HA70 complex-Alexa
GNA
BGL-1
MGL-6B
ABL
MGL-6B
Native-SSA
SSA
PAL-I
TL(EY Lab)
TL(EY Lab)
LCA
LCA
DBL-1
HHA(EY Lab)
SBA
SBA
Epa1-Np mutant E227A
Epa1-Np mutant E227W
PhoS-CNL
CNL1
CnSepl
Sp Serotype 14-15
DC-ASGPR-Fc chimera
TcFBL2
#15 Sialyl Lewis X (BD)
#8 Lewis Y (BD)
VCRB aGPA 23
ME7(detected with a-HUD)
LSL-1
AAL
MAL
MNA-M
VGA(EY Lab)
UEA-I
SSA
SSA
PSA
hAA-F11
RCA(Vector)
HPA
HPA
LEL
DSA
EEL
PNA
GSL-I-A4
CSA(EY Lab)
P11
Mono2R-CNL
Mono1-CNL
Threotoxin
MPL
UEA-I
Anti-Fac
GSL-I-B4
GSL-I
PHA-E
PHA-E
MAL
MAL
PHA-L
PTA-Gal
NPA
HML-Native
Sp-SC
Sp Serotype 14-2
Epa1-Np mutant E227G
WT-SSCC
CGL
CA19.9-9/SCE
Epa1-Np mutant E227A
CA19.9 - F9B4
CA19-9 Ab (DKFZ)
805
MGL 6A-H2821
EEA(EY Lab)
Bam-lec
CnMBL
LBL-Galectin2
#14 Sialyl Lewis X (BD)
BTL native
Mouse NKR-P1C
hGal-1-488-BCB
rNV VCP-Cy3
MGL-419
GC-I (EY Lab)
GS-II (EY Lab)
Mouse Galectin-1
UDA
WGA(Seikagaku Bio)
Galectin-7
MES(detected with a-HUD)
WT Galectin-8
PVL
PNL
Avenin-188
SSL-I-188
UEA-I
WGA multimer
CorA
Human Galectin1
human NAL
MAL
MAA(Seikagaku)
mouse NAL
LEL

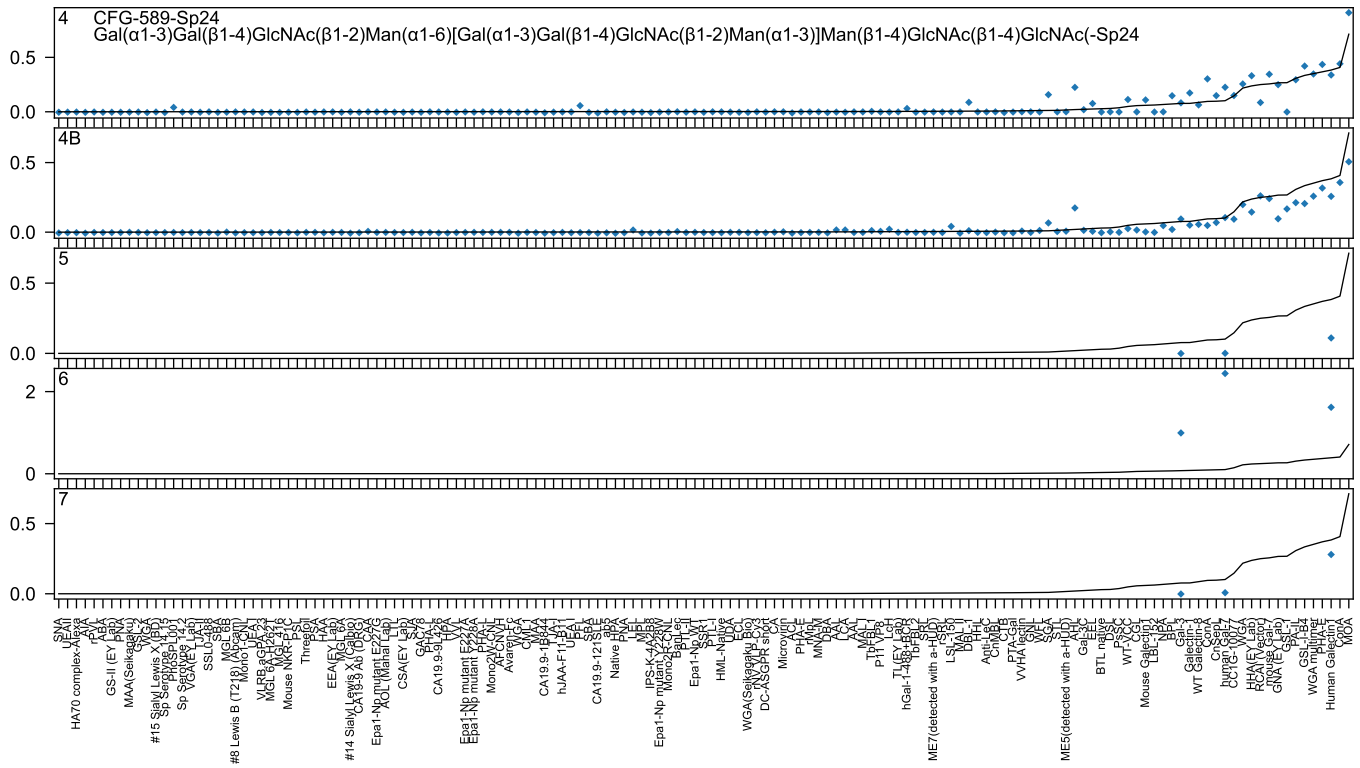

4
CFG-584-Sp0
Neu5Gc(α2-8)Neu5Gc(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.25
0.00
1
0
SNA
SSA
Naive HPA
vGA(EY Lab)
PNA
WGA
UEA I
TL(EY Lab)
LCA
WGA
WT-LOCG
ME5(detected with a-HD)
AAL
LBL-15
PTL-I
ME7(detected with a-HD)
AFGNY
SNA
SEA
AOL (Mahal Lab)
Microvigin
Ipo37-4A2E8
CA19-9 426
GSL(EY Lab)
GNA (EY Lab)
HHA(EY Lab)
BanLec
PNA
SNA
SSA
MGL 6A
MGL 6B
NPA
PSA
MAL II
P-11 VP8
Mono01-CNL
Sp Serotype 1 SBL
CA19-9 Ab (Cell)
Epa1-Np mutant Y229A
Epa1-Np mutant Y229F
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
ECL
UEA I
Epa1-Np
PNA
CAA
GSL-2
#8 Lewis B (T218) (Abcam)
PNA
MAA
#14 Sialyl Lewis X (Calbio)
TJA-II
NPA
MGL 4-9
MGL 6A
LCA
GSL I
CSA(EY Lab)
HPA
BTL native
Sp Serotype 14 SBL
EEL
GSL-I
Mono2-CNL
CONA
UCCP-10074
MGL 6A Hybrid
PNA
VL-RBL-a-Fuc
#15 Sialyl Lewis X (Bio)
SRL
VVHA lectin
PSA
Mouse NK-1 PTC
PHA-L
THL
CA19.9 Ab (Bio)
PSSC
RCAI (Vector)
CnBA
WGA
hJAA-FITC
AVR-FITC
PSA
VGL
HML-Naive
ACL
AGE-PK
hGal-1-488+BCR
CNL1
WGA(Seikagaku) (Bio)
HAA(Seikagaku) (Bio)
RNV VP-C-Cy3
PHA-E
PHA-L
UDA
ACA
WT-Galectin-8
DC-ASGPR-Fc chimer
Mouse Galectin1
SSL-488
Galectin-1
DSL
human Gal-7
WGA
MAA(Seikagaku)
HAA(Seikagaku)
WGA multimer
mouse Gal7
LEL

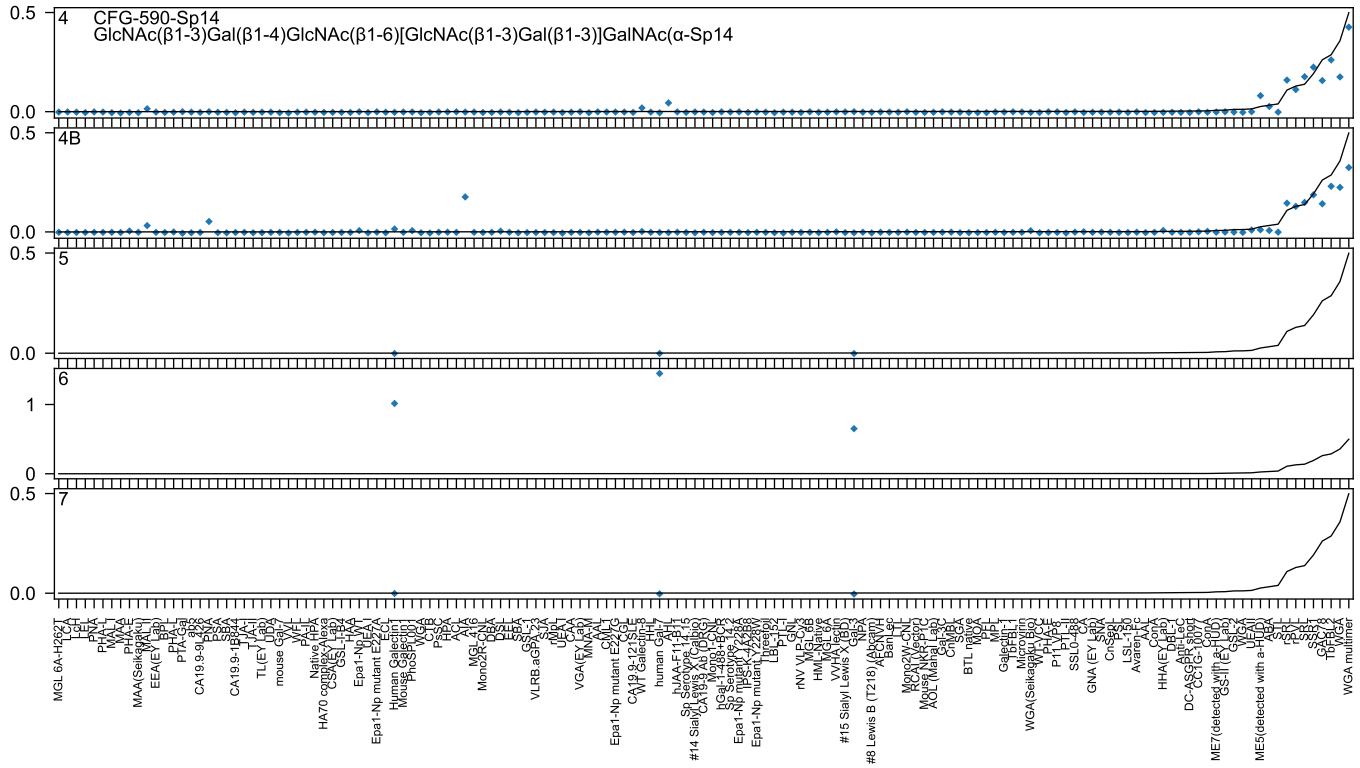

4
CFG-585-Sp0
Neu5Gc(α2-8)Neu5Gc(α2-6)Gal(β1-4)GlcNAc(-Sp0
0.05
0.00
4B
0.1
0.0
5
.025
.000
6
0.5
0.0
7
.025
.000
hMA5-F11-B11
CA19.9-1-B26
CA19.9-1B44
B1L gal/k3
CGL
WGA multivalent complex-Alexa
HA70 complex-Alexa
DSL
Galectin-1
SSIRT
ASL
Native-HPA
PAL
FAL
VVT
UEA
Chicken
#8 Lewis B (T218) (Abcam)
LPA
IPS-K-4A288
Microtubule
aD5
#15 SiaQ1 (Matriq Lab)
#8 Lewis B (T218) (Abcam)
#14 SiaQ1 (Matriq Lab)
MEF (detected with a-HUD)
hGal-1-488-BCR
ME5(detected with a-HUD)
WT-NCX
MMAC
VGA
SGA
VGA(EY Lab)
SBA
PNA
PHA-L
HHA(EY Lab)
GNA(EY Lab)
GSA(EY Lab)
GSII(EY Lab)
Mono2W-BNI
MGL-416
UEA
SBA
TL(EY Lab)
PAN
WGA
DBA
PSA
PSA
EEL
EEL
Epa1-Np mutant E227G
SSL-2
Epa1-Np mutant E227A
VGA
P11
VGA
Mono1-CNL
Mouse NKR-P1C
Treebgl
CNWBC
CSA(EY Lab)
Mouse Galectin
Human Galectin
CA19.9 Ab (BRG)
PTL-I
PTA-Gal
Arp-LeC
TJA-I
CNL-LeC
UEA
MAA(Seikagaku Biol)
MAA
CoA
NPA
EEL
LCH
GSL-I-B4
MAL
VVHA lectin
Epa1-Np mutant Y228W
RSL
Sp Serotype 14-2
CA19.9-1-B15
Epa1-Np V115
Sp Serotype
HMA-native
MPA-B
WT Galectin-8
MGL 6A-B2B2
Epa1-Np mutant C229A
GNA
HYA
PhoSP-L001
ABA
PSL
LBL-1
TdFBP-1
GDL
DC-ASGPR sign
LYA
human Gal7
WGA(Seikagaku Biol)
MoRCA-C88
rNV VP-C93
CC1.G-P004
CTB
RCA(Vector Lab)
SNA

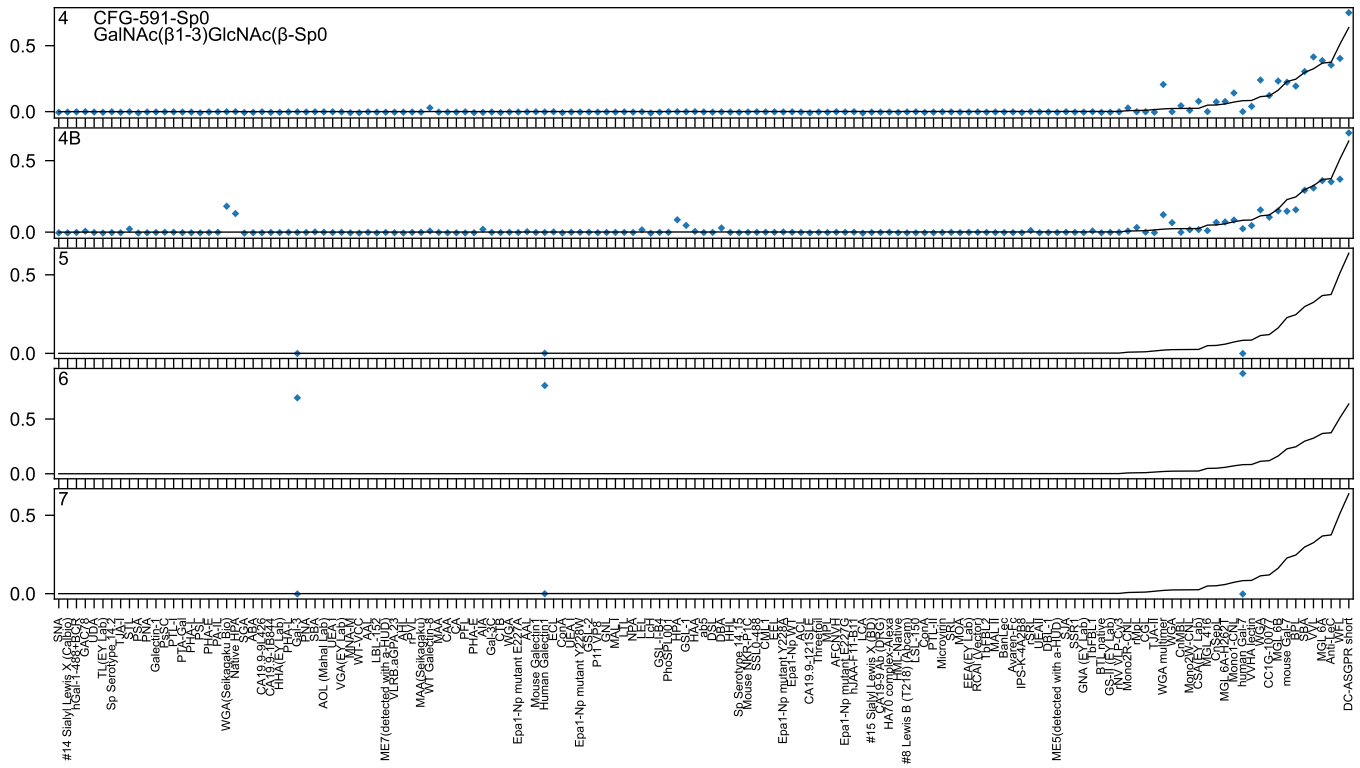

4
CFG-586-Sp0
Neu5Ac(α2-8)Neu5Ac(α2-3)Gal(β1-4)GlcNAc(-Sp0
4B
5
6
7
0.25
0.00
1
0
SNA
HHA(EY Lab)
GNA(EY Lab)
ACG(EY Lab)
GSL-I(EY Lab)
BPL
AOL (Mahal Lab)
JFS (Kizuyama)
CA19.9-9L428
GalS
PHA-L
ECA
MAL
GBP-a
MOR-RLT
SSA
SSBP
ACL
ACG
Native PPA
WGA(Seikagaku Biq)
TKA
WFL
HA70 complex-Alexa
PNA
PNA
CONA
DBA
Epa1-Np mutant E227G
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
CA19-9 Ab (ORG)
Asialo-SSL
SSL
Sp Serotype 1a 15
BTL native
BTL native
#14 Sialyl Lewis X (Calbiochem)
#15 Sialyl Lewis X (Calbiochem)
BPA
HMA Native
VLRB vaPC-33
VLRB vaPC-33
LSL-152
LSL-152
WT-AOCC
MNA-M
MNA-M
VGA
VGA(EY Lab)
UEA
UEA1
#8 Lewis B (T218) (Abcam)
hJAA-E11-B11
hJAA-E11-B11
TJA
GSL-I-B4
CSA(EY Lab)
HAA
HAA
DBA
EEL
EEL
GSL-I
CopA
HGA
ACL
ACG
Mouse NKR-C1
CTB
WGA
AAL
ECL
UEA1
ANA
Mono2W-C6
NPA
GSL-I
PNA-Gal
PNA-T
MAL
HLL
PTL-I
PTL-II
RCAI (Vector)
PNA
WAA
PHA-E
PHA-L
TJA-I
TJA-II
CA19.9-1B24
Epa1-Np WT
Gal-3C
hGal-1-488-BCR
Epa1-Np mutant E227A
CA19.9-1213LE
Mono2W-CN
Mono2W-CNL
Sp Serotype 2
CCG-10077
MGL-416
MGL-416
PH1 VCA
Thrombo
APC-CV
VVH-Lectin
PhoSPL DSI
ME5(detected with a-HUD)
Mouse Galectin-1
abS
WT Galectin-3
ME7(detected with a-HUD)
Galectin-1
DC-ASGPR sugar
SSL-DSI
FPV
human Gal-1
WGA mutmer
MAA(Seikagaku)
mouse Gal-7
SNA
LEL

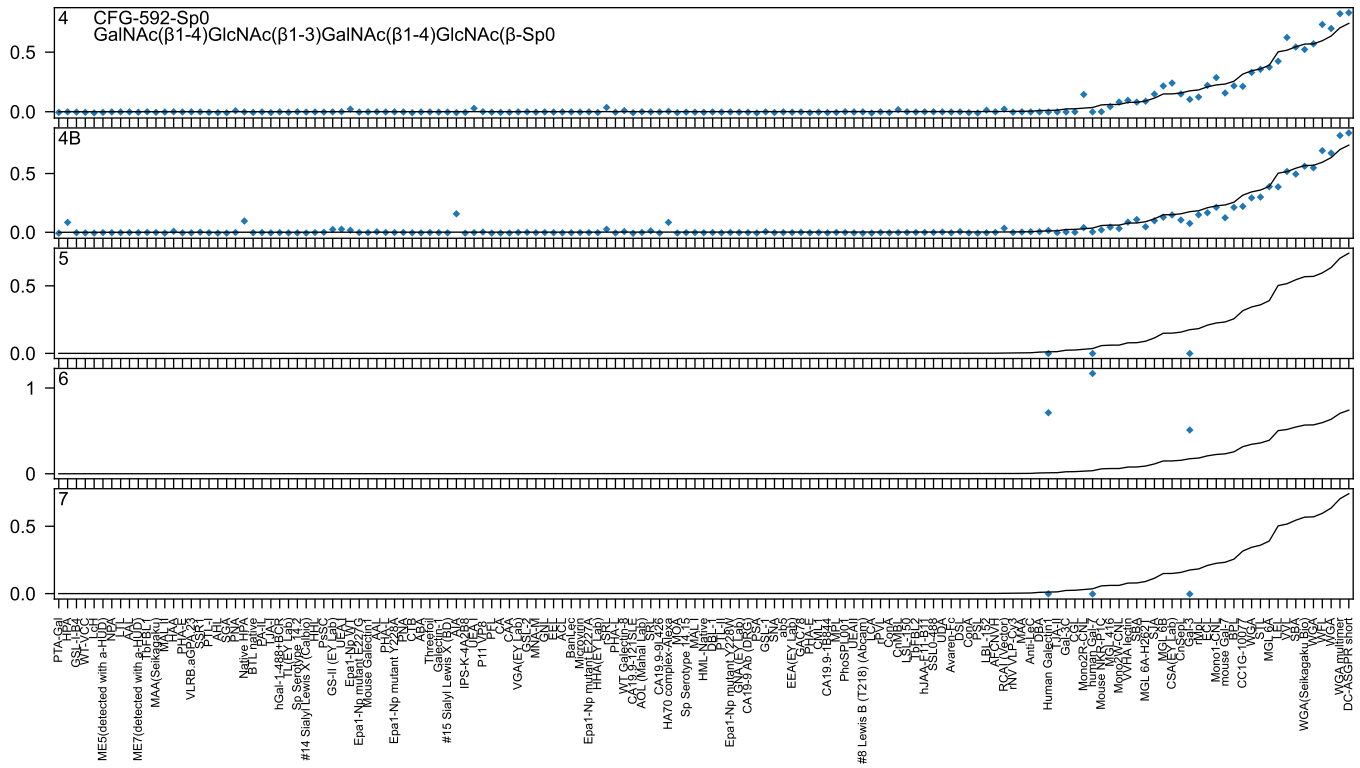

4
CFG-587-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(
4B
5
6
7
0.0
0.5
0
2

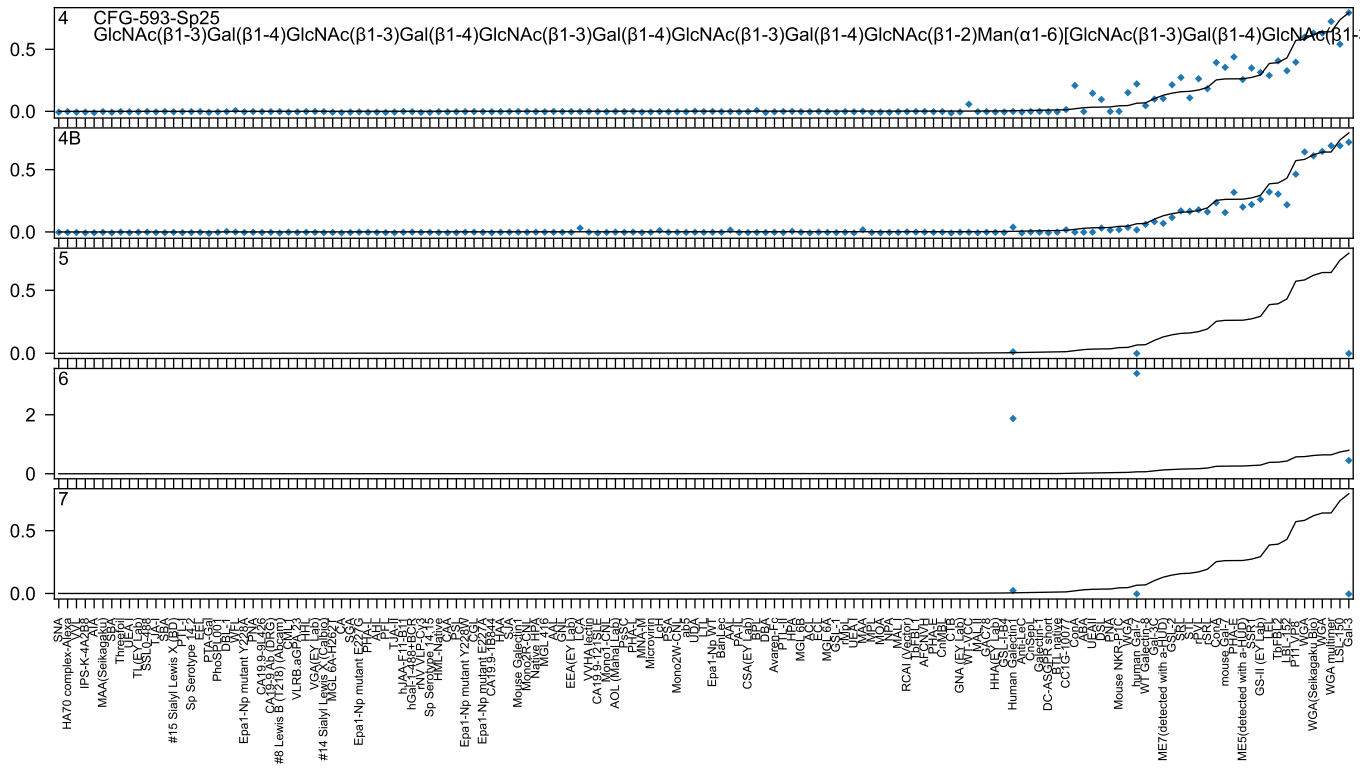

4
CFG-588-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)M
4B
5
6
7
0.5
0.0
2
0
TJ-HEL
CFG
UEA
MAA
MOR-CN
#14 Sialyl Lewis X(Calbio)
Mono2R-CNL
HPA
TL(EY Lab)
VVA
PhoSL(Calbio)
ABA
CAA
DSL1
SNA
#15 Sialyl Lewis X (BD)
GNA
SBA
PSL
hGal-1-489+BCR
Mono1-CNL
Sp Serotype 14 2
VGA(EY Lab)
UEA
CA19-9 Ab (DRG)
AAL
AFD
Epa1-Np mutant F227G
EEA(EY Lab)
GS-II (EY Lab)
PHA-E
SJA
VLRB.aGP.Sj
WGA(Seikagaku Bio)
Mouse NKR-P1C
CA19.9-1-426
Tomato
Tunicamycin
KM.Gal
#8 Lewis B (T218) (Abcam)
HML-Neuraminidase
IPS-K-4A288
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
CSA(FE227A)
Epa1-Np mutant FE227A
PsSS
WT-VCC
CA19.9-121SCE
ACL
PNA
Mono2W-CNL
PSA
VGA
Microvirin
CVN
MGL 416
MGL 6A-H261
SBA
MAA(Seikagaku)
PDBA
PHA-L
HA70 complex
AOL (Mahal Lab)
GNA (EY Lab)
Banlec
DBL-1
MOA
hJAA-F11-B11
GSL-I B4
Native HPA
Avarrhoa
CA19.9-1-B44
TKA
SSA
SSL0-A08
PVL
Sp Serotype 14 LB
PFL
HHA(EY Lab)
MGL-8B
LBL-C95
rNV VDP-Cy3
PAL
PAT
MGL-6A
BTL native
SNA
Mouse Galectin1
TbP-B1-2
human Galectin-7
VAP
ME7(detected with anti-Lac)
Galectin-1
Anti-Lac
Galectin-7
RIP
CorA
WT Galectin-8
mouse Gal-7
ME5(detected Endo1 Sialidase)
ECL
VVHA
SNA
PHA-E
CC1G-10007
PHA-L
DC-ASGPR.short
WGA
WGA multimer
Human Galectin1
LSL-150
RCAI (Vector)

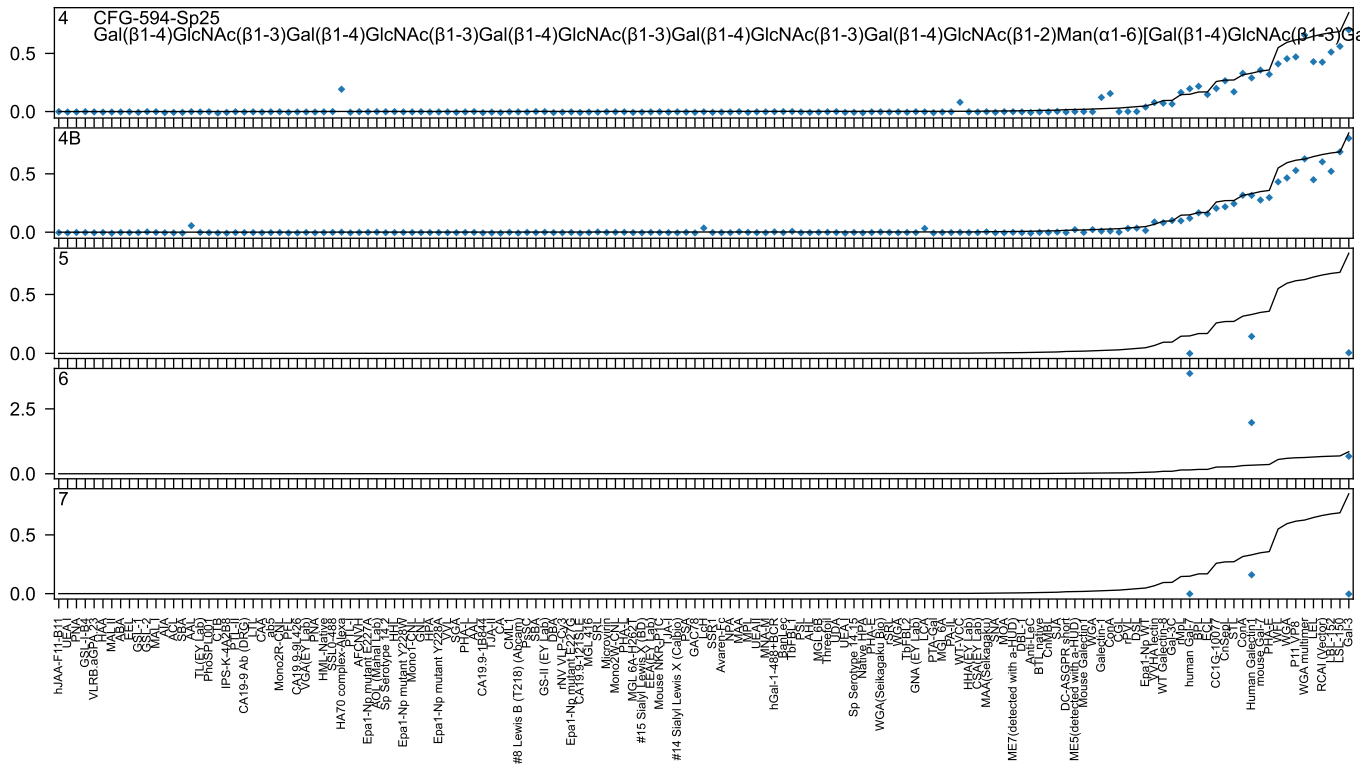

4
CFG-589-Sp24
Gal(α1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(α1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)GlcNAc(-Sp24
4B
5
6
7
0.0
0.5
0
2

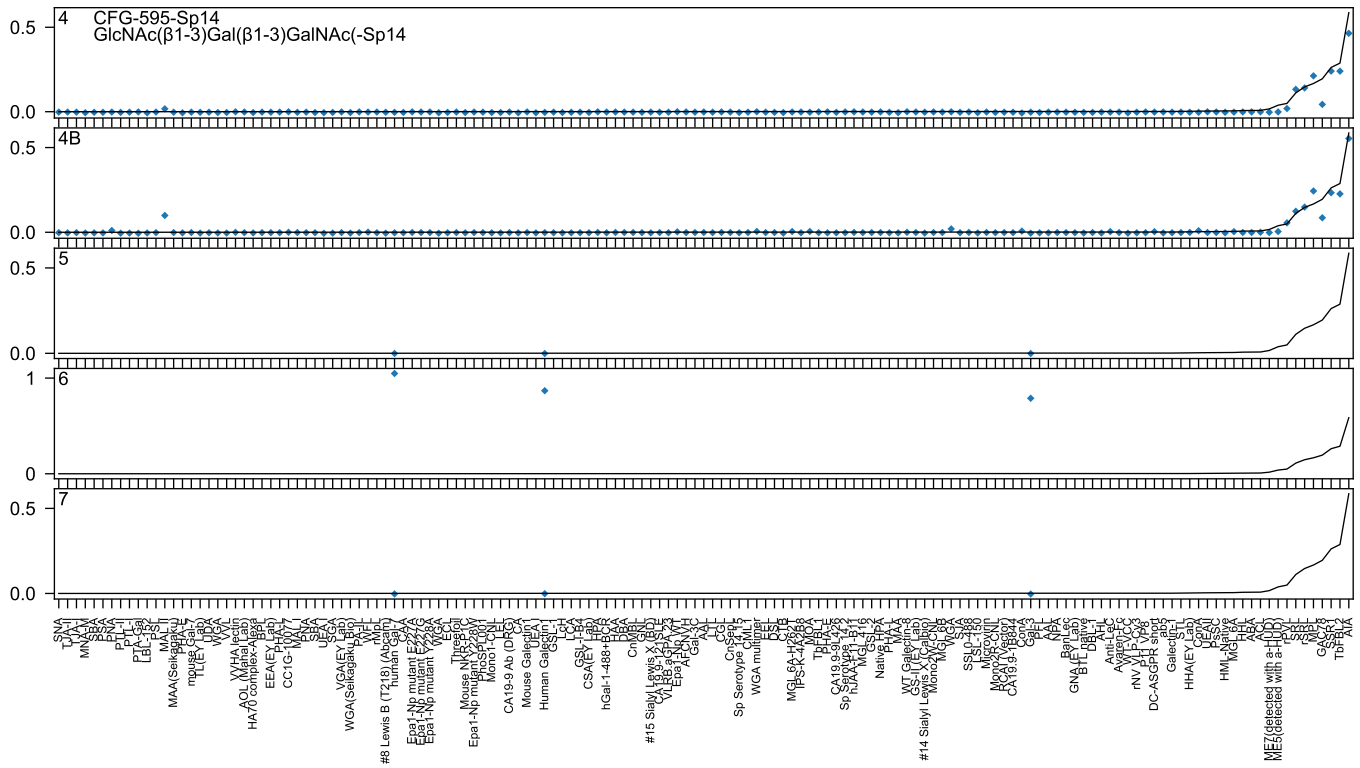

4
CFG-590-Sp14
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H262
LCA
LEL
PNA
PHA-L
MAL I
WFA
MAA(Seikagaku)
PHA-E
MAL II
EEA(EY Lab)
ECA
PHA-L
PTA
aba
CA19.9-1B78
ABA
BSA
CA19.9-1B32
TJA-I
TL(EY Lab)
mouse IgG
UDA
SWA
PVL
PWM
Native HPA
HA70 conA(EY Lab)
CSA(EY Lab)
GSL-I-B4
Epa1-Np
WGA
Epa1-Np mutant E257A
ECL
Human Galectin1
Mouse Galectin1
PhoSH
VCB
VCA
PSA
ACL
A16
MGL A16
Mono2R-CNL
DSA
EEL
SEL
GSL-I
VLRB.aGPA.22
UEA
UEA
VGA(EY Lab)
MNA
AAL
Epa1-Np mutant E257Q
CGL
CAA
CAA
Human Galectin3
human Galectin7
SnAA-F11-B11
Sp Sialyl Lewis X(Calbio)
#14 Sialyl Lewis X(Calbio)
CA19.9 Ab (DRG)
Mono
hGal-1498+BCS
Sp Sialyl Lewis X
Epa1-Np mutant E257A
hGal-1498
Epa1-Np mutant Lectin
LBL-152
LBL-152
PTL
GNL
rNV
rNV
HMA(native)
VVH(native)
#15 Sialyl Lewis X (TBD)
NPA
#8 Lewis B (T218) (Bakaoki)
Bam sec
Mono2W-CNL
RCA(Vector)
Mono2G-CNL
AOL(Matrix Lab)
CNA
BTL native
PSL
PEL
Galectin1
TcFBL1
Mono
WGA(Seikagaku Bio)
WFL
P11-VPE
SSLD-488
GA
GNA (EY Lab)
SNA
CnSBL
LSL-150
Avaren-Ac
ConA
HHA(E DBE)
DC-ASGPR-Lec
CCTG-10077
ME7(detected with a-HUD)
GS-II (EY Lab)
GNA
LEA
ABA
ME5(detected with a-HUD)
SJL
PNA
SBT
SBB
GSC-B4
TJA-II
WGA
WGA multimer

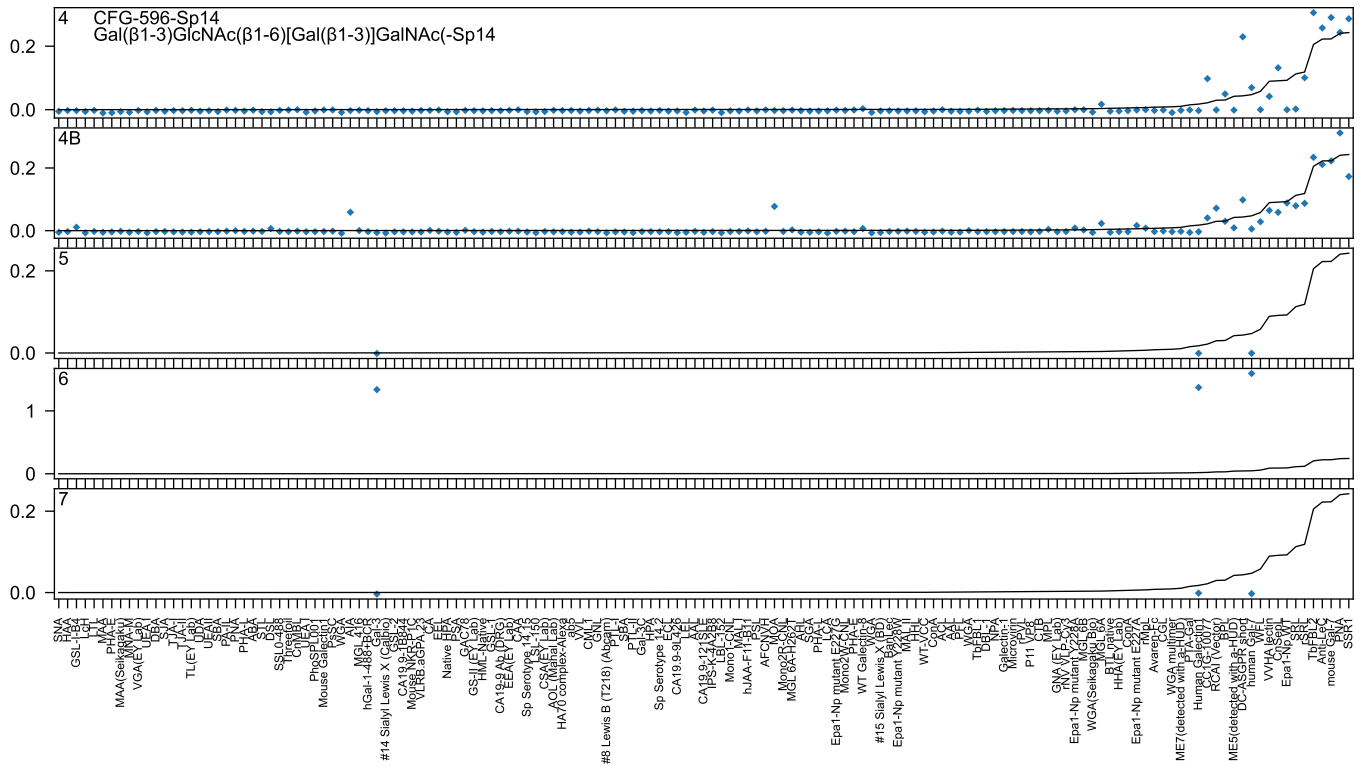

4
CFG-591-Sp0
GalNAc(β1-3)GlcNAc(β-Sp0
4B
5
6
7
0.5
0.0
SNA
#14 Sialyl Lewis X (Calbio)
hGal-1-488-BGB
GNL
UDA
TL(EY Lab)
Sp Serotype 14
IAA-T
SJA
PNA
Galectin-C
PTL-I
PTL-II
PHA-E
PSA
PHA-L
PAA-T
WGA(Seikagaku)
Native BSA
SGA
SGA
CA19.9-488
CA19.9-1B44
HHA(EY Lab)
PHA-L
GAL3
SBA
SBA
AOL (Marha) (EY Lab)
VGA(EY Lab)
WFA
LBL
ME7(detected with a-HUD)
VLRB.aGFP
AAL
PWL
MAA(Seikagaku)
WA Galectin-9
WFA
CA
CA
PHA-E
AIA
Galectin-8
WGA
AAL
Epa1-Np mutant EA2
AAL
Mouse Galectin1
Human Galectin1
ECL
UEA-I
Epa1-Np mutant Y228V
P1-PDB5
GNL
MOA
LTL
NEA
LEL
GSL-I-B4
PhoSP-1001
HPA
GNA
HAA
ABA
DBA
Sp Serotype 14-T3
Mouse NKR-P1C
SSA(EY Lab)
CALB1
Epa1-Np mutant Y252T
Epa1-Np WT
CA19.9-121-SC-E
Thrombin
AFCMV
Epa1-Np mutant F121G
NJAA-T
HCA
#15 Sialyl Lewis X (BD)
HAX0 complex-Alexa
#8 Lewis B (T2-18) (Calbio)
[SL-155]
PNA
PHA-M
Microvirin
MOA
EEA(EY Lab)
RCA(EY Lab)
TJA-II
Bam Lec
Avaro-Lec
IP-S-K4(Seikagaku)
SSA
DEAI
ME5(detected with a-HUD)
SSA
GNA (EY Lab)
BTL native
GSII (EY Lab)
Mono2R-CNL
TOL
TJA-I
WGA mutant
Mono2
CCL
Mono2-CRL
CSA(EY Lab)
MGL-418
MGL-6A-H2824
Mono1-Gal-7
hVVHA lectin
CC1G-10024
MGL-6A
mouse Galectin-9
BPL
SSA
SSA
MGL-6A
Anti-WFL
DC-ASGPR short

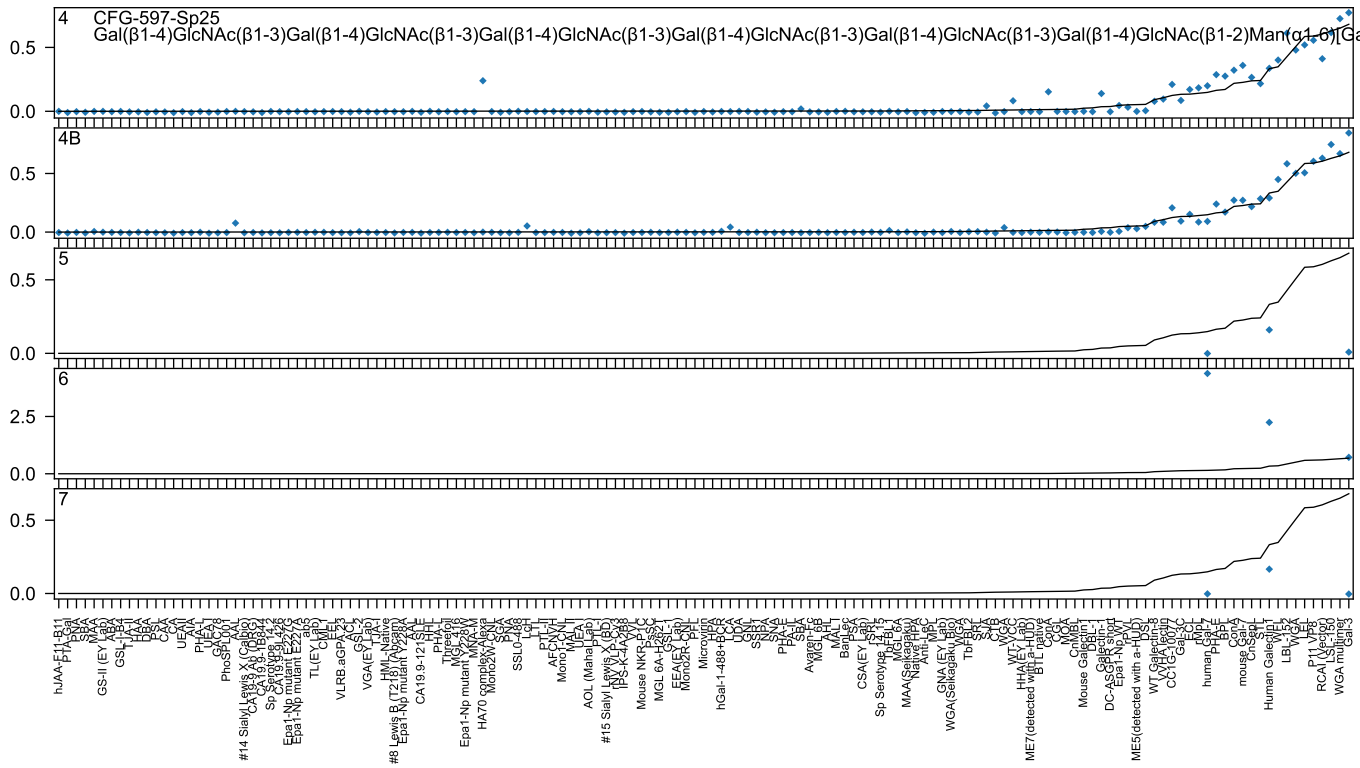

4
CFG-592-Sp0
GalNAc(β1-4)GlcNAc(β1-3)GalNAc(β1-4)GlcNAc(β-Sp0
4B
5
6
7
0.0
0.5
1
PTA
GSL-I-B4
WT-CGF
ME5(detected with a-HUD)
LCA
ME7(detected with a-HUD)
MAA(Seikagaku)
PNA
VLRB.aGPA2
SSA
AIL
RCA
BPA
Native HPA
B1L
BAUhe
hGal-1-488
TL(EY Lab)
Sp Serotype 14.2
#14 Sialyl Lewis X (Abcam)
HGL
GS-II (EY Lab)
Epa1-Np mutant D227G
Epa1-Np mutant Y227A
Mouse Galectin-1
PHA-L
Epa1-Np mutant Y227A
CTB
Threefoil
Galectin-3
#15 Sialyl Lewis X (Abcam)
AIA
IPS-K-4(1:288)
P11
PCA
VGA(EY Lab)
GSL-I
MNA-M
EEL
RCA
Bandeiraea
Microcystin
Epa1-Np mutant D227A
PHA(EY Lab)
PSL
WT Galectin-8
ACL (Marasmia)
SBA
CA19.9 Alexa complex
HA70 complex
Sp Serotype 14.2
MAL I
HML-Native
PTL-II
Epa1-Np mutant Y227A
CA19.9 Ab (DRG)
GSL-I
SNA
PNA
EEA(EY Lab)
GALT-8
GAL1-8
CML1
CA19.9-Fab
WFA
PhoSPLD1
#8 Lewis B (T218) (Abcam)
PVA
CorA
CSMB
LSL-II
TJA-II
hJAA-Fc
SSL0-188
Avarelin
DSL
CGA
RBA
LTB-152
RCA (Vector)
RNV VLP
OAA
Anti-LeC
DBA
Human Galectin-1
PNA
GlcGC
Mono2R-CNL
Mouse NRP-B/C
MGL-A16
MonoR-CNL
VVHA lectin
MGL 6A-H3B4
SJA
CSA(EY Lab)
Chi-Sep1
HMP
Mono1-5KL
mouse Gal-7
CC1G-1007
WGA
MGL-6A
VFL
SBA
WGA(Seikagaku)
BPL
WEL
WGA multimer
DC-ASGPR short

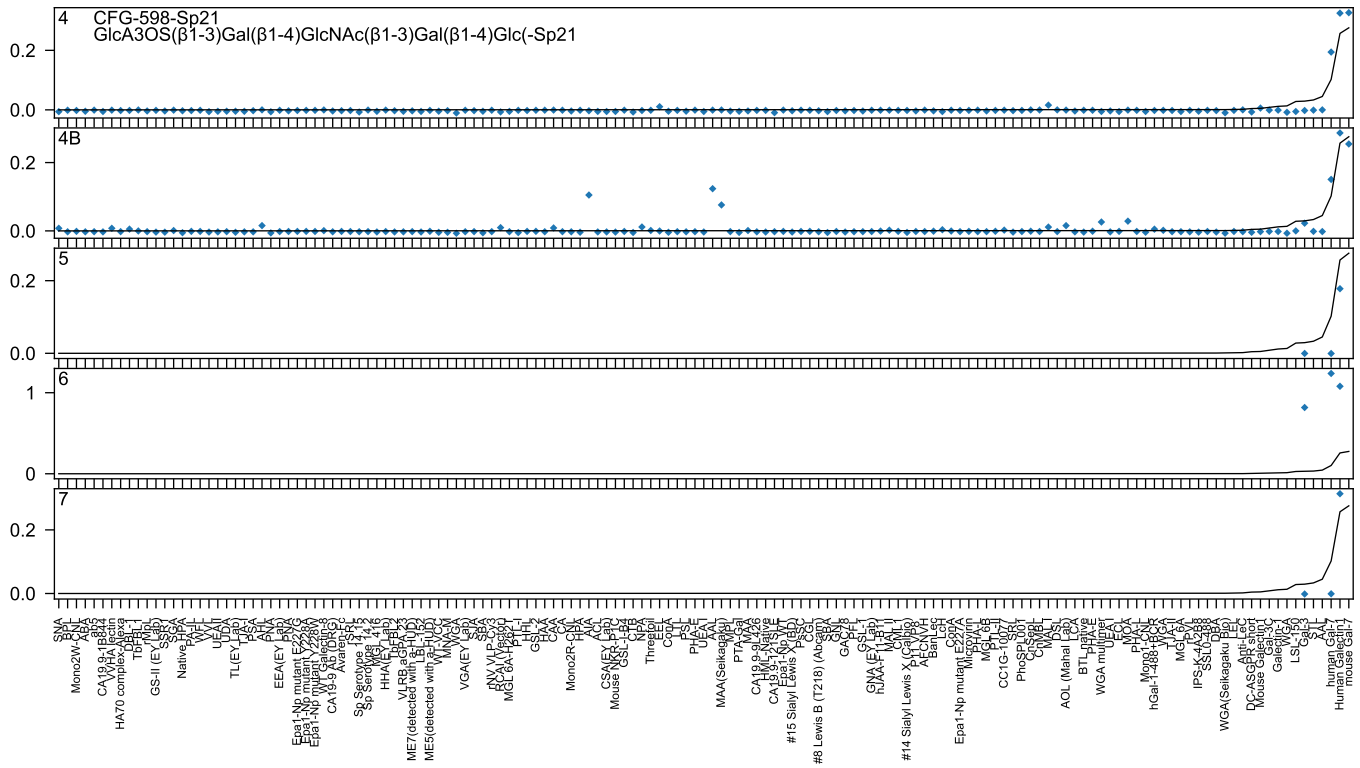

4
CFG-593-Sp25
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-
4B
5
6
7
0.0
0.5
2

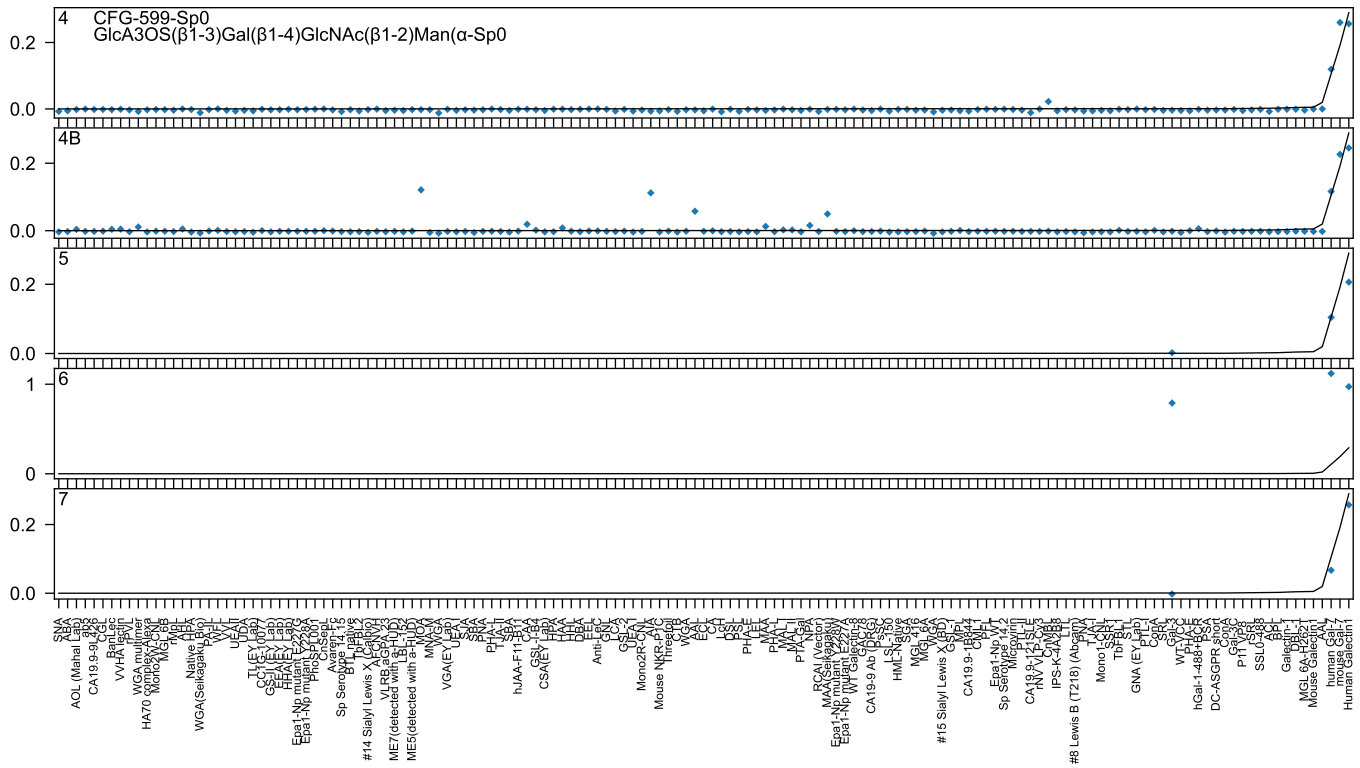

4
CFG-594-Sp25
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Ga
4B
5
6
7
0.0
0.5
2.5
hJAA-F11
LBA
PNA
GSL-I-B4
VLRB.aGPA
RCA
MAA
ABA
SBA
ECL
GSL-I-2
MAL
ACA
AAL
TL(EY Lab)
PhoSL(EY Lab)
CTB
IPS-K
PCBP
CA19-9 Ab (DRG)
CAA
abo
Mono2R_abo
PSL
CA19-9 (1-426)
CA19-9 (1-84)
VAE
PNA
HML
Man
HA70 complex-Alexa
AFCN
Epa1-Np mutant E227A
Epa1-Np mutant 1-422
Sp Serotype 1-422
Epa1-Np mutant Y228A
Mono1-CNN
HPA
Epa1-Np mutant Y228A
SGA
PHA-L
PHA-E
CA19.9
1B44
TJA-I
CML
#8 Lewis B (T218) (Abcam)
GS-II (EY Lab)
SBA
DBA
NV VLP-Cy3
Epa1-Np mutant E227A
CA19.9-1 (T218)
MGL-1
SRL
Mono2(II)
Mono2(III)
PHA-L
MGL-6A (T280)
#15 Sialyl Lewis X (Calbiochem)
EEA(EY Lab)
Mouse NKR
UEA-I
#14 Sialyl Lewis X (Calbiochem)
GAC
SSA
SSL1
Avarol-FF
MPA
NPA
MPL
LEL
MVA-N
hGal-1-488
HBGF
HBGF-FY
ASL
MGL-PB
Thrombin
UEA-I
Sp Serotype 1
Native HPS
WGA(Seikagaku)
RCA-E
SSL1
TP-PS2
GNA (EY Lab)
PTA-Gal
MGA
WT-YCC
HHA(EY Lab)
HHA(EY Lab)
MAA(Seikagaku)
NGA
ME7(detected with a-HUD)
Anti-LeC
BTCP
SUA
DC-ASGPR-Fc
ME5(detected with a-HUD)
Mouse Galectin-1
Galectin-1
CorA
rPDF
Epa1-Np DVT
VVA
VVA lectin
WT Galectin-3
Galectin-3
human Galectin-7
Man
BPL
CC1G-10077
CnSepi
CSA
Human Galectin1
mouse Galectin-1
PHA-E
VEA
VVL
P11
VPB
WGA multimer
RCA (Vector)
LSL-1-B4
Gal-3

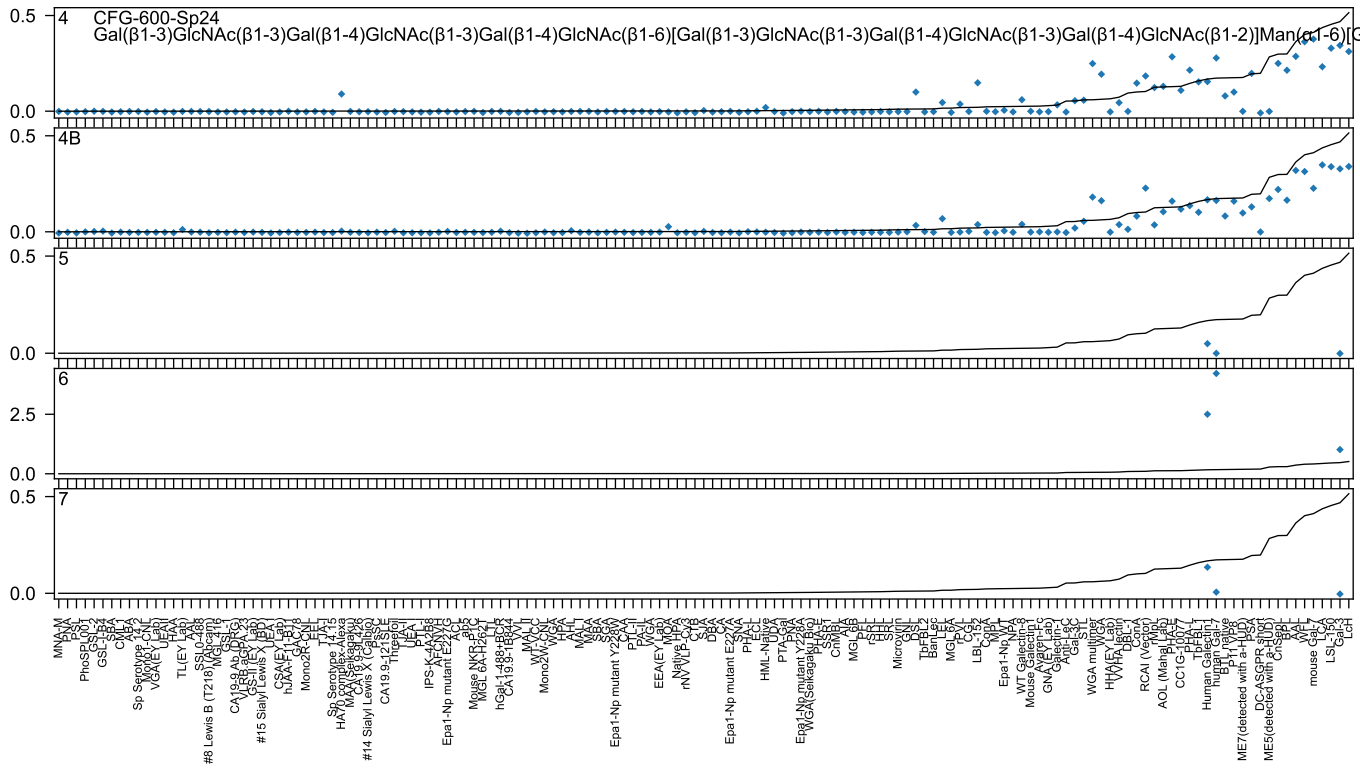

4
CFG-595-Sp14
GlcNAc(β1-3)Gal(β1-3)GalNAc(-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
TJA-I
VVA
MNA
SBA
PSA
PNA
PTA
PTA-I
Gal
LBL-I-B2
MAL-I
MAA(Seikagaku)
ACA
mouse Gal-7
TL(EY Lab)
WGA
VCA
VVL
VVHA (ev1)
AOL (Mahal Lab)
HA/0 complex-Biot
EEA(Ey Lab)
CC1G-10077
MAA
SNA
SBA
UEA
SCA
VGA(EY Lab)
WGA(Seikagaku)
PAL
WFL
#8 Lewis B (T218) (Abcam)
human Gal-7
Epa1-Np mutant E227A
Epa1-Np mutant E226A
Epa1-Np mutant E226Q
WGA
ECA
Mouse NK-22
Epa1-Np mutant E227A
PhoSL001
Mono1-Tcell
CA19-9 Ab (DRG)
Mouse Galectin1
UEA
Human Galectin1
GSL1
LCA
GSL1-B4
CSA(EY Lab)
LBA
hGal-1-488+BCR
PCA
DBA
Cholera
#15 Sialyl Lewis X (BD)
CVL
RBA agglu
Epa3-Np WT
ACG
Gal-3C
AAL
CGL
Galectin-9
Sp Serotype 1
Sp Serotype 5
CML1
WGA mutant
DSL
MGL-6A-H2627
IPS-K-4-0628
TbPBL1
CA19.9-9L426
Sp Serotype 14
hJAC-1-1411
MGL-416
GSL-IV-A
Native PHA-L
PHA-L
WT Galectin-3
GS-I(EY Lab)
Mouse Galectin-3
#14 Sialyl Lewis X (BD)
Monoclonal CD57
MGL-6B
SNA
SSL-188
Mouse Ig
MGL-1-1-1
Mouse Ig
CA19.9-16842
Gal-3
Gal-1
PAL
NPA
Bay (Lab)
GNA (EY Lab)
BTL
Native
DBA
AHL
Anti-Lec
WFL
WFL-CC
nW pH 7.4
DC-ASGPR shpt
Galectin-1
HHA(EY Lab)
Con A
PEAS
HML
Native
MGL
HPA
ABA
ABL
MEZ(detected with a-HUD)
ME5(detected with a-HUD)
SSA
SSB
GAC-8
GAC-8
TbPBL1
AIA


4
CFG-596-Sp14
Gal(β1-3)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(-Sp14
4B
5
6
7
0.0
0.2
1
SNA
RCA
GSL-I-B4
UEA
LCA
PNA
MAA
MAA(Seikagaku)
VGA(EY Lab)
UEA
GNA
TJA-I
TJA-II
TL(EY Lab)
UDA
UEA
SBA
PWM
PHA-L
PHA-E
SNA
STL
DSA
SSL0
SSL0(Seikagaku)
PhoSL
PhoSL(Lab)
CNL
CNL(Lab)
Mouse Galectin-1
Mouse Galectin-3
WGA
MGL 416
MGL 416
hGal-1-488-Pro-5
#14 Sialyl Lewis X (Calbio)
CA19.9 (Calbio)
CA19.9 (Lab)
Mouse NKR-P1C
VLRB.aGPA
ACA
Native
EBL
PSA
GS-II(EY Lab)
HMC-Native
CA19.9 Ab (DRG)
EEA(EY Lab)
Sp Serotype 14-15
CSA(EY Lab)
AOL (Mahal Lab)
HA70 complex-Alexa
WVA
CVN
GNL
#8 Lewis B (T218) (Abcam)
SBA
Gal-1
HPA
Sp Serotype
ECA
CA19.9-9.426
AAL
CA19.9-121.ASB
LBL-182
Morlo VAN
hJAA-F11-B11
AFCN7H
Mono2R MOA
MGL 6A-H2B4
SCA
PHA-L
Epa1-Np mutant E227G
Mono2 WCNL
WT Galectin-8
#15 Sialyl Lewis X (BD)
Epa1-Np mutant KM7N7
WT-1D4
CpoA
AOL
PEL
VGA
TomBP-1
DSL-1
Galectin-1
Microvillin
P11
VZV
MPB
GNA (EY Lab)
Epa1-Np mutant Y294A
WGA(Seikagaku)
MGL6B
MGL6A
R1E (native)
HHA(EY Lab)
CpoA
Epa1-Np mutant E227A
Avarelle-EC
WGA multimer
ME7(detected with a HUD)
MGL 6A-H2D7
Human Galectin-1
RCA (Vector)
BPI
ME5(detected with a HUD)
DEC-205
human Galectin-7
VVHA
VVHA (Lab)
Epa1-Np
SSL
TomBP-1
Anti-LacC
mouse Galectin-1
BANA
SSR1


4
CFG-597-Sp25
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Ga
4B
5
6
7
0.0
0.5
2.5
hJAA-F11-B11
PHA-E
PNA
MAA
GS-II (EY Lab)
GSL-I-B4
LTA
DBA
CSA
UEA
AIA
PHA-L
GNL
PhoSL-DOL
#14 Sialyl Lewis X (Calbio)
CA19.9 (Abbott)
Sp Serotype 14
Epa1-Np mutant E222Q
Epa1-Np mutant E222A
TL(EY Lab)
CTL
VLRB.aGPA-23
GSL-2
VGA(EY Lab)
HM1-Native
#8 Lewis B T2 (Abbott)
Epa1-Np mutant Y228A
CA19.9-121
SAA
SHL
PHA-P
Tomato-1
MGL-418
Epa1-Np mutant M224W
HA70 complex-Alexa
Mono2W-SGA
PNA
SSL0
LGI
PTL
PTL-I
AFCN(VH)
Mono1W-LNT
UEA
AOL (Marine-HP)
#15 Sialyl Lewis X (BD)
IPS-K-A288
Mouse NKR-P1C
MGL 6A-1
GSL-1
EEA(EY Lab)
Mono2K-LNT
PPL
Microvirin
hGal-1-488+PCR
UDA
GNA
SNA
SNA-I
PHA-E
SBA
Avaren-1
MGL 8B
MALI
Banlec
CSA(EY Lab)
Sp Serotype 19F
Sp Serotype 15
TxFBL-1
MGA
MAA(Seleckine)
Naive HPA
Anti-PK
MPL
WGA(SeleckineW)
GNA(EY Lab)
VGA
Tb-Bz
SBL
SAA
WGA
WT(YCC)
HHA
ME7(detected with a-HUD)
BTL native
COG
CnMBA
Mouse Galectin-1
DC-ASGPR short
Epa1-Np
PNA
ME5(detected with a-HUD)
WT Galectin-8
CCL(Calbio)
Galectin-3C
mouse Galectin-1
human Galectin-1
GAL-F
BPF
Gal-9
mouse Gal-9
CnSeq1
Human Galectin-1
LBL
VIA
WGA
P11
VFB
RCA (Vector)
WGA multimer
Gal-3


4
CFG-598-Sp21
GlcA3OS(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.0
0.2
0
1
SNA
SNL
Mono2W-CNL
ABA
CA19.9-1
CA19.9-1(B844
CA19.9-1(HA)
HA70 complex-Alexa
TD-1
GS-II (E. simplicifolia)
Native-PGA
SGA
PAA
WFL
UEAI
UDA
TL(EY Lab)
LEL
ACA
PNA
EEA(EY Lab)
PWA
Epa1-Np mutant E227G
Epa1-Np mutant V228W
Epa1-Np mutant Y229A
CA19.9-2
Sa-IgG(RG)
Avarol-Fc
Sp Serotype 14 T3
Sp Serotype 14 T6
HHA(EY Lab)
VLRB.aB7-B5
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WFA
WVGA
VGA(EY Lab)
SBA
rNV VP-CC03
RCA(Vector Lab)
MGL 6A-H2021
HPA
GSL-I
CAA
Mono2R-CNL
HPA
ACA
GSA(EY Lab)
Mouse GSL-I-B4
KPA
Threoglol
CEA
CD1
PGA
PHAE
UEA
EAL
MAA(Seikagaku)
PTA
Vicial
MVA
CA19.9-9
HM-Native
CA19.9-1(HSLF
Lewis Y (BD)
#15 Sialyl Lewis X(BD)
PSA
#8 Lewis B (T218) (Abcam)
SBA
GAL8
GSL-I
GNA(EY Lab)
NJAX-F1 Lab)
MAL II
#14 Sialyl Lewis X (Calbio)
Ach-1
Ach-4
Ban Lec
LCH
Epa1-Np mutant E227A
Mouse CD1
MGL 6B
CC1G-10077
PhoSpSR
PhoSpSL
CNA35
DSL
AOL (Mahal Lab)
BTL (native)
WGA multimer
UEA
MOA
PHA-L
Mono-FUCA
hGal-1-488+BCR
JAC1
MGL 6A
IPS-K-4A288
SSL0D288
WGA(Seikagaku Bio)
Anti-Lec
DC-ASGPR short
Mouse Galectin-1
Gal-3C
Galectin-4
LSL-159
Gal-3
AAL
human Galectin-1
Human Galectin-1
mouse Gal-7


4
CFG-599-Sp0
GlcA3OS(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α-Sp0
4B
5
6
7
0.2
0.0
1
0
SNA
SBA
AOL (Mahal Lab)
CA19.9-9L
498
CGL
Bandeiraea
VVHA
sialin
PNA
WGA multivalent
complex-Alexa
Mono2/CG8
WGA
Native CIPA
WGA(Seikagaku Bio)
WFL
UEAI
UDA
PWM
TL(EY Lab)
GCL(EY Lab)
GSL(EY Lab)
HHA(EY Lab)
Epa1-Np mutant E227A
Epa1-Np mutant E227G
PhoSPL001
Avarrhenatherin
Sp Serotype 14_15
B1-PBP2
Tn-PBP2
#14 Sialyl Lewis X (Leloir)
VLRB.aGPA.23
VLRB.aGPA.33
ME7(detected with a-hUD)
ME5(detected with a-hUD)
MVN
MVN(A)
VGA
VGA(EY Lab)
UEA1
SSA
PNA
TJA-I
PHA-L
SBA
hJAA-F11
CAA
GSL-I-B4
CSA(EY Lab)
HPA
LTA
HHA
DBA
ECL
Anti-Fec
GNL
GSL-2
Mono2R-CRD
Mouse NKR-P1
AIA
Threelog
VCTB
VCA
AAL
ECA
LCH
PSL
PHA-E
MAA
PHA-L
MAL I
PTA(Ga)
RCA(Vector)
MAA(Vector)
Epa1-Np mutant(2288)
Epa1-Np mutant E227A
WT Gal-3(C2S)
CA19-9 Ab (BRIGS)
ISL-150
HML-N8GlcA
MGL 416
MGL 9A
#15 Sialyl Lewis X (BD)
CA19.9-(BRIGS)
MIP
Epa1-Np WT
Sp Serotype 14_7
Microgwin
CA19.9-121SLE
rNV VP1 Ch 093
IPS-K-4A288
#8 Lewis B (T218) (Abcam)
PNA
Mono1-LON
TxSSR1
STL
GNA (EY Lab)
CorA
Gal-3
WT-CCE
hGal-1-488+BCR
DC-ASGPR
PhoA
CorA
GNA
P-1-488
SSL0-488
ABP
BPT
Galectin-1
DBL-1
MGL 6A
Mouse Galectin-1
AAL
human Gal-7
mouse Gal-7
Human Galectin1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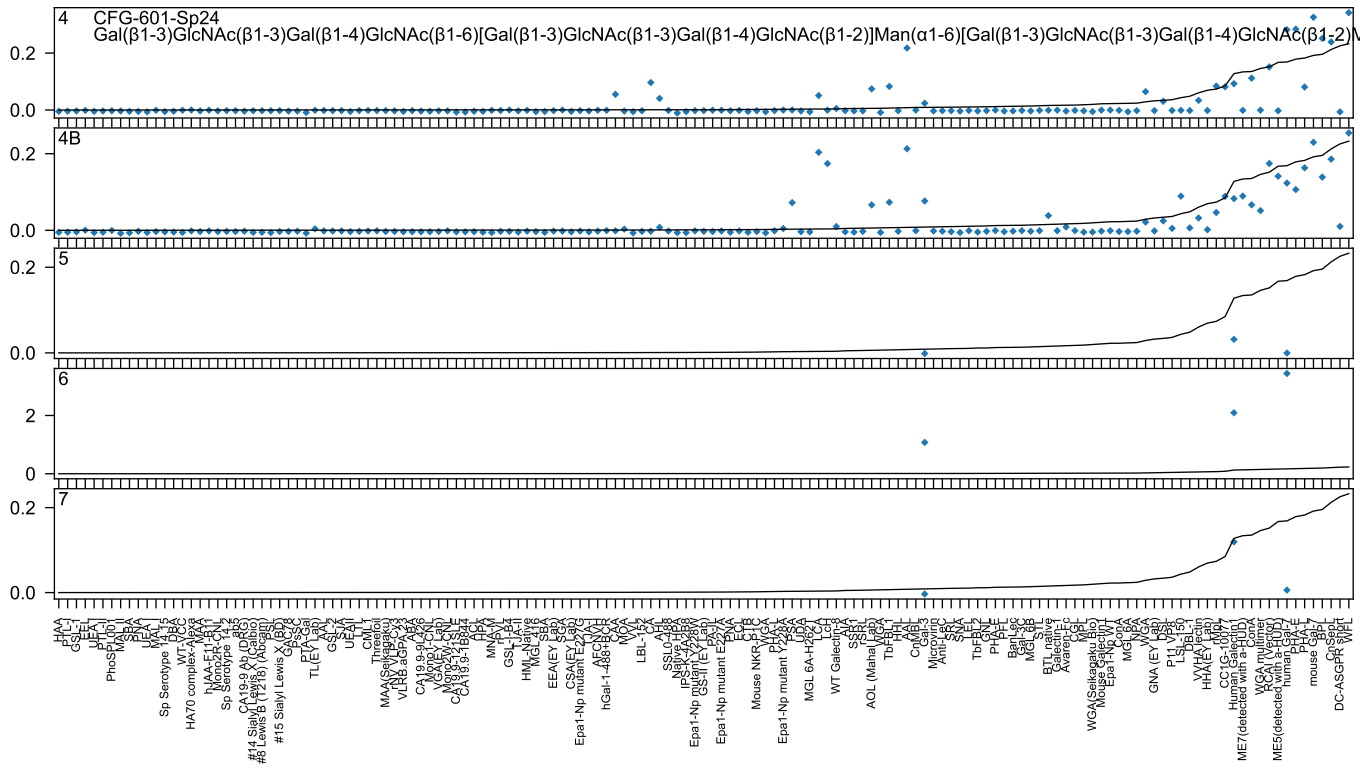
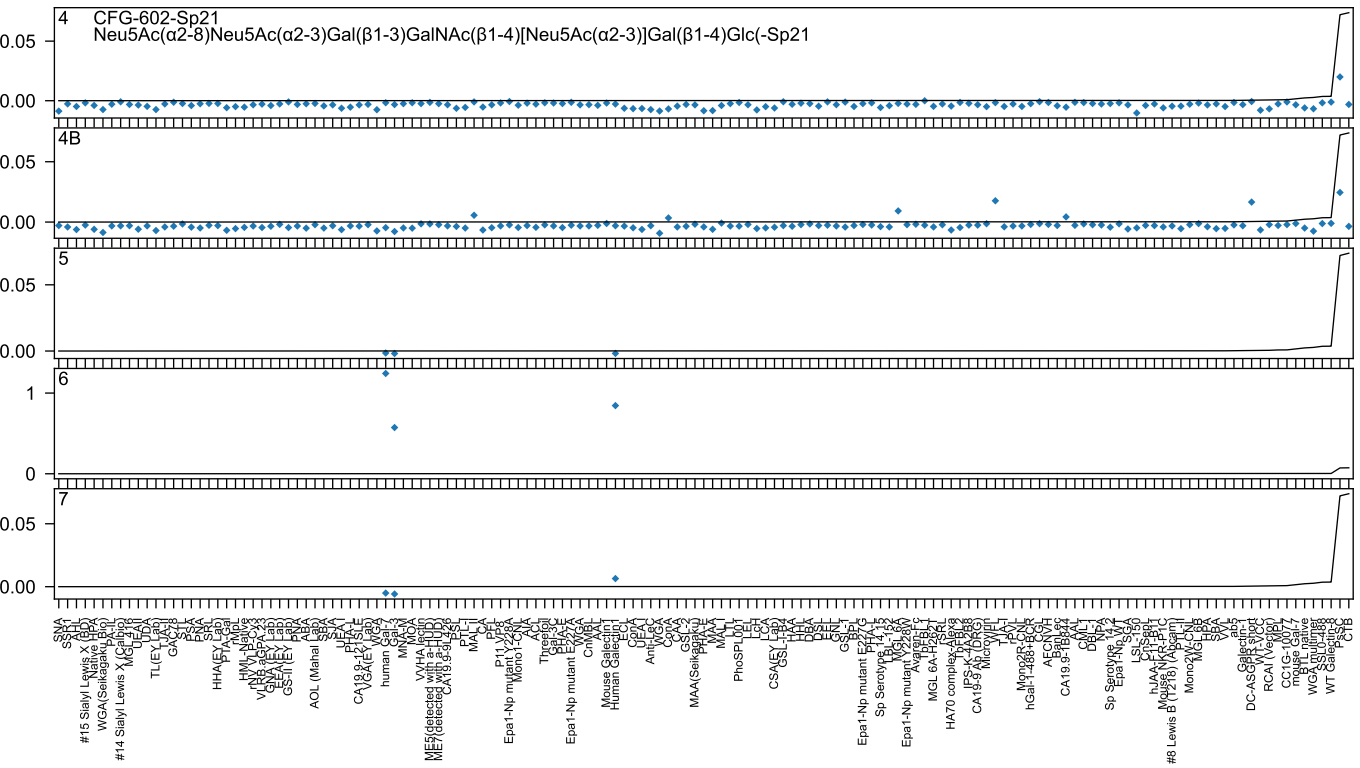
CFG-600-Sp24
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[G
4B
5
6
7
0.5
0.0
2.5


4
CFG-601-Sp24
Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-3)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)M
4B
5
6
7
0.0
0.2
0
2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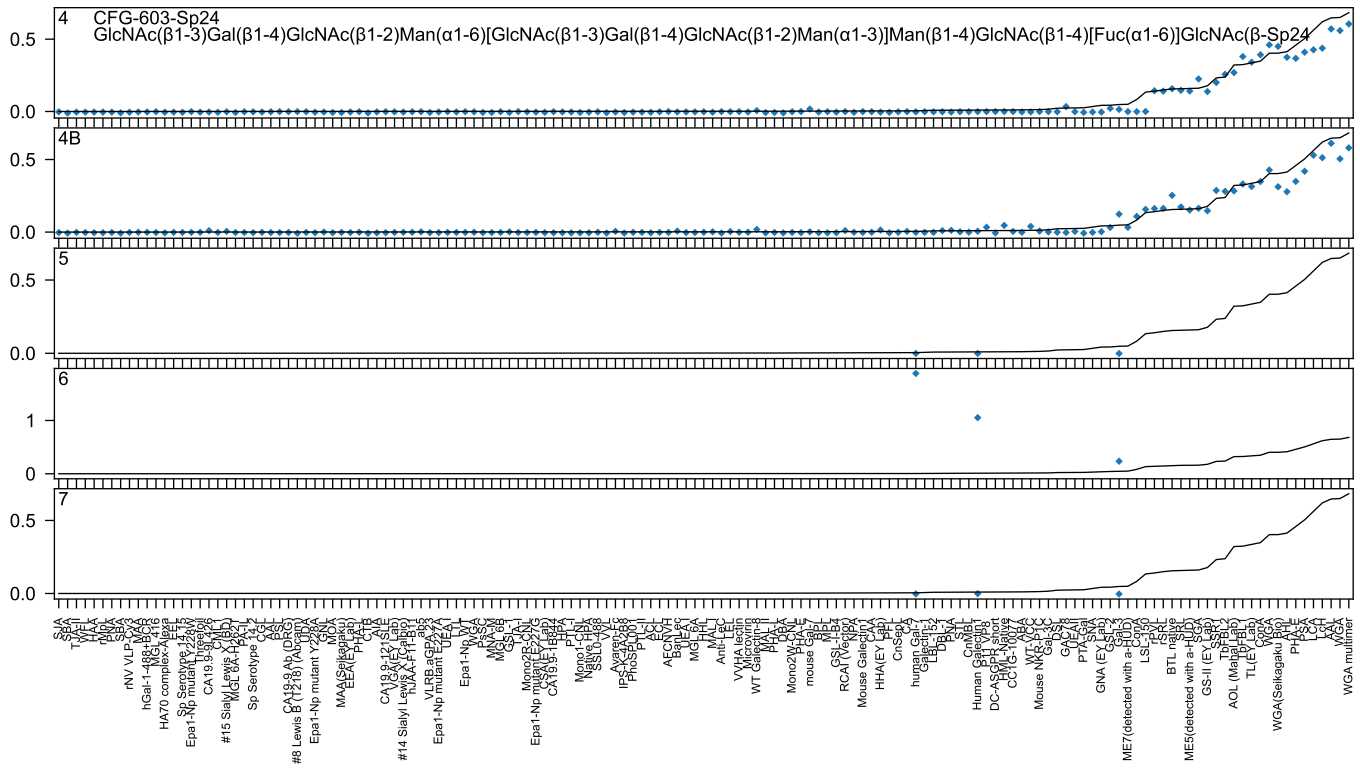
CFG-602-Sp21
Neu5Ac(α2-8)Neu5Ac(α2-3)Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-3)]Gal(β1-4)Glc(-Sp21
4B
5
6
7
0.05
0.00
1
0
SNA
SSA
ACL
#15 Sialyl Lewis X (Epa)
Native (Epa)
WGA(Seikagaku Bio)
#14 Sialyl Lewis X (Calbio)
MGL
LEA
UDA
TL(EY Lab)
GAC78
PSA
ESA
BNA
HHA(EY Lab)
PNA
Jacalin
hIgM - Native
vIgM - Native
RCA aPA-23
GNA(EY Lab)
GNA(EY Lab)
GSII(EY Lab)
ABA
AOL (Mahal Lab)
SJA
HPA
LEA1
PHA-L
CA19.9-12(SLE
VGA(EY Lab)
human Gal-7
Gal-1
MNA
MOA
VVHA
VVHA (detected with a-HUD)
ME5(detected with a-HUD)
ME7(detected with a-HUD)
CA19.9-3(SLE)
ESE
MAL-I
CA
P11
VFS
Epa1-Np mutant Y228A
Mono1-228A
ANA
ACL
Thrombin
Gal-3C
Epa1-Np mutant E227E
WGA
CnA
AAL
Mouse Galectin1
Human Galectin1
EEL
UEA1
Anti-LeX
CoA
SCA
GSL-I
MAA(Seikagaku)
PNAE
MAL
PhoSPLD1
LEL
LCA
CSA(EY Lab)
GSL-I(EY Lab)
HAA
DBA
DSA
ERL
GSL-I
Epa1-Np mutant E227G
PHA-E
Epa1-Np mutant E227A
Sp Serotype 1
TBL-182
Epa1-Np mutant Y228G
Avarol
MGL 6A (H2B7)
HA70 complex-(SSL)
Thrombin
CA19.9-1(DRG)
Microvirin
TJA-I
TJA-II
Mono2R
hGal-1-488+EDCR
ACG-01
CA19.9-Epa44
Bap-62
CML1
DGA
NPA
Sp Serotype 14
Epa1 Nonsense
WFA
SSA
LS-60
LS-Sep60
hJAA-F11-B11
Mono2R (Vaccaim)
#8 Lewis B (Vaccaim)
Mono2W
KGC-88
SEA
ECA
VVL
rip-1
Galectin-1
DC-ASGPR spot
RCA (Vector)
CCIG-1007
mouse Gal-7
R. n. native
WGA R. n. native
SSL0488
WT Galectin-3
PSTC
CTB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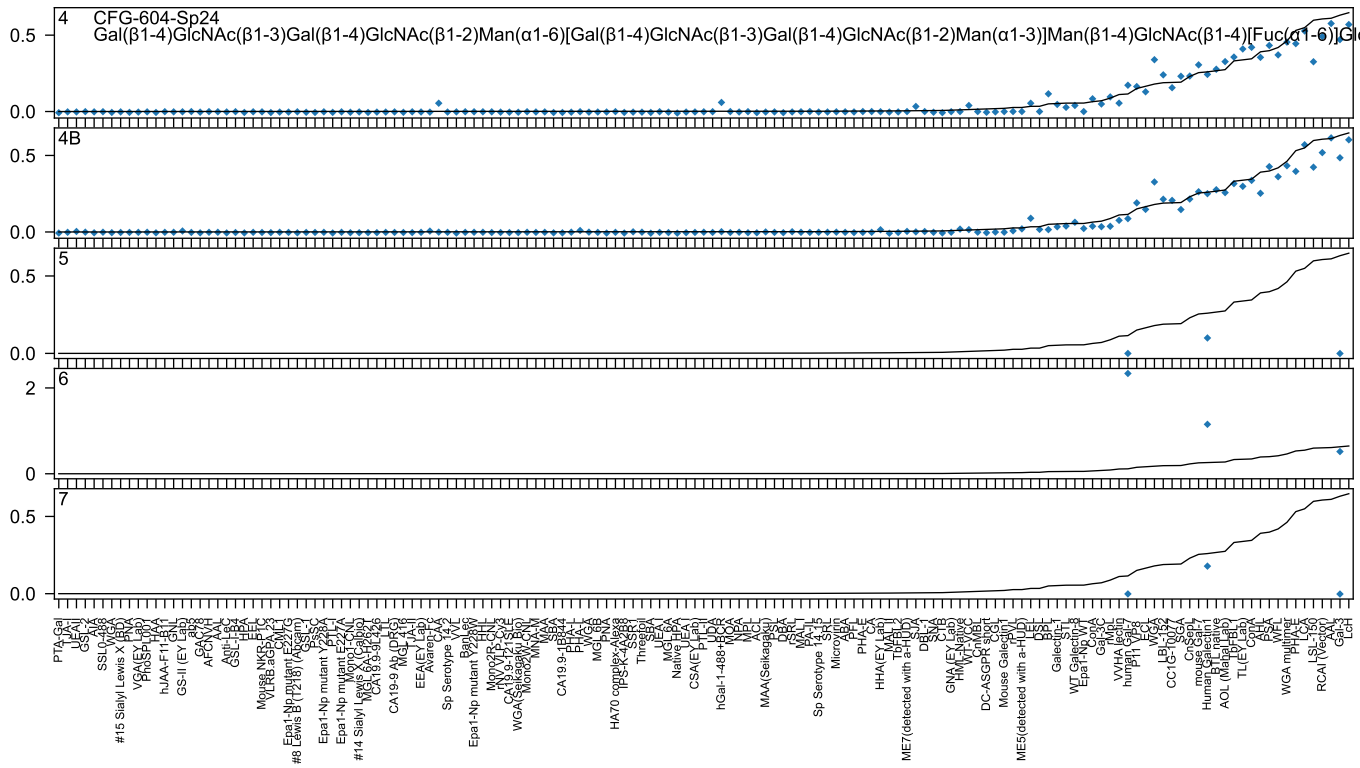
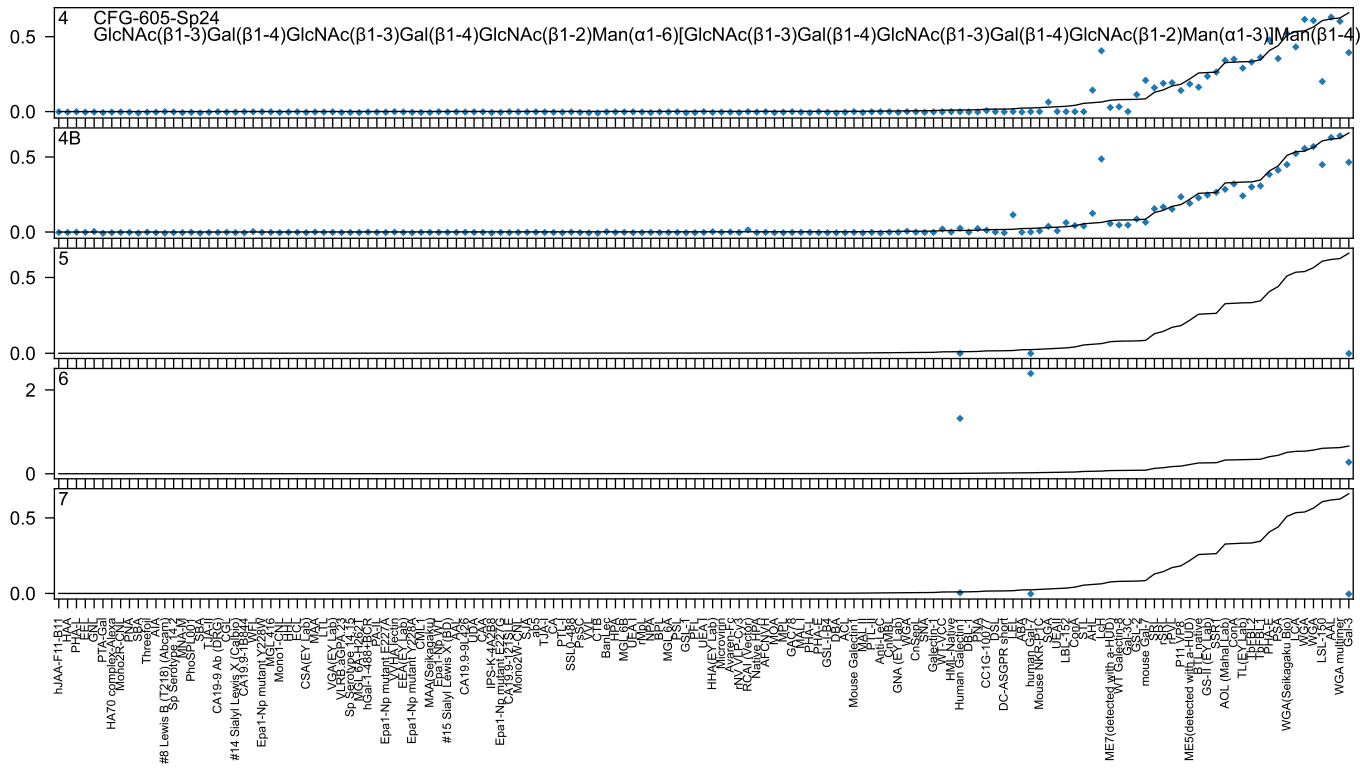
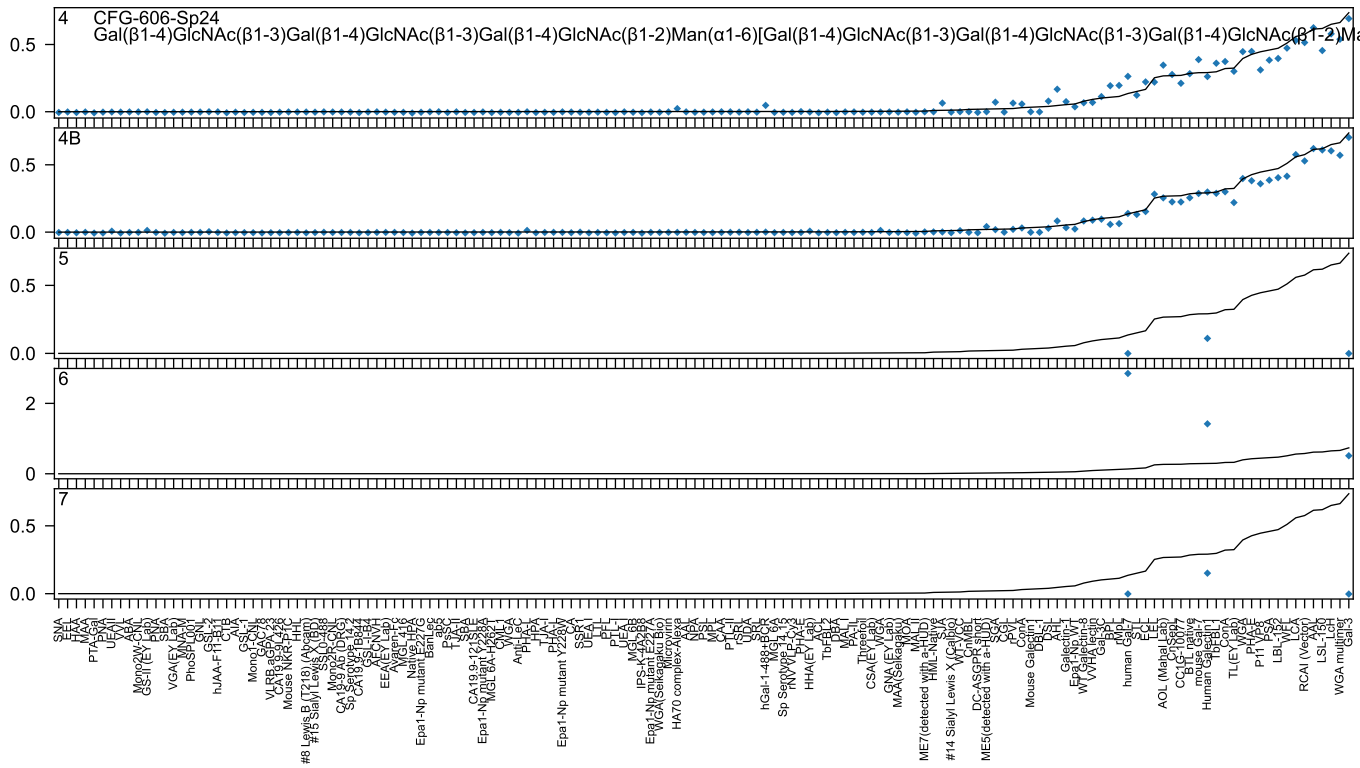
CFG-603-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]GlcNAc(β-Sp24
4B
5
6
7
0.5
0.0
1
0
SiA
SiA
TxA
VAI
VIA
VIA
PNA
DBA
SBA
SBA
nNV VLP
VVA
hGal-1-488-BCR
MGL Lectin
HA70 complex
EEL
Sp Serotype 12
Epa1-Np mutant Y228A
CA19.9 (Pineapl)
CMLI
#15 Sialyl Lewis A (Lab)
Mouse Fucl
PAL
Sp Serotype
CGF
CGF
BAL
BAL
CA19.9 Ab (DRG)
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant Y228A
NOA
MAA(Seikagaku)
EEA(Seikagaku)
PHA(L)
CTB
CTB
CA19.9 - 121 SLE
WGA (EY Lab)
#14 Sialyl Lewis C (Lab)
hJAA-F11-B11
Ap3
VLRB.aGP
Epa1-Np mutant E227A
LTA
LTA
Epa1-Np
NeuA
PasSc
MOA
MOA
GSL-1
Mono2B-CNL
Epa1-Np mutant E227S
CA19.9-18044
PTA
PTA
Mono1-CNL
Neu5Ac-488
SSL9-488
VVL
Avarex
IPSK-42288
PhosPLD1
PAC
ACL
ACNVH
BanLec
MGL-EA
MGL-EA
MALI
Anti-Lec
VVHA lectin
Microvirin
WT Galectin-1
WAL-I
PHA(E)
PHA(L)
Mono2W-CNL
mouse Gal-7
BPL
BPL
GSI-I-B4
RCA(Vector)
Mouse Galectin1
HHA(EY Lab)
PPL
CnSepA
human Gal-7
Gal-152
DBA
DBA
STL
STL
Human Galectin1
PH VP8
DC-ASGPR Native
CCTG-10077
WT-CCL
Mouse NKG-P-LC
Gal-8
DSL
GNA
GNA
PTA(Gal)
GNA (EY Lab)
GSL-2
ME7(detected with a-BUD)
LSL-100
TEL
TEL
BTL native
SBL
ME5(detected with a+BUD)
SGA
GS-II (EY Lab)
TcFBL2
AOL (Matsu-Ito)
TL(EY Lab)
WGA
WGA
WGA(Seikagaku Bio)
PHA(E)
PHA(E)
LCA
LCA
ICH
WGA
WGA multimer


4 CFG-604-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)GlcNAc(β1-4)[Fuc(α1-6)]Gl
4B
5
6
7
0.5
0.0
2
0
PTA-Gal
UEA1
GSL-I-B4
AJA
SSL0-486
PNA
#15 Sialyl Lewis X (BD)
PhaSP-1001
VGA(EY Lab)
hJAA-F11
BS-I
GNL
GS-II (EY Lab)
ABA
ACA
AOL
AAL
ASL-I-B4
GSL-I-B4
HPA
EEA
Mouse NKR-P1C
VLRB.aGPA.23
Epa1-Np mutant E227G
#8 Lewis B1 (7218) (Abcam)
PSA
PSSC
Epa1-Np mutant Y221A
Epa1-Np mutant E227A
#14 Sialyl Lewis X (Calbiochem)
MGL (BA-2122)
LTA
CA19-9 (Ab-1)
MGL2 (BA-3192)
EEA(EY Lab)
Avaren-1
CAA
Sp Serotype 9V
VVL
Epa1-Np mutant R220K
PHA-L
MOVVP-CX3
CA19.9-1
WGA(Seikagaku)
Monoclonal CD1d
MNA-M
SBA
CA19.9 (BD)
PHA-E
MGL-6B
PNA
HA70 complex-A/Aichi/2/68
PS-K-4A288
Thomsen
SBA
UEA
MGL-6B
Native EPA
CSA(EY Lab)
PHA-L
hGal-1-488+RCA
NPA
MPL
MAA(Seikagaku)
PSL
SSL
MAL-I
Sp Serotype 14-15
Sp Serotype 1-13
Microsphin
ABA
PHA-E
LCA
HHA(EY Lab)
MAL-II
DHPD
ME7(detected with a-HPD)
SLA
DSA
SNA
CTB
GNA (EY Lab)
HMA-Native
WT-Mac
DC-ASGPR spot
Mouse Galectin-1
PDL
ME5(detected with a-HPD)
BPL
BSL
Galectin-1
WT Galectin-1
Epa1-Np WT
Galectin-3
VVHA (Mabtech)
human Galectin-7
PTL
WGA
LBL
CC1G-0047
SGA
Consensus Gal-7
mouse Galectin-7
Human Galectin1
AOL (Mabtech)
AOL (Mabtech Lab)
TL(EY Lab)
ConA
PSA
WFL
WGA mutant
PHA-E
LSL-1-150
RCA (Vector)
Gal-3
LCH


4
CFG-605-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4)
4B
5
6
7
0.5
0.0
2
0
hJAA-F11-B11
RAA
PHAL
GNL
PTA-Gal
HA70 complex
Mono2K-PNP
SBA
Threonin
#8 Lewis B (T218) (Abcam)
Sp Serotype 14 2
PhoSPA (Gal)
CA19-9 Ab (DSG)
#14 Sialyl Lewis X (Calbiochem)
CA19.9-1B8B4
Epa1-Np mutant Y229W
MGL-416
Mono1-PNP
CSA(EY
CSA(EY
VGA(EY Lab)
VGA(EY Lab)
Sp Serotype 14 2
hGal-1-488-BCR
Epa1-Np mutant E227A
EEA(EY Lectin)
Epa1-Np mutant Y229A
MAA(Seikagaku)
#15 Sialyl Lewis X (BD)
CA19.9-9-1C8
IPS-K-488
Epa1-Np mutant E229Q
CA19.9-2-TSLE
Mono2W-PNP
SJA
TJA-I
PCA
SSL-488
PsSC
CTB
Ban-Lec
MGL-488
UEA
NPA
BPA
MGL-PE
BSL
BFL
GSL-I
UEA
HHA(EY Lab)
Microvirin
rNV-VP-FC
rNV-VP-FC
RCA(Vector)
NAPU-NVH
WGA
MOA
GAL
GAL-8
PHAL
PHA-E
PHA-L
GSL-I-B4
DBA
ACL
Mouse Galectin-1
ACL
MAL II
Agaricus
CoralBL
GNA (EY Lab)
WGA
CnSGL
Galectin-1
Galectin-1
NV-NVCc
HMA
Human Galectin1
Dolichos
BPL
CC1G-1007
DC-ASGPR short
AEL
AEL
human Gal-7
Mouse NKR-P1C
LBL
UEA1
LBL
CaSL
SJL
AGH
ME7(detected with a-HOD)
WT Gal-1
Gal-3C
Gal-7
mouse Gal-7
SBL
SBL
PCL
P11-VP6
ME5(detected with a-native)
BTL (native)
GS-II (E. Lab)
AOL (Mahal Lab)
TL(EY Lab)
TL(EY Lab)
TcEBL2
TcEBL2
PHA-E
PHA-E
WGA(Seikagaku)
EBA
EBA
WGA
WGA
LSL-180
LSL-180
WGA multimer
Gal-3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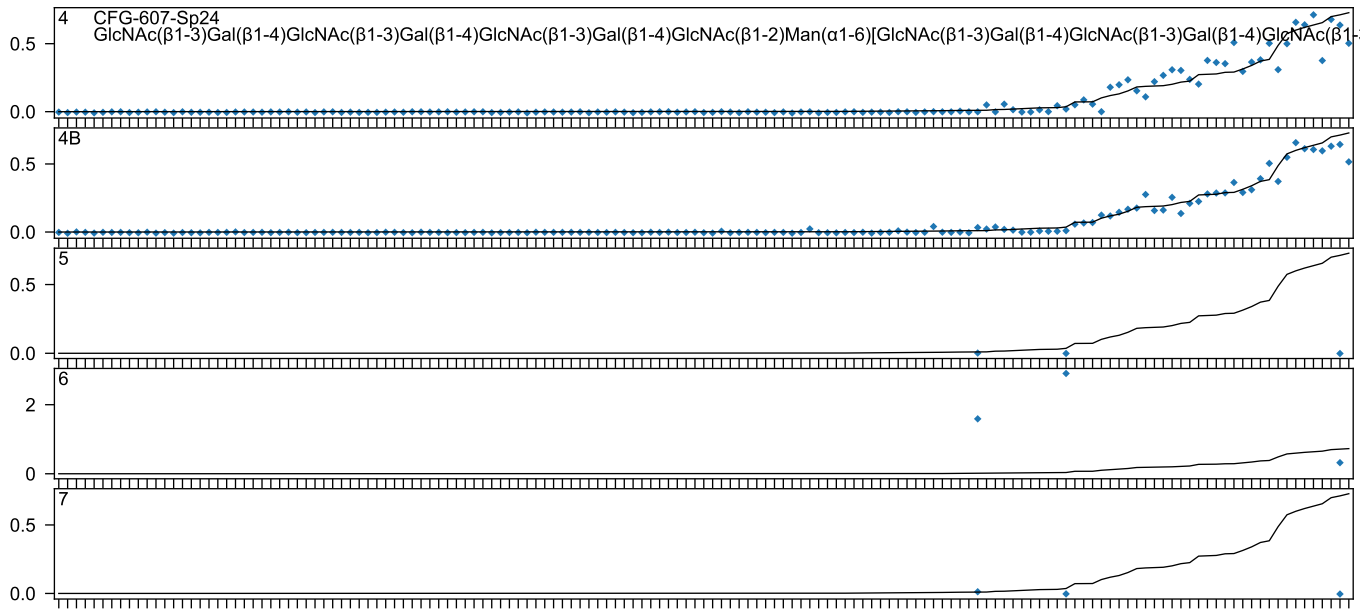
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Ma
4B
5
6
7
0.0
0.5
0
2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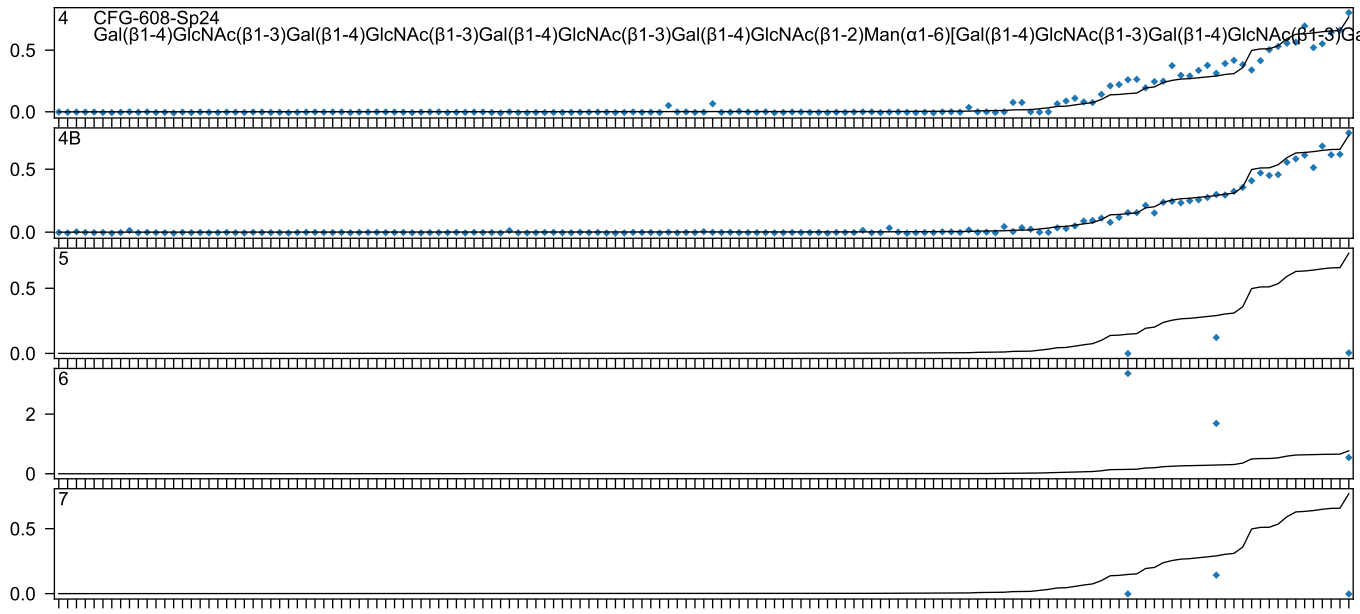
CFG-607-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-
4B
5
6
7
0.0
0.5
2
#15 Sialyl Lewis X (BD)
#8 Lewis B (T219) (Abcam)
#14 Sialyl Lewis X (Calbiom)
Epa1-Np mutant Y226A
Sp Serotype 14 T5
hGal-1-489-WT
Sp Serotype 14 2
HA70 complex-Act1
Epa1-Np mutant E222G
MAA(Seikagaku)
VLRB aGPA
CA19-9 Ab (DRG)
CA19-9 (Zymed)
MGL
CA19-9-1
hJAA-F11
Epa1-Np WT
Mono1-CNL
VGA(EY Lab)
Mono2W-CNL
Epa1-Np mutant E222A
EEA(EY Lab)
Epa1-Np mutant E222A
SSL0488
VVHA(Leon)
IPS-K-4
rNV VLP
AFCNYH
GNA (EY Lab)
HHA(EY Lab)
Galectin-1
Mouse Galectin-8
DC-ASGPR short
Human Galectin-8
CC1G-1007
Mouse NKR-P1A
Human Galectin-8
MET(detected with a-HUD)
mouse Sialyl-Tn
BTL native
AOL (Matsu Lab)
GS-II (EY Lab)
WGA(Seikagaku)
WGA multimer
LSL-150
LCH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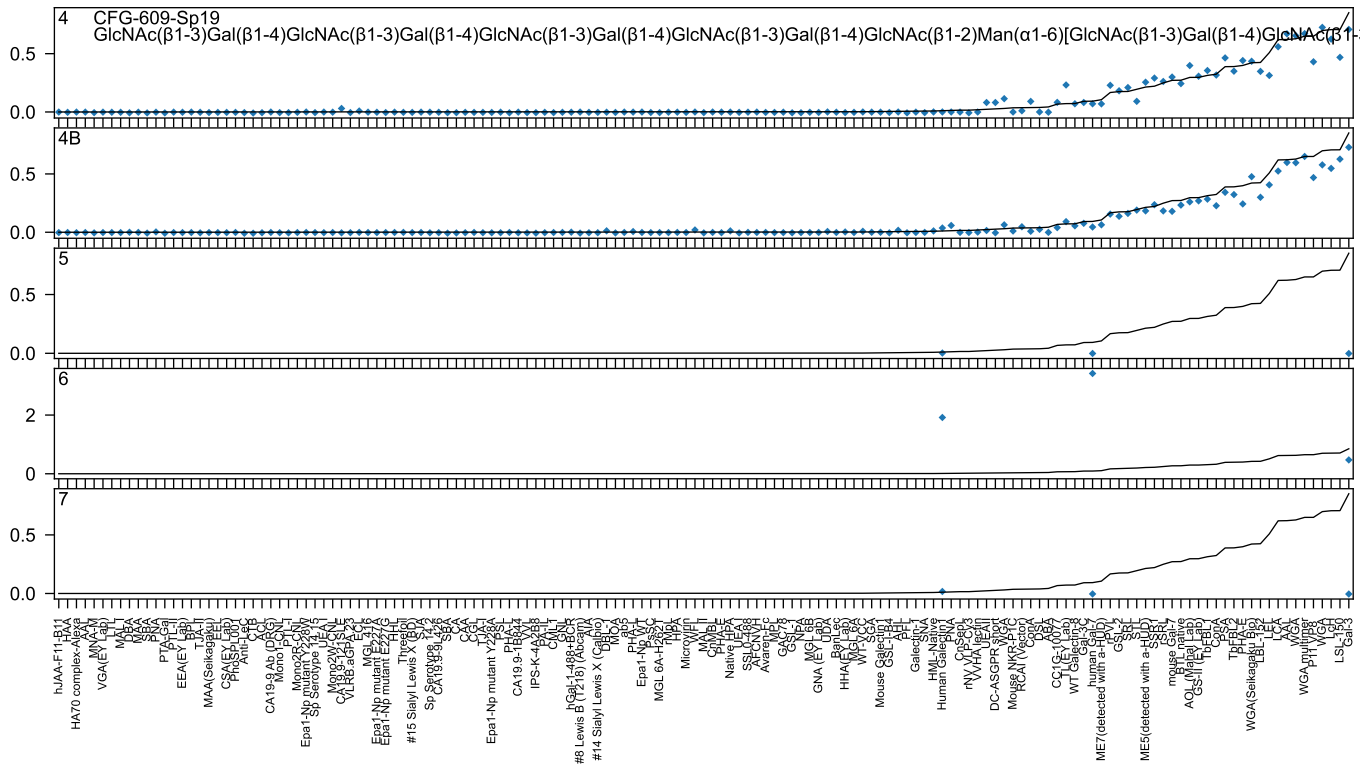
CFG-608-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Ga
4B
5
6
7
0.0
0.5
2
hJAA-F11
BVA
UEA1
ABA
GSL-I-B4
EBA
VGA(EY Lab)
MGL-7
SSL0488
VLRB.aGP
AIA
PTA
Gal
PhoS
GSL-I
Sp Serotype 14
NVX (LP-Ox3
#14 Sialyl Lewis X (Calbiochem)
Mono2W
GNA
GAC-8
MGL-6
#15 Sialyl Lewis A
BPP
Epa1-Np mutant E227G
Epa1-Np mutant
ACONA
Mono1-Y228A
Epa1-Np mutant Y228W
CA19-9 Ab (DRG)
AAL
UEA1
Mouse NK(EY Lab)
CA19-9-1-ISTE
#8 Lewis B (T218) (Abcam)
MGL 6A
Banlec
CNL
DBA
THL
Native HPA
PHA-L
CA19.9-1B842
HPA
PNA
Mono1-PSE
SSL
Microvillin
IPS-K-4
VVA
UEA1
MGL-6
ABA
SSL
hGal-1-488+BCR
PNA
NPA
HHA(EY Lab)
HA70 complex
Sp Serotype 14-13
TPA
PNA
MPL
UDA
ACA
MGL-7
MAL-I
TbFBP-L
Avaren-Fc
WGA(Seikagaku) Bio
SSR1
GNA (EY Lab)
GS-II (EY Lab)
NSA
WGA
MAL-II
DBA
CSA(EY Lab)
CTB
WT-1(DC)
MAA(Seikagaku)
ME7(detected with a-1(DC)
MAA(Seikagaku)
CoNA
HML-Native
DC-A
ME5(detected with a-1(DC)
SVA
PSA
ConA
Mouse Galectin-1
Epa1-Np WT
Galectin-1
WT Galectin-8
VVHA
Galectin-3C
Galectin-3
TAP
human Gal-7
SVL
TL(EY Lab)
CNA(Malpa Lab)
AOL
CnSapo
BTL
ConA
Tbr-BP-L1
Human Gal-7
mouse Gal-7
PNA
PSA
P11
UEA
WGA
WFL
RCAI (Vector)
TCA
LBL
ABA
LSL-180
WGA multimer
Gal-3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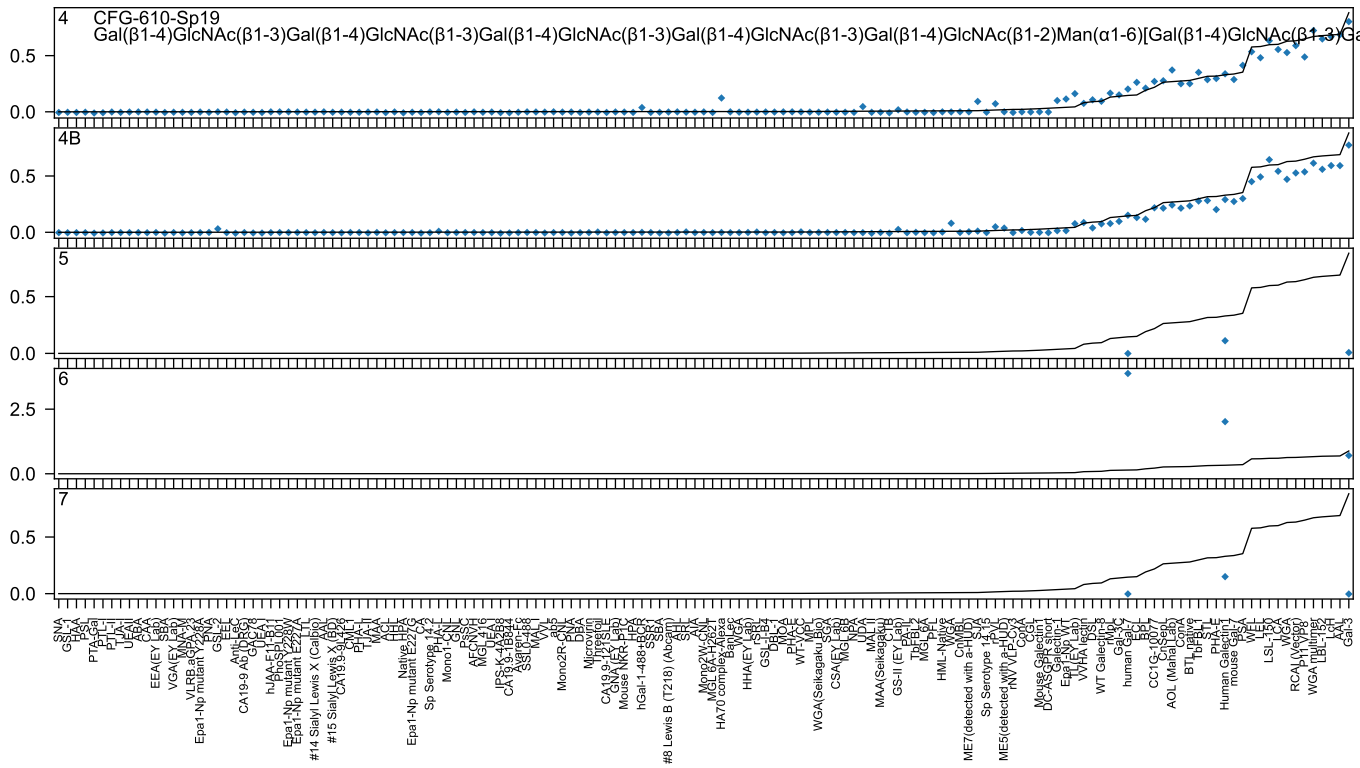
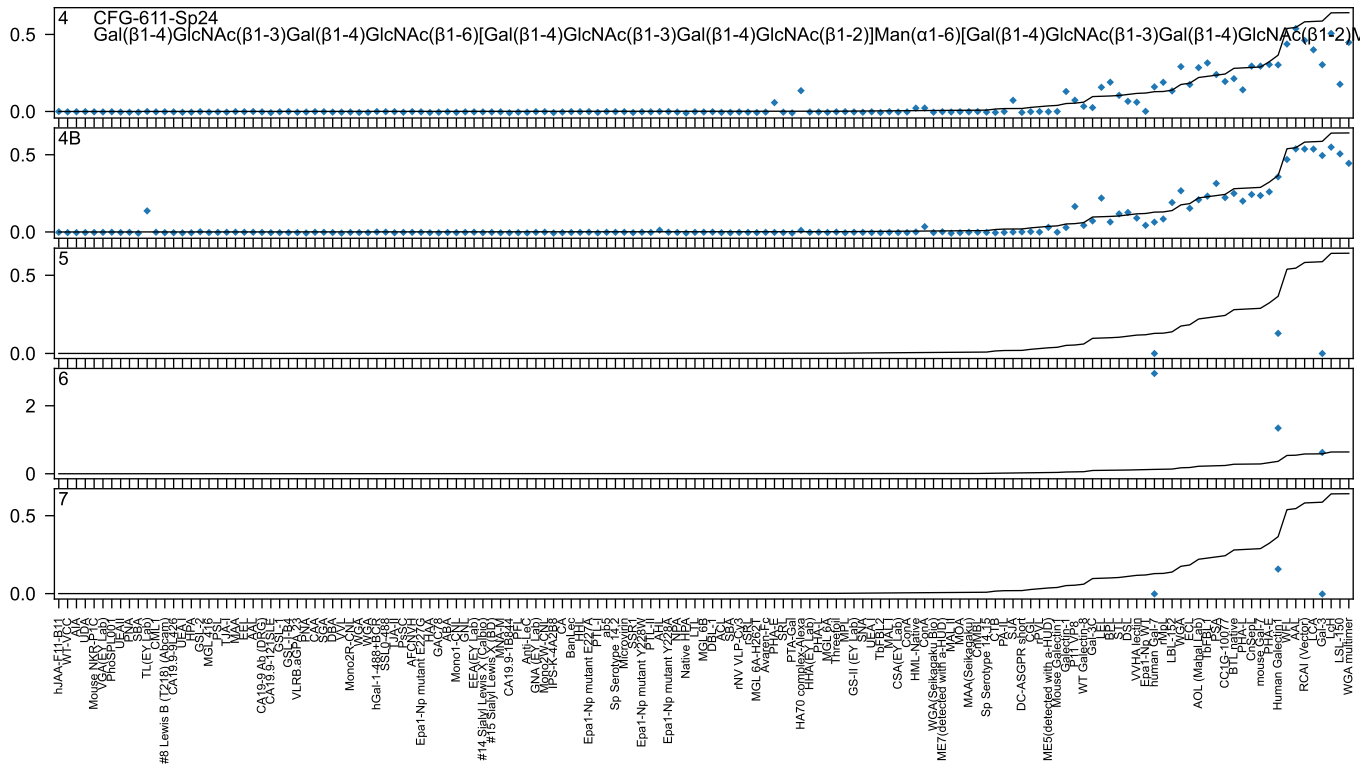
CFG-609-Sp19
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-
4B
5
6
7
0.0
0.5
2
hJAA-F11-B11
HA70 complex-Alexa
VGA(EY Lab)
MAA(Seikagaku)
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
#15 Sialyl Lewis X (BD)
Epa1-Np mutant Y228A
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Gallbio)
Human Galectin-1
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WGA(Seikagaku)
LSL-150
Gal-3


4
CFG-610-Sp19
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Ga
4B
5
6
7
0.0
0.5
2.5
SNA
GSL-I
PAA
PNA
PTA-Gal
PTL-I
UEA-I
UEA
CAA
LEA
EEA(EY Lab)
VGA(EY Lab)
VLRB.a(PA)
Epa1-Np mutant Y228A
GSL-II
PEC
Anti-Tn (DRG)
CA19-9 Ab (DRG)
GDEA1
hJAA-F11_B11
hJAA-F11_B01
Epa1-Np mutant Y228W
Epa1-Np mutant E227A
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X (BD)
CA19.9-a126
PTA-I
TJA-I
TJA-II
ACL
HPA
Native HPA
Epa1-Np mutant E227G
Sp Serotype 14 2
PHA-E
Mono-1-PHA-L
GNL
ACG
AFCRSH
MGL 416
IPS-K-47-2B9
CA19.9-1B844
SSA (P-188)
MAL
Mono2R-PNA
abs
DBA
Microvorin
Urtelin
CA19.9-12-FSLE
CA19.9-1-FSLE
Mouse NKR-P1C
hGal-1-488+DTT
SSA81
#8 Lewis B (T218) (Abcam)
ASI
AIA
Mono2W-PCOT
MOR-Alexa
HA70 complex-Alexa
BanLec
HHA(EY Lab)
GSL-I-B4
DSL-I
PHA-E
WT-PHA-E
WGA(Seikagaku Biol)
CSA(EY Lab)
MGL-488
UDA
MALI
MAA(Seikagaku)
CTB
GS-II (EY Lab)
ThPBL2
MOR
PEL
HML-Native
CONA
CONBR
ME7(detected with a-HUD)
ME5(detected with a-HUD)
Sp Serotype 14 15
NV VLP-CX3
CGL
Mouse Galectin1
DO-Asialofetuin
Galectin-1
Epa1 (EY Lab)
VVHA lectin
WT Galectin-8
MOR
Gal-7
human Gal-7
EPL
CC1G-10077
AOL (Malaria Lab)
ConA
BTL
TcPBL1
PHA-L
Human Galectin1
mouse Gal-1
WEL
LSL-150
WGA
RCA (Vector)
WGA (Vector)
LBL-152
AAL
Gal-3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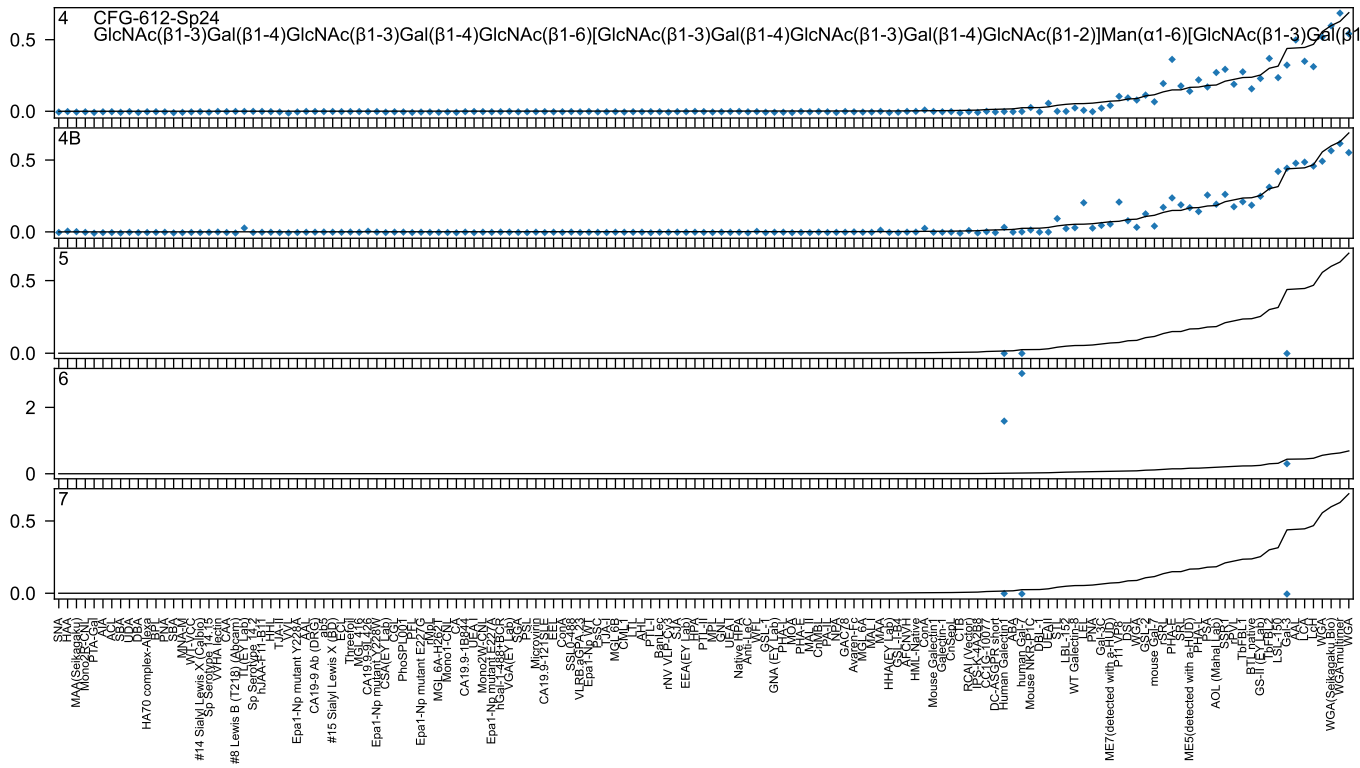
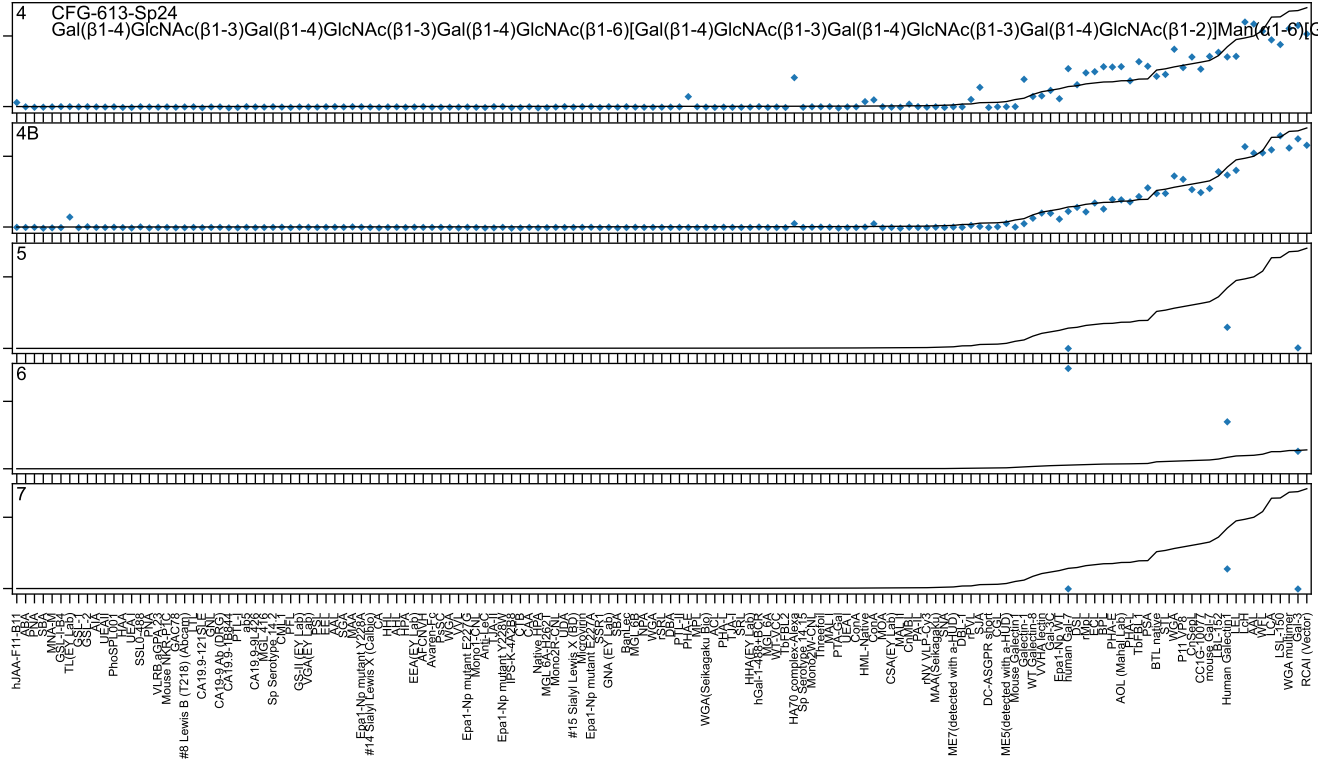
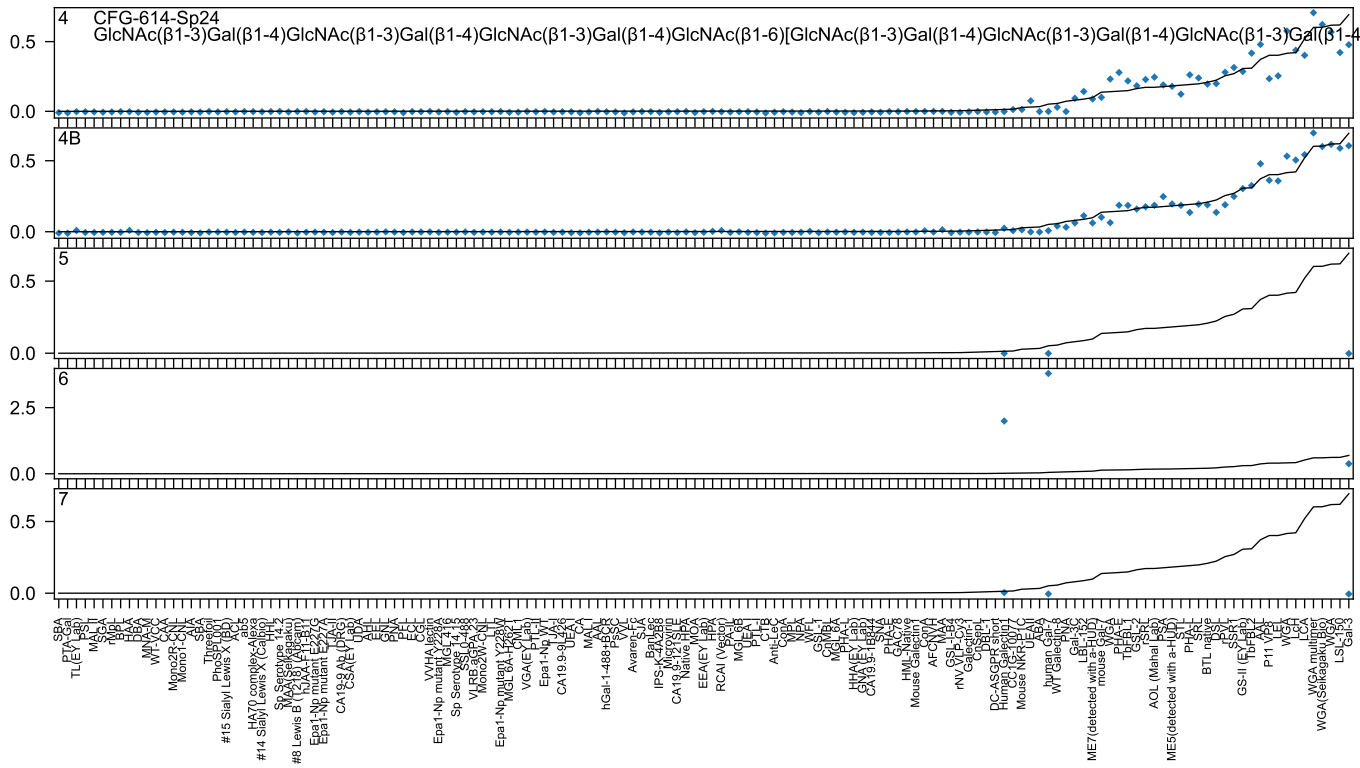
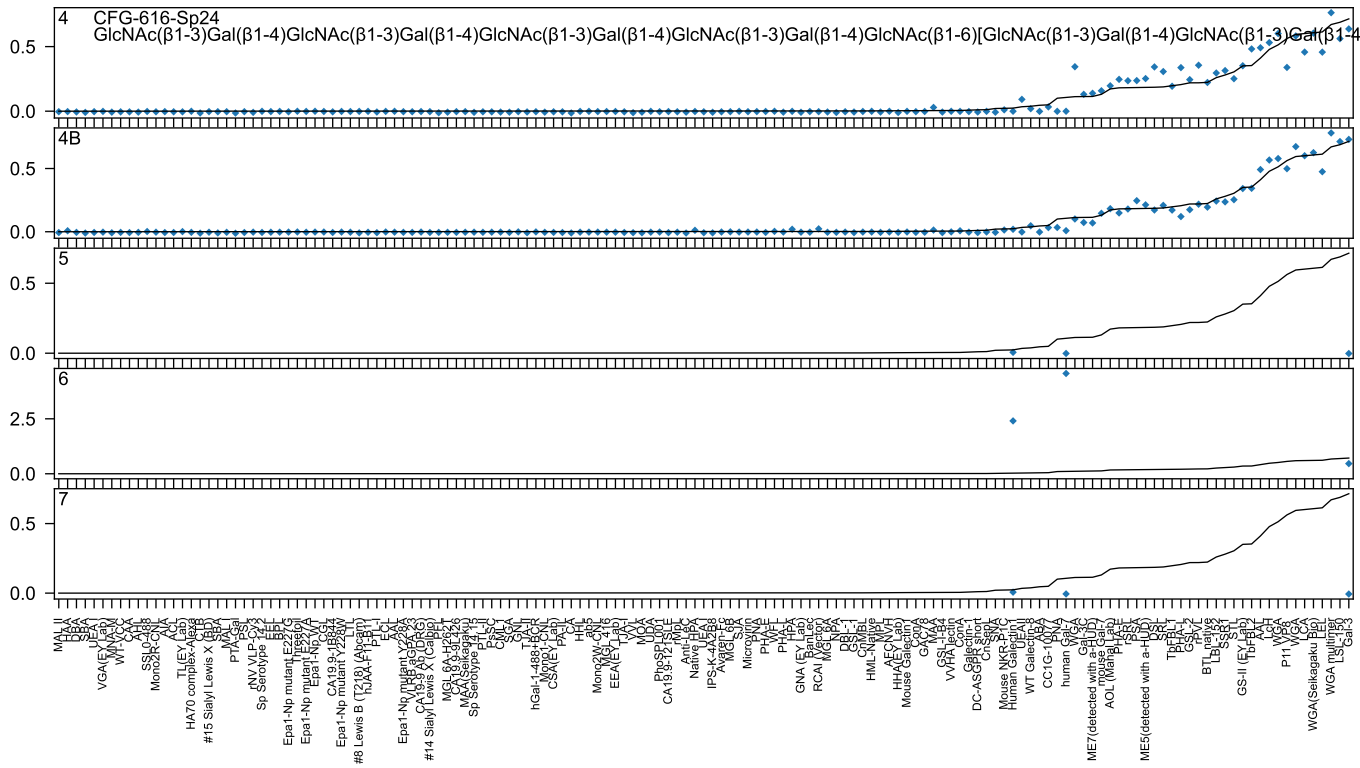
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)M
4B
5
6
7
0.5
0.0
2
0
hJAA-F11-B11
WT-Lectin
AAA
Mouse NKR-P1C
VGA(EY Lab)
PhoSL
UEAI
SBA
TL(EY Lab)
#8 Lewis B (T218) (Apath)
CA19.9-1-426
UEA
HPA
GSL-I-B
MGL-1-8
PSL
WFA
EEL
CA19-9 Ab (PRO)
CA19.9-1-23
SLE
GSL-I-B4
VLRB.aGP
PNA2
CAA
DBA
PGA
XVI
Mono2R-VGA
VGA
hGal-1-488
SSL2-488
PAA
AFCYH
Epa1-Np mutant E2
ACA
GAL8
ABA
Mono1-CNL
EEA(EY Lab)
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis A (Calbio)
CA19.9-18844
Anti-LeC
GNA (EY Lab)
MPL-K-4A288
Bandeiraea
Epa1-Np mutant E2-L7
Epa1-Np mutant Y-22
Sp Serotype 4
Microvirin
Epa1-Np mutant Y-22
PTL-II
Epa1-Np mutant Y-22
Native NEA
LTA
MGL
DSL
ACL
rNV VLP-Sp3
MGL 6A-HSA
Avaegin-Fc
PHA-E
PTA-Gal
HA70 conjugate-Alexa
THA-Lectin
PhA-L
Mistletoe
MPL
GS-II (EY Lab)
SNA
TxB
UEA-I
MALI
CSA(EY Lab)
HML-Native
WGA(Seikagaku Biio)
ME7(detected with a+HUD)
MoDA
MAA(Seikagaku)
Sp Serotype 14-15
CIE
PALI
SUA
DC-ASGPR
SGL
ME5(detected with a+HUD)
Mouse Galectin1
GalectinPa
WT Galectin-8
Galectin-3
EEL
BPL
DSL
VVH-Lectin
Human Gal-7
LBL-1B2
VGA
ELA
AOL (Mabgal Lab)
TbB-B4
CCG-10077
BTL-Native
CnSep1
mouse PhA-E
PhA-E
Human Galectin1
AAL
RCAI (Vector)
Gal-3
LSL-150
WGA multimer


4 CFG-612-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[GlcNAc(β1-3)Gal(β1
4B
5
6
7
0.0
0.5
2


4 CFG-613-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)]Man(α1-6)[G
4B
5
6
7
0.0
0.5
2.5
hJAA-F11-B1
PNA
PNA
MNA-M
GSL-I-B4
TL(EY Lab)
GSL-I
GS-IV
AJL2
PhoSPL(EY Lab)
UEA-I
SSL(EY Lab)
PWA
VLRB.aCD2-2
Mouse MGL
GAC78
#8 Lewis B (T218) (Abcam)
CA19.9-121-SLE
CA19.9
CA19.9-1B44
CA19.9 Ab (R&D)
a55
CA19.9 Ab (Abcam)
WGA
Sp Serotype 14.2
CVN
MPL
GSL-I(EY Lab)
VGA(EY Lab)
BSI
EEL
ECA
SGA
MGA
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant Y262A
HHL
ABL
EEA(EY Lab)
Anti-CEACAM1
Anti-LeC
Epa1-Np mutant E227G
Epa1-Np mutant Y262A
PSA-K-47-288
CA19.9
CA19
Native HPA
MGL-1-2-2
MonoZR-CORL
#15 Sialyl Lewis X (BD)
Microvirin
Epa1-Np mutant E227A
GNA (EY Lab)
Bat-Sec
Bat-Sec
MGL-BB
WGA
GSA
GSL-I
PTL-II
PHA-E
WGA(Seikagaku Bio)
PHA-L
TJA-I
SJA
HHA(EY Lab)
hGal-1-4(R&D)
RCA
WT-CCC
HA70 complex-Alexa
Sp Serotype 14.15
Monoclonal Anti-Lewis Y
Angiopoietin-1
MAL
PTA
UEA-I
Native
HML-Native
CGA
CSA(EY Lab)
OAA
OAA
CPA
MAA(Seikagaku Bio)
NV-VVL-CC-03
MAA(Seikagaku Bio)
SNA
ME7(detected with a-HUD)
PSA
FSVL
DC-ASGPR sport
ME5(detected with a-HUD)
Mouse Galectin1
Galectin-8
WT-Galectin-1
VVHA (ctrl)
Epa1-Np WT
human Galectin-7
rMGL
EPP
PHA-E
AOL (Man)
HHL
TbFBL
BTL
BTL native
WSL
P11-VP8
CC1G-10074
mouse Galectin-7
Human Galectin-1
LEL
KAA
VVL
ISL-150
WGA multimer
Galectin-3
RCAI (Vector)


4
CFG-614-Sp24
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4
4B
5
6
7
0.0
0.5
2.5
SPA
SBA
PTA
TL(EY Lab)
MAL I
SNA
RCA
BPL
UEA
MNA-M
WT-CVX
Mono2R-CNL
Mono1-CNL
APA
SBA
Thrombin
PhoSP (001)
#15 Sialyl Lewis X (Ab)
acb
HA70 complex-Caliciva
#14 Sialyl Lewis X-Caliciva
HPA
Sp Serotype 14
MAA(Seikagaku)
#8 Lewis B (2,3,4-Fuc-Bn)
Epa1-Np mutant E227G
Epa1-Np mutant E227A
CA19-9 Ab (PRG)
CSA(EY Lab)
DBA
ABA
AIL
GNL
PNA
ECL
ECA
VVHA (Iodin
Epa1-Np mutant Y228A
Epa1-Np mutant Y228F
Sp Serotype 14 18
VLRB-Sp-4488
Mono2W-CNL
Epa1-Np mutant Y228W
MGL 6A-Human
PNA2
VGA(EY Lab)
Epa1-Np WT
JAC
CA19.9-Human
UEA1
LCA
MAL
hGal-1-488
PSA
PVL
Avarem-LK
Banlec
IPS-Kochumon
CA19.9-125 SLE
Native MGA
EEA(EY Lab)
RCAI (Vector)
MGL-Gal
MGL-GalNAc
UEA
PCA
CTB
Ann-Lec
CWA
WFA
NPA
GSL I
GSL II
MGL 8A
PHA-L
HHA(EY Lab)
CA19.9-Human
CA19.9-1-BSA
PHA-E
PHA-P
HML-Carrier
Mouse Galectin1
AF-CVN
rNV VP-Cy3
GSL MAA
rNV VP-Cy5
Galectin1
DBL1
DC-ASGPR
Human Galectin1
CC Kiera 1007
Mouse NK-1
UEAII
GAA
human Gal-8
WT Galectin-8
Gal-3C
LBL-162
ME7(detected with LBL-162
mouse Gal-7
WGE
TbFBL1
GSL
SRL
TbFBL2
P11
VPE
VGEL
LCH
WGA mutant
LCA
WGA(Seikagaku) (Bio)
LSL-150
Gal-3
ME5(detected with a-HUD)
AOL (Mahal Lab)
BTL native
PVL
GS-II (EY Lab)
Gal-1
P11
VPE
VGEL
LCH
WGA mutant
LCA
WGA(Seikagaku) (Bio)
LSL-150
Gal-3

4
CFG-615-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc
4B
5
6
7
0.0
0.5
2.5
SNA
SVA
GSL-I-B4
PNA
TL(EY Lab)
UEA-I
ABA
SBA
SSLO
PhoSL
PhoSL-001
GSL-2
Epa1-Np mutant Y228A
CA19.9 Ab (Calbiochem)
HPA
MGL-1.416
VGA
hJAA-F11-B11
Avarol
MNA-M
#14 Sialyl Lewis X (Calbiochem)
CA19-9 Ab (DRG)
GAL
VLRB.aGPC.2
Epa1-Np mutant E227G
Mouse2R-CNA1
SAA
CA19.9-121 SAA
SC Serotype 14.2
#8 Lewis B (T218) (Abcam)
Mouse NK-P-PC
IPS-K-4-2BB
#15 Sialyl Lewis X (BD)
CNL
GSL-I
AFCN
Epa1-Np mutant Y228A
Epa1-Np mutant Y228A
LAA
Mono p-NT
IVL
CPA
UEA-I
PFL
Sialo
Microvillin
EEL
MGL 6A-HRP
PTA
BanLec
EEA(EY Lab)
GNL
abo
Anti-I (EY Lab)
GS-II (EY Lab)
ACL
MAL-1
SSA
SSL
MGL-1
Mincle
SRL
HHA(EY Lab)
GNA(EY Lab)
UDA
hGal-1-488+SBA
SBA
DBA
Mono2W-RCA
MAA
WGA(Seikagaku Bio)
MPL
Sp Serotype 14.2
RCA
CoA
PHA-L
HA70 complex-Alexa
Native HPA
HPA
MCA
ThBL2
HML-WGA
WGA
PAL
PAA
ConA
ME7(detected with a-PUD)
MAA(EY Lab)
MAA(Vector Lab)
ME5(detected with a-PUD)
DC-ASGPR stock
PCA
DBL-1
PVA
Mouse Galectin1
Galectin-8
WT Galectin-1
E66Q LNG WT
VVH-Gal-3C
human Gal-7
mouse Gal-7
AOL (Maha Lab)
ThBL-1
PSA
PSL
BTL native
EC
CC1G-1007
CC1G-1007
SAL
SAL
VGA
Human Galectin-1
LCA
P11
VSA
LBL-1B2
WGA
WGA multimer
RCA (Vector)
Gal-3
LSL-150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CFG-616-Sp24
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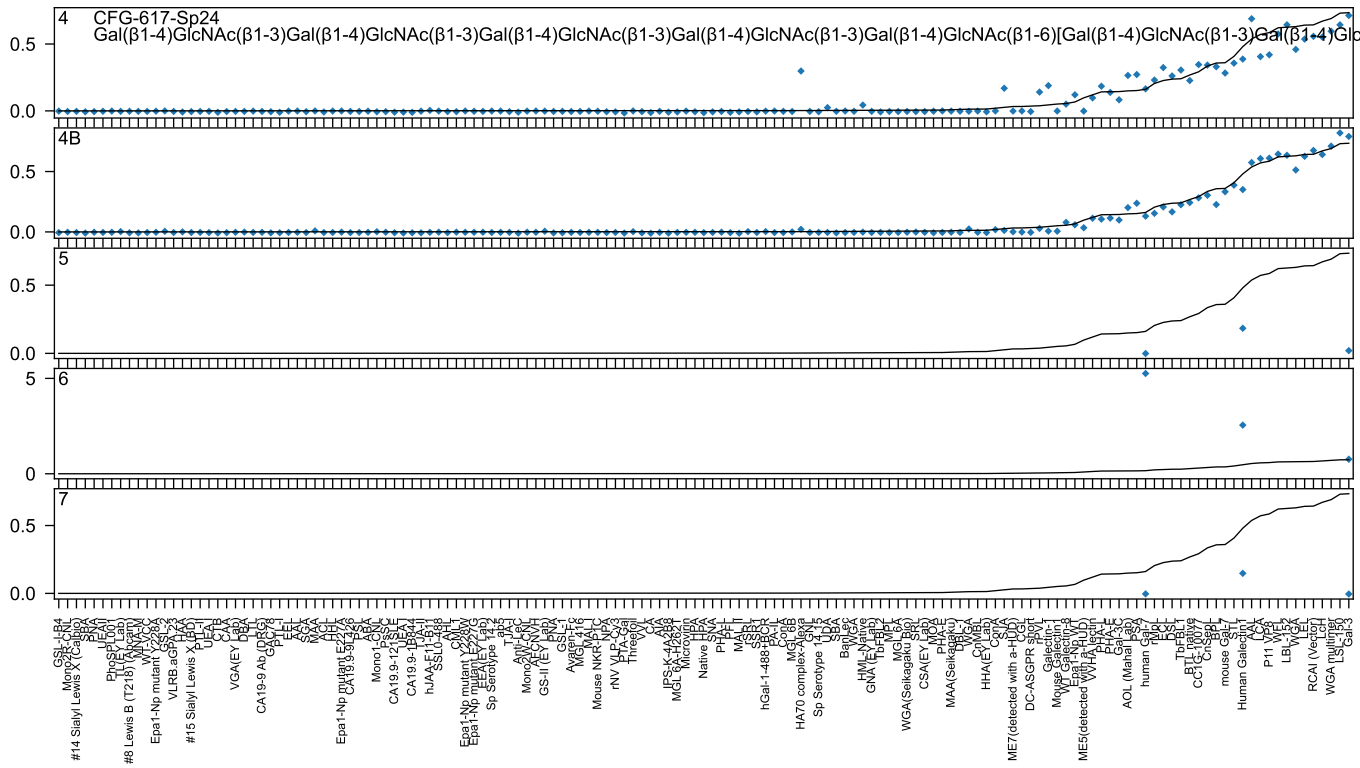
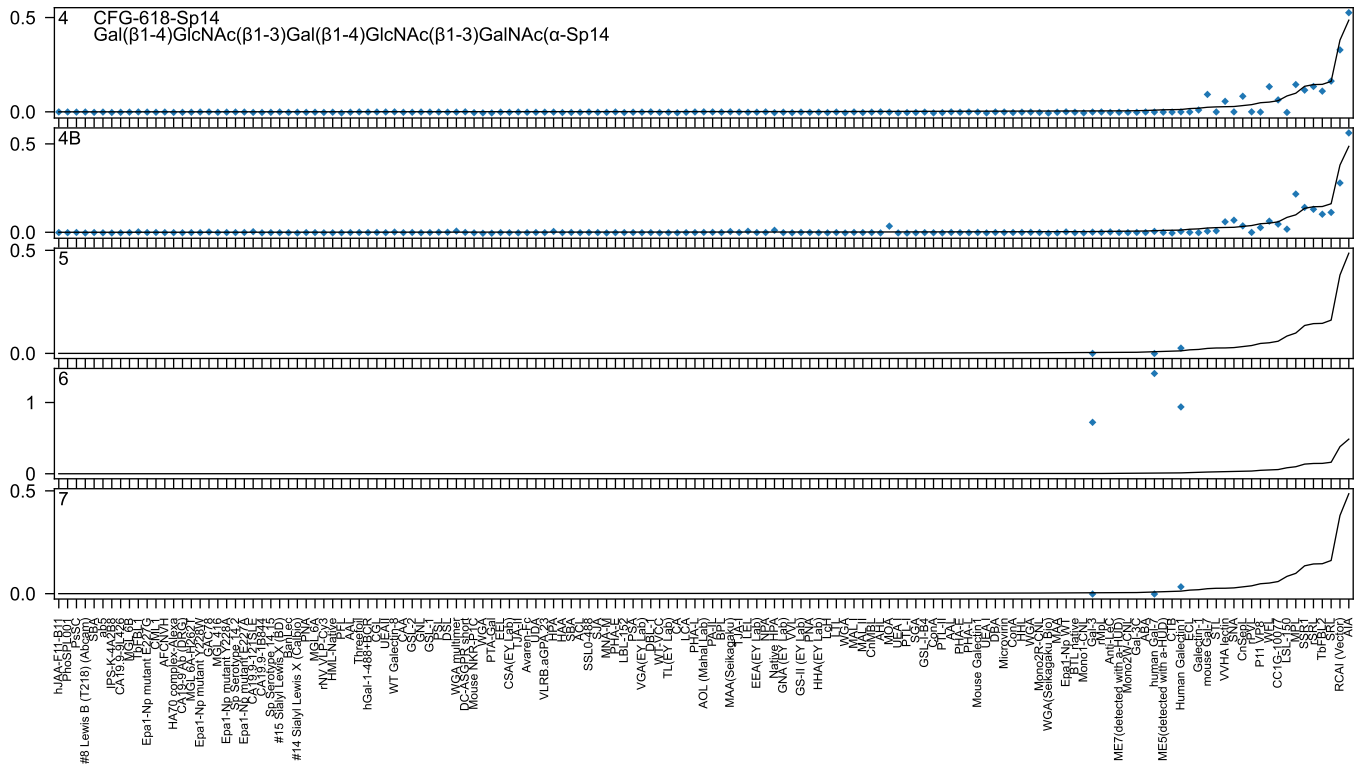
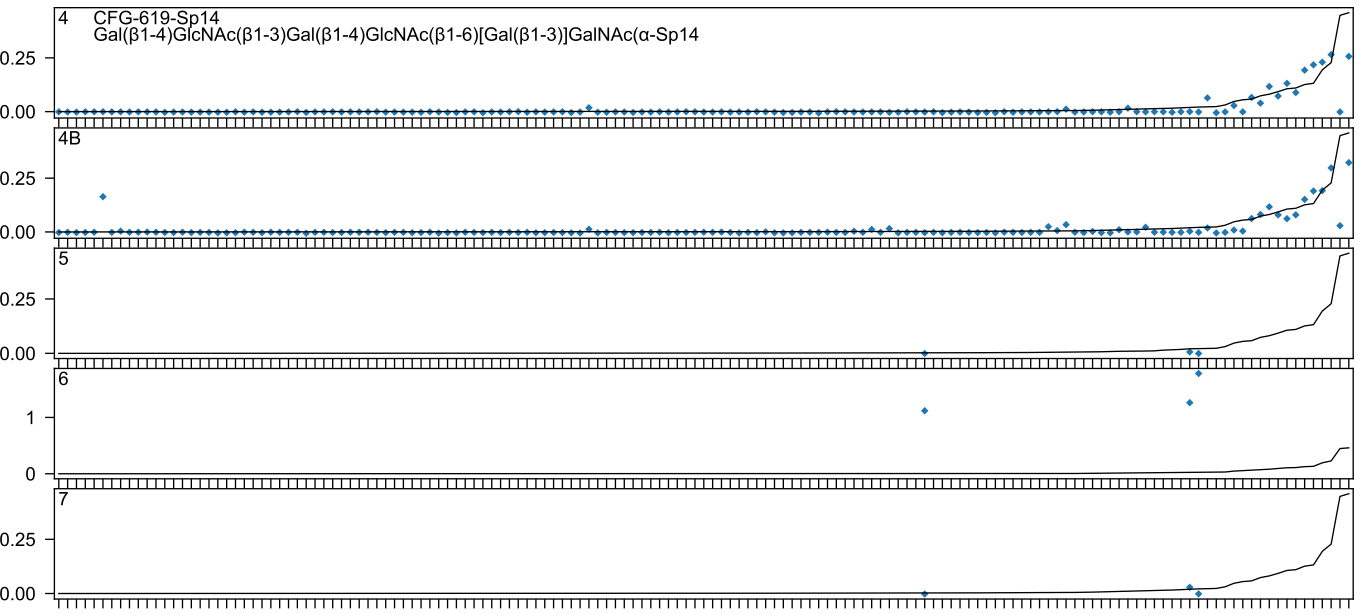
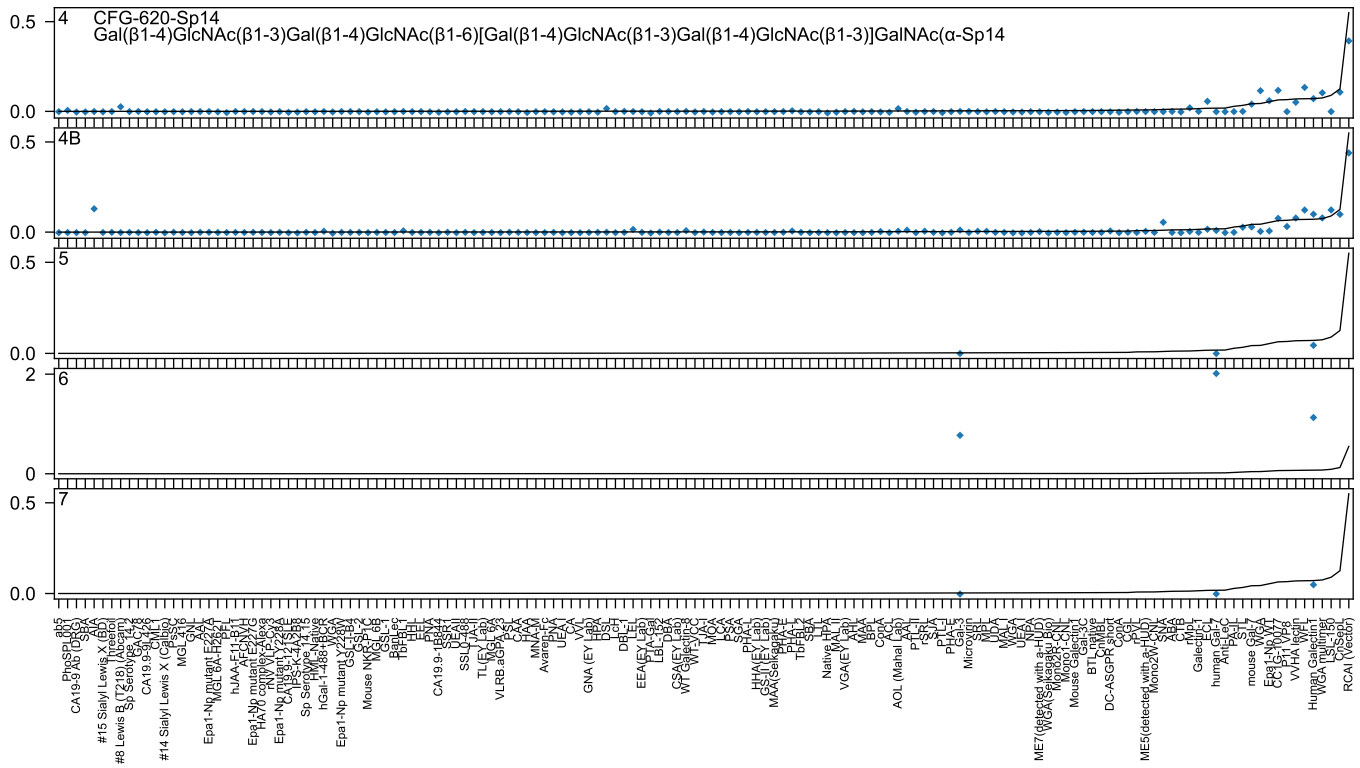
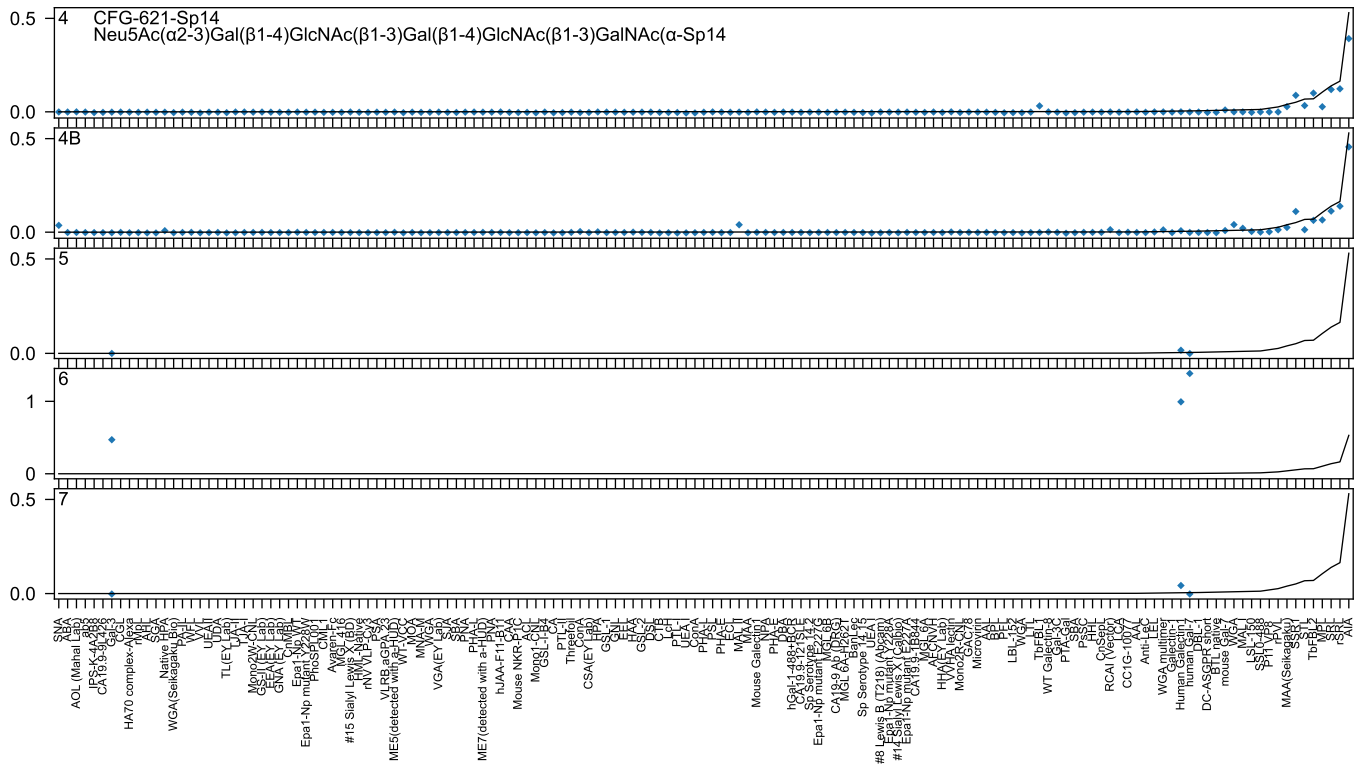
4B
5
6
7
0.0
0.5
2.5
MAL II
MAL I
DBA
PNA
UEA I
VGA(EY Lab)
WFA
WGA
CAA
SSL-28
SSL-8
Mono2R-CNL
ACL
TL(EY Lab)
HA70 complex-Alexa
#15 Sialyl Lewis x
LTB
SBA
MAL
PTA
PSL
rNV VP1
Sp Serotype 1-2-3
EBT
Epa1-Np mutant E227G
Epa1-Np mutant Y228V
Epa1-Np mutant Y228W
CA19.9-18B34
Epa1-Np mutant Y228A
#8 Lewis B [T218] (Abcam)
hJAX-F1
F-B11
FCL
Epa1-Np mutant Y228F
CA19.9-1116NS19-9
CA19.9-C126
#14 Sialyl Lewis x (Calbiochem)
MGL 6A-HEPT
CA19.9-C126
MAA(Seikagaku)
Sp Serotype 1-2-3
PH-1
CNL
SGA
TJA-I
hGal-1 488-BOR
CSA(EY Lab)
PAL
HHL
Mono2W-CNL
MGL 416
EEA(EY Lab)
TJA-II
WGA
UDA
PhoSL
CA19.9-21BS
Anti-Lewis b
Anti-Lewis y
Native DPA
IPS-K-44-E8
Avidin-Fc
MGL 1-3
Microvin
PHA-E
WFL
PHA-L
HPA
GNA (EY Lab)
RCA I
Macro
MGL 1-4
NPA
DBL-1
CnMBL
HML-Neuve
AEC(NVH)
HHA-Neuve
Mouse Galectin-1
CorA
GNA
MAA
GSL I-B4
VVA
Galectin-1
DC-ASGPR
Galectin-3
ChSec
Mouse NKR-P1C
Human Galectin-1
WT Galectin-8
CC1G-10A
PNA
human Gal-3
ME7(detected with Gal-3)
mouse Gal-7
AOL (Malbio Lab)
PSL
SBL
ME5(detected with a-HUD)
DSL
TbFBL-1
PHA-L
GNA
SVC
BTL
Lectinex
SSA
GS-II (EY Lab)
TbFBL-2
NCL
CCH
P11
VGA
WGA
WGA(Seikagaku Bio)
LEL
WGA (nullin)
Gal-3

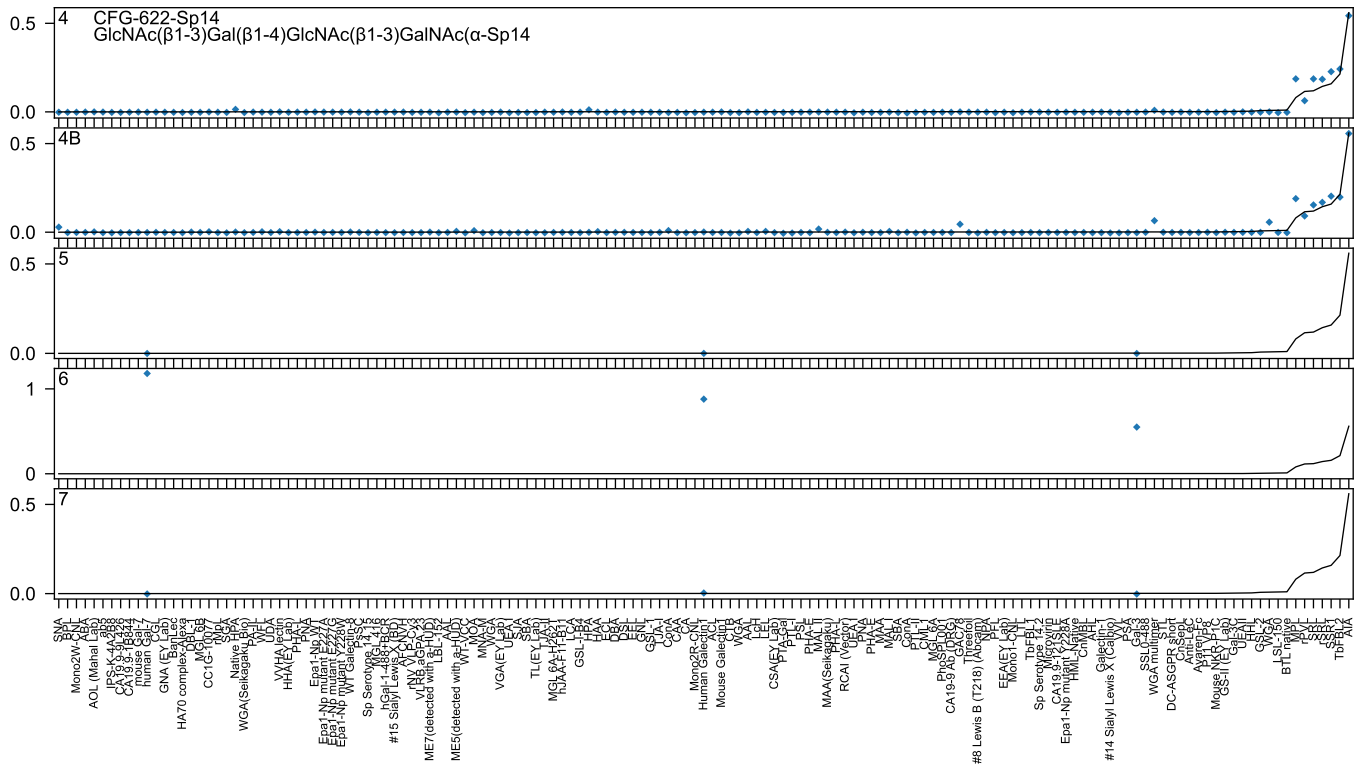

4
CFG-617-Sp24
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)Glc
4B
5
6
7
0.5
0.0
0
GSL-I-B4
Mono-Sialyl Lewis X(Calbio)
GSL-I-A4
#14 Sialyl Lewis X(Calbio)
PNA
BPA
PhoSL
LEA
#8 Lewis B (T2/18) (Oxford)
LTA(EY Lab)
WT-VCC
Epa1-Np mutant
GSL-I-B4
VLRB.aGPA.23
#15 Sialyl Lewis X (BD)
UEA-I
CTB
CAA
VGA(EY Lab)
DBA
CA19-9 Ab (DRG)
GAL8
PTA
EEL
SAA
MAA
ACA
LCH
Epa1-Np mutant
CA19.9-1E2
PSA
ABA
Mono1-Gal
PSSC
CA19.9-12-DEAE
CA19.9- 1B44
hJAA-F11-B11
SSL0-488
AAL
COLT
Epa1-Np mutant
Epa1-Np mutant
EEA(EY Lab)
Sp Serotype 14-15
Sp Serotype 1-15
TJA-I
TJA-II
Mono2-Glc
AIA(EY Lab)
GS-II (EY Lab)
BPL
BNA
GSL-I
Avaglu
MGL-416
MGL-1
Mouse NKR-P1C
nNV VLP
NPA
PTA-Gal
Threo/Ery
VVA
CA
IPS-K-4A288
MGL-RA-H2621
Microcystin
LPA
Native STA
STA
PHA-E
MAL-II
SSA
hGal-1-488
PCSA
CA-I
MGL-B8
HA70 complex-Alexa
Sp Serotype 1-15
SBA
Banlec
HML-Native
GNA (EY Lab)
MPL
MGL
WGA(Seikagaku)
SRL
CSA(EY Lab)
MOA
MAA(Seikagaku)
PHA-L
DBL(EY Lab)
CoMA
HHA(EY Lab)
CVA
ME7(detected with a-HUD)
DC-ASGPR sigt
PNL
Galectin1
Mouse Galectin1
Mouse Galectin3
ME5(detected with a-HUD)
VVH-A
PHA-P
PHA-E
CA-II
AOL (Mahal Lab)
human Gal-7
human Gal-4
human Gal-8
DSL
TxB
BTL
CCTG-100/9
Chicken Gal-1
mouse Gal-7
Human Galectin-1
AAL
PA-IL
P11
VCA
LBL
VIA
WGA
RCA
RCAI (Vector)
LCH
WGA (Vector)
ISL (Vector)
Gal-3

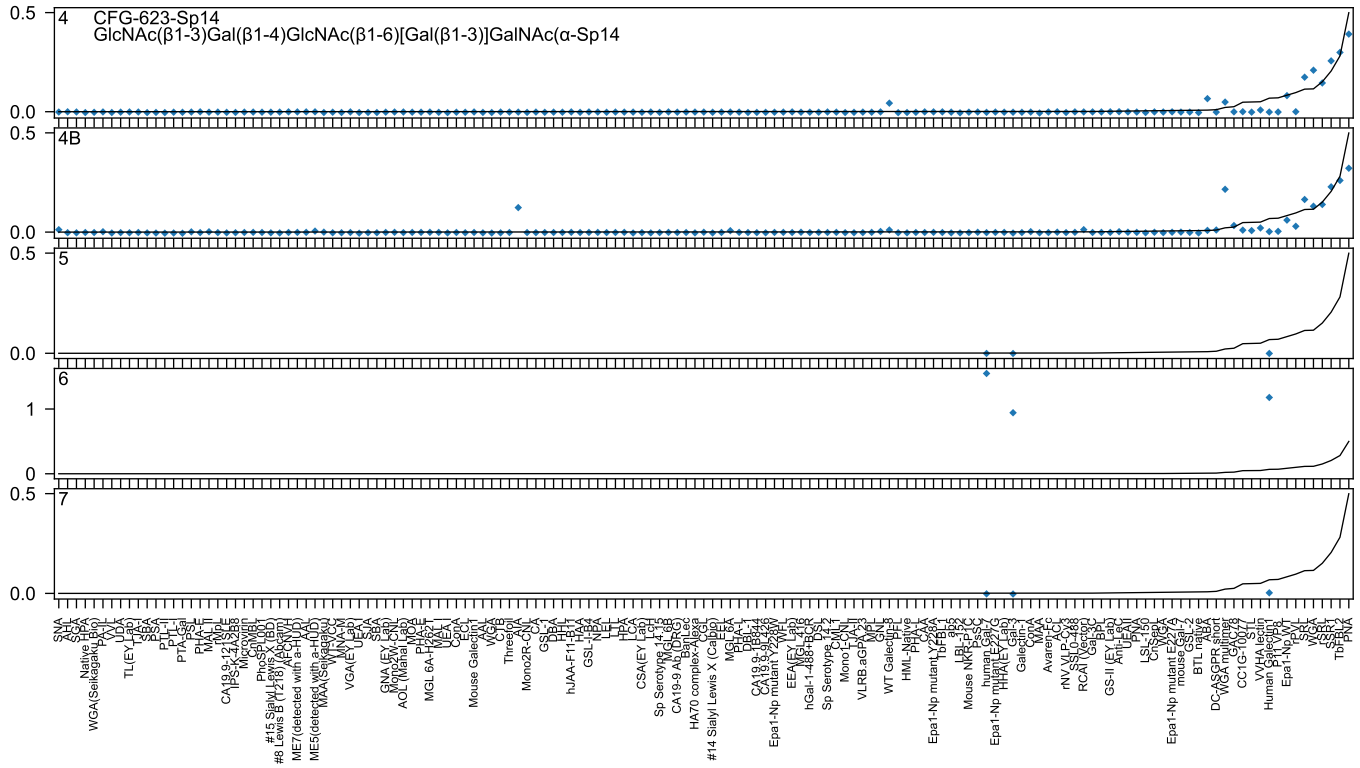

4
CFG-618-Sp14
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
h-MAF-11-B11
PAC-Sp1-D1
FcSC
#8 Lewis B (T218) (Abcam)
SBA
JPS-K-44-2
CAT9-9-1498
WGA
Epa1-Np mutant E227G
AFCNW1
HA70 complex-Alexa
CAT9-9-1844
MGL 6A (HP267)
Epa1-Np mutant C228W
MGL 416
Epa1-Np mutant 228-2
Epa1-Np mutant E227A
Epa1-Np mutant E227S
CAT9-9-1845
#15 Sialyl Lewis X
Sp Sarcoma 7415
#14 Sialyl Lewis X (Carbo)
Bam Lec
MGL 6A
rNV-1-Native
HML-Native
PSL
Thrombin
hGal-1-488+BCR
UEA1
WT Galectin-3
GSL-I
GSL-I-2
GSL-II
PSL
WGA multimer
DC-ASGPR
Mouse KRR sprot
PTA
WGA
Eel
CSA(EY Lab)
Avarey-Fc
VLRB.aGP
LTA
SBA
SBA
ACA
SSL0.28
SJA
MNA-M
LBL-152
VGA(EY Lab)
WT DBL1
TL(EY Lab)
LCA
PHA-L
AOL (Mahal Lab)
BPL
MAA(Seikagaku)
ACL
LEL
EEA(EY Lab)
NPA
Native
GNA (EY Lab)
VVL
GS-II (EY Lab)
HHA(EY Lab)
LCA
WGA
MAL-I
CNBL
MOA
PFL
SGA
GSL-I-B4
ConA
PNA
PHA-E
Mouse Galectin-1
UEA1
Microvirin
ConA
VGA
Mono2KL-CNL
WGA(Seikagaku)
MAA
Epa1-Native
Mono1-CNL
Napi
Anti-HIV
Mono2N-CNL
Galectin-8
human Galectin-7
ME7(detected with a-HUTB)
ME5(detected with a-HUTB)
Human Galectin-1
Galectin-1
mouse Galectin-7
VVHA lectin
CnSA
PSA
P11
WFL
CC1G10177
LSL10177
MPL
SSBL
TbFBL2
RCAI (Vector)
AIA

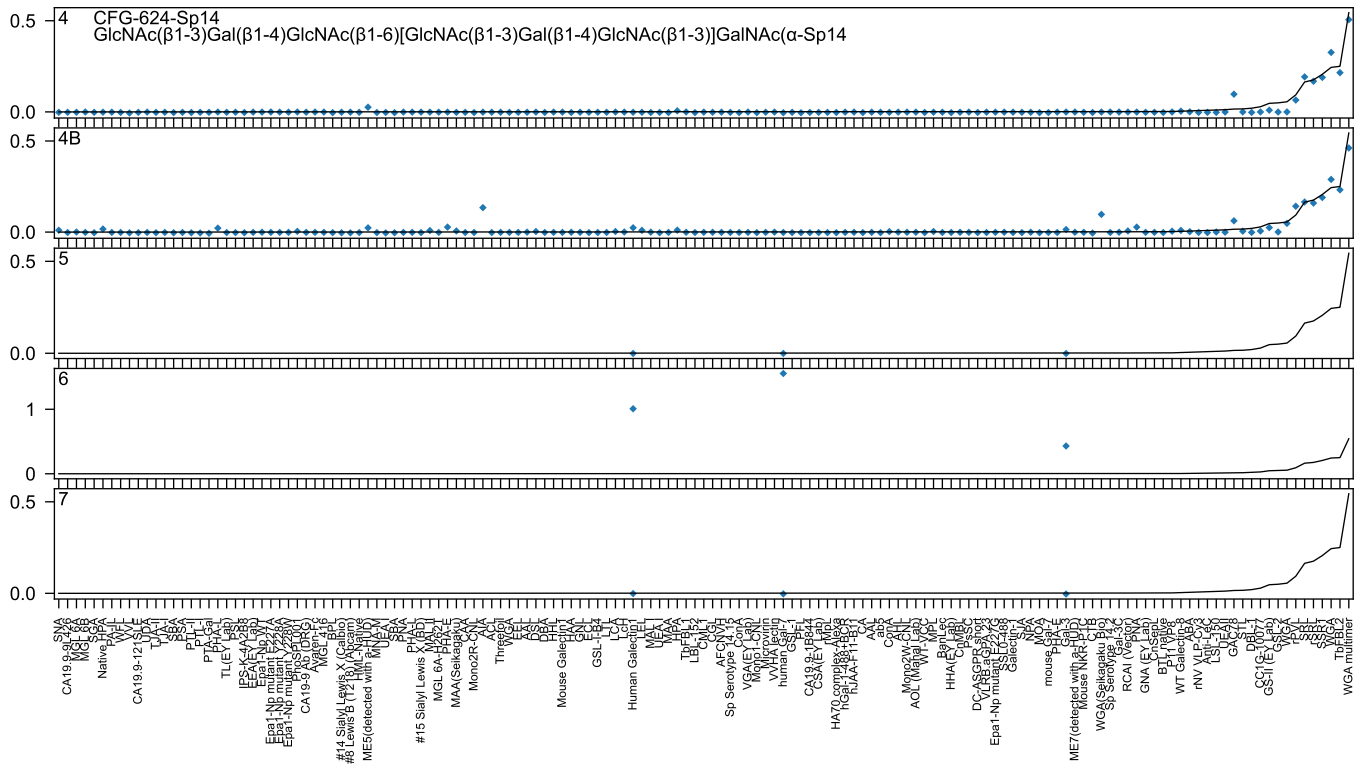

4
CFG-619-Sp14
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
1
0
PhoSPI 001
PNA
#15 Sialyl Lewis X (BD)
HA/0 complex
MGL 6A
AA
Thrombin
GAC/9
hJAA-F11 Ab1
PsaC
MGL 6A-Hexa
PTX
Mouse NKR-P1C
CA19-9 Ab (DRG)
Sp Serotype 8, 14, 15
CA19.9 - 21 SLE
CA19.9 (Calbiochem)
#8 Lewis B (CA218) (Calbiochem)
GSL-I
hGal-1 48-Native
HMC-Native
MGL SBA
Sp Serotype 14, 2
WGA
EEL
Epa1-Np mutant E227CS
CSA(EY Lab)
CnMBP
GSL-IB4
IPS-K4A258
GSL-I
CA19.9-18B44
Epa1-Np mutant Y228A
#14 Sialyl Lewis X (Calbio)
rNV VP1
UEA I
AFCS
PSL
MVN
SSL7-488
TL(EY Lab)
HPA
205
VLRB.aGPA 23
MAL
LCA
WT Galectin-1
PSA
MAA(Seikagaku)
VGA(EY Lab)
SSA
LBL
ECA
PHA-L
TJA-I
CA
AOL (Mahal Lab)
PNA
Epa1-Np mutant Y228A
PAA-II
GNA (EY Lab)
EEL
DSL
PHA-E
PNL
PAL
PTL-I
HHA(EY Lab)
EEA(EY Lab)
Native PBA
GS-II (EY Lab)
Microvirin
MAH
MPL
MOA
PHA-L
PHA-E
PHA-P
Gp2
UEA I
Gal-3C
Mono1-DRA
MAL II
WGA(Seikagaku)
ME7(detected with PBP)
Mono2-CRA
Mouse Galectin1
DC-ASGPR CRD
Epa1-Np mutant E227A
Mono1-WGN
Mono2-WGN
Avarol-LC
ME5(detected with a+PBP)
CTB
BT-native
Anti-ABO
ABA
NPA
BPL
LSL-150
Galectin-1
Human Galectin-7
human Gal-7
PTA
GCA
DBL-1
mouse Gal-7
CCL6-10077
VVHA (ESR)
Epa1-Np
WT
CnSepl
SSBT
TbPBL2
P11
VP6
RCAI (Vector)

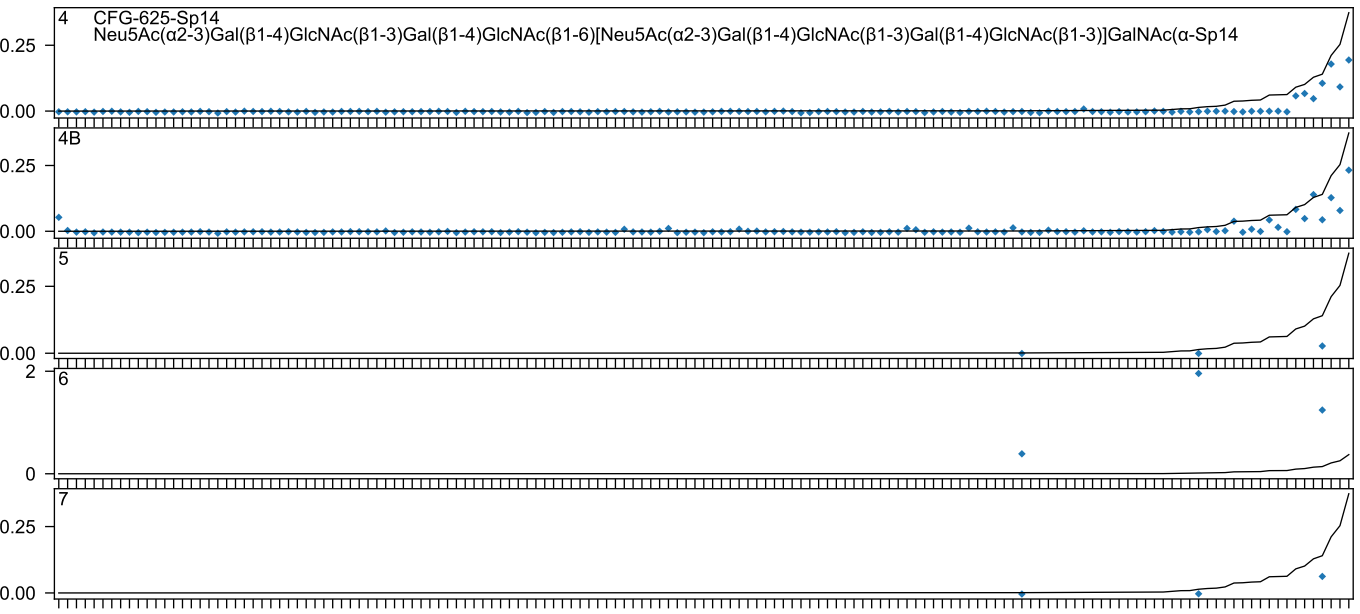

4
CFG-620-Sp14
Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
2
0
PhoSPL
805
CA19-9 Ab (DSG)
SIA
#15 Sialyl Lewis X (BD)
#8 Lewis B (T218) (Abcam)
Sp Serotype 6
CA19.9-Sp1/2/78
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E222A
MGL 6A-F2621
hJAA-F11-B11
Epa1-Np mutant Y228W
Epa1-Np mutant Y228F
CA19.9-1216E
Sp Serotype 4
HMB-Native
hGal-1-488-WT
Epa1-Np mutant Y228W
Mouse NKG2D
GSL-I
Fucoidan
HEL
PNA
CA19.9-18884
UEA1
SSL7-488
TL(EY Lab)
VLRB.a0B1.93
PSA
HAA
MNA-M
Avidin
BNA
UEA
VVL
GNA (EY Lab)
LBA
DSL
DBL
EEA(EY Lab)
PTA-Gal
LBL
DBA
GSA(EY Lab)
WFL(EY Lab)
WFA
NCA
LCA
SSA
PNA
PHA-L
HHA(EY Lab)
GS-I(EY Lab)
MAA(Seikagaku)
PHA-E
Native PHA
VGA(EY Lab)
MAA
BPA
Coprinus
AOL
AOL (Mahal Lab)
PTL-I
RSA
PHA-L
Gal-3
Microgen
MIA
MAL
UEA
NPA
ME7(detected with a-HUD)
WGA-Neuraminidase
Mono2W-CNI
Mouse Galectin
Gal-3C
BTL-Mbl
DC-ASGPR short
CGA
CGI
ME5(detected with a-HUD)
Mono2W-CNI
ABA
GTB
Galectin-1
human Gal-7
Anti-LeC
PSL
SJL
mouse Gal-7
Epa1-Np WT
CC1 (Y062)
VVHA (again)
Human Galectin-1
WGA mutanger
CrSalb
RCAI (Vector)

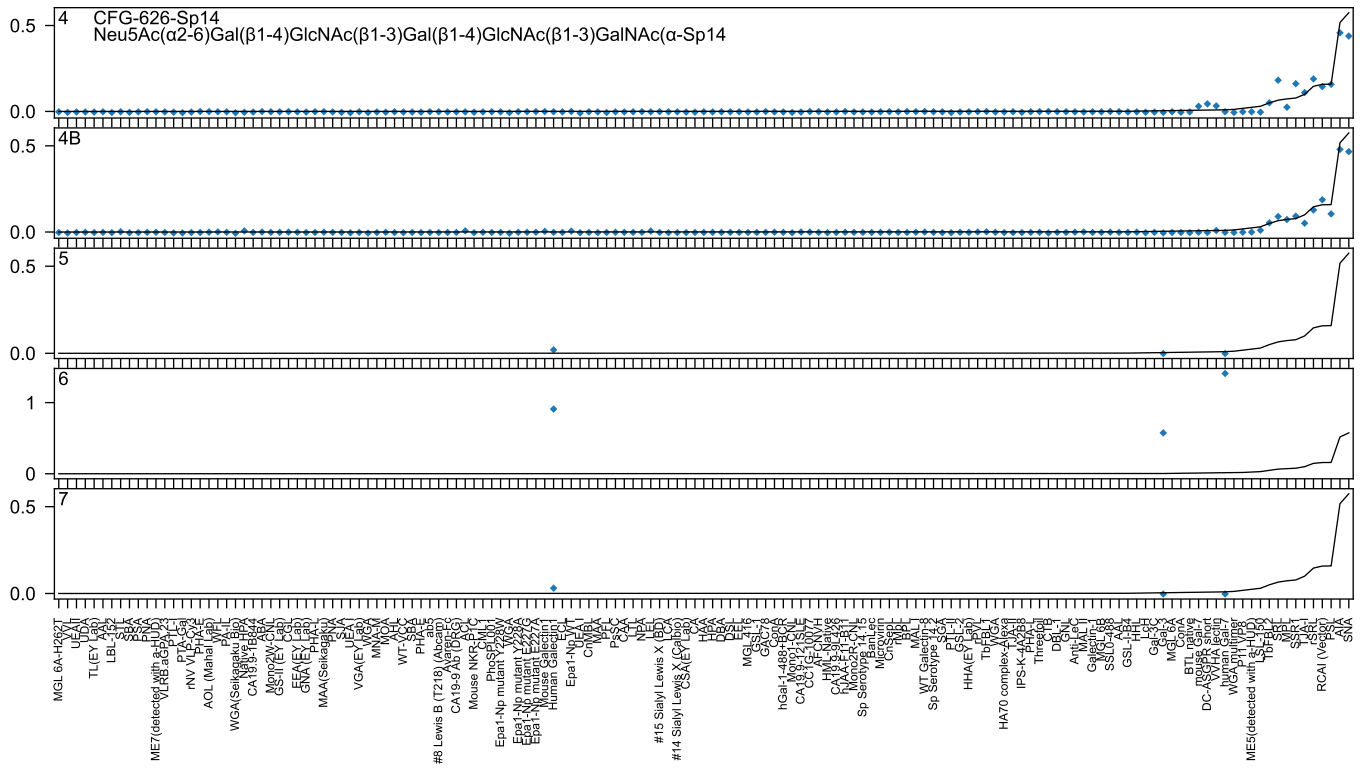

4
CFG-621-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
AOL (Mahal Lab)
JFS-K-4A
CA19.9-Sp14
CEGL
HA70 complex-Alexa
ABL
Native SPA
WGA(Seikagaku, Bio)
TWF
UEA-I
UDA
TL(EY Lab)
KAL
Mon2(EY Lab)
GSL-I(EY Lab)
GNA(EY Lab)
GNA (Cnidar)
Epa1-Np mutant
PhoSL-01
Avaren
MGL 416
EWL Native
nNV VLP-Sp3
VLRB.aGPA-Sp3
ME5(detected with a-HUD)
MOA
MVGA
VGA(EY Lab)
SBA
SSA
PHA
ME7(detected with a-HUD)
hJAA-F11-B1
Mouse NKR-CAA
ACL
Mono1-CBL
CA
PNA
Thrg-Fc
ConA
CSA(EY Lab)
HPA
GSL-I
EEL
HL-2
DSL
CTB
PFL-1
PFL-2
ConA
PHA-L
PHAE
PHA-E
MAL
MAA
Mouse Galectin-9
PNA
PHAE
hGal-1488-BCB
CA19.9-Sp14
SP-Sp14
Epa1-Np mutant
CA18.9-Sp14
MGL 6A
Sp Serotype 14
UEA-I
#8 Lewis B (T218) (Y228A)
ER81-Np mutant (Y228A)
#14 Sialyl Lewis x (Y229)
Epa1-Np mutant
CA19.9-Sp14
AEONA
HUVEC(EY Lab)
Mono2B-CBL
Mono2B-CBL
Mono1-CBL
GAL
BEL
LBL-152
VVL
TcrBL-1
WT Galectin-1
Gal-2C
PTA-Sp14
SSA
PaSC
CnSepL
RCAI (Vector)
CC1G-10077
Anti-LAC
LEL
WGA multimer
Galectin-1
Human Galectin-1
human Gal-7
DBL-1
DC-ASGPR short
mouse Gal-7
MAL
MAH
SSL-188
SSL-189
PH VAB
PWM
MAA(Seikagaku)
SSA
SSBU
TcrBL-2
MPL
rSSL
AIA

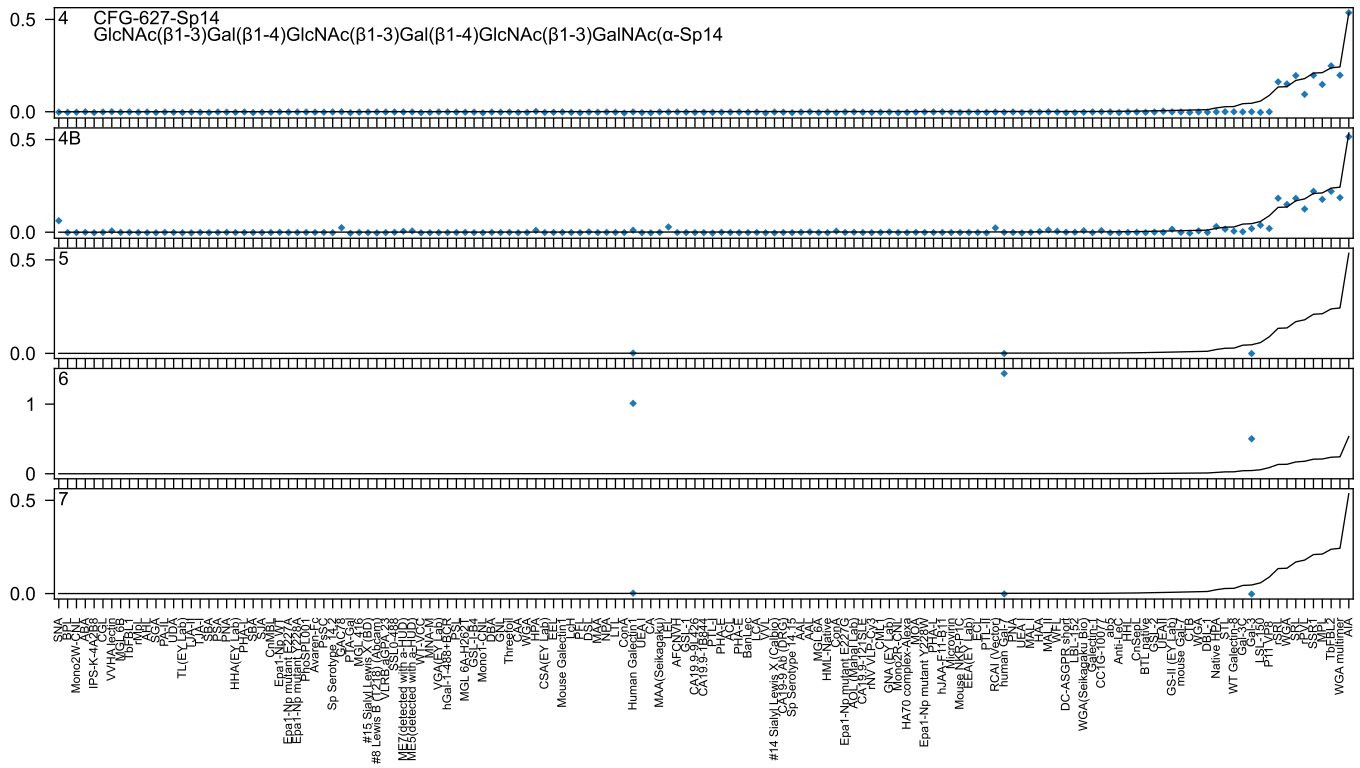

4
CFG-622-Sp14
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SNL
Mono2W-CNL
ECL
AOL (Mahal Lab)
JFS-K-44-2
CA19-9-1A28
CA19-9-1B44
human Gal-7
GNA (EY Lab)
BanLec
HA70 complex
DSL-4
CC1G
Native HPA
WGA(Seikagaku Bio)
WFL
UDA
VVHA (Lectin)
HHA(EY Lab)
PHA-L
PHA-E
Epa1-Np WT
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
WT Galectin-4
PSSC
Sp Serotype 14-1
Sp Serotype 14-12
#15 Sialyl Lewis X (BD)
hGal-1-488+PBGR
VVA VP-Cx3
VVA Cy3+UDD
ME7(detected with α-UDD)
LBL-162
ME5(detected with α-UDD)
WT-MOX
MOX
MNA-M
VGA(EY Lab)
UEA-I
SBA
TL(EY Lab)
MGL 8A-H261
hJAA-F11-B2
GSL-I-B4
HPA
HAA
EEL
DSL
ENL
GSL-I
CGA
CAA
CNA
Mono2R-CNL
Human Galectin1
Mouse Galectin1
VGA
AAL
LEL
CSA(EY Lab)
PNA
PHA-E
MAL I
SBA
CGL
PTL-I
MGL 6A
MGL 8A
CA19-9-1B (BD)
GAC76
#8 Lewis B (T218) (Abcam)
NPA
NEA
EEA(EY Lab)
Mono1-CNL
TbrBL1
Sp Serotype 14-2
CA19-9-1A (BD)
Epa1-Np mutant Y228A
HMC-N226a
CnMBL
ABL
Galectin-1
#14 Sialyl Lewis X (Calbiochem)
PSA
CA-488
SSL-7
WGA multimer
DC-ASGPR short
CnSep
Agrocybe EC
Mouse NKR-P1C
GS-II (EY Lab)
GEAN
BTL
GNA
BTL-150
MIP
RIP
ISM
SSL2
TbrBL2
AIA

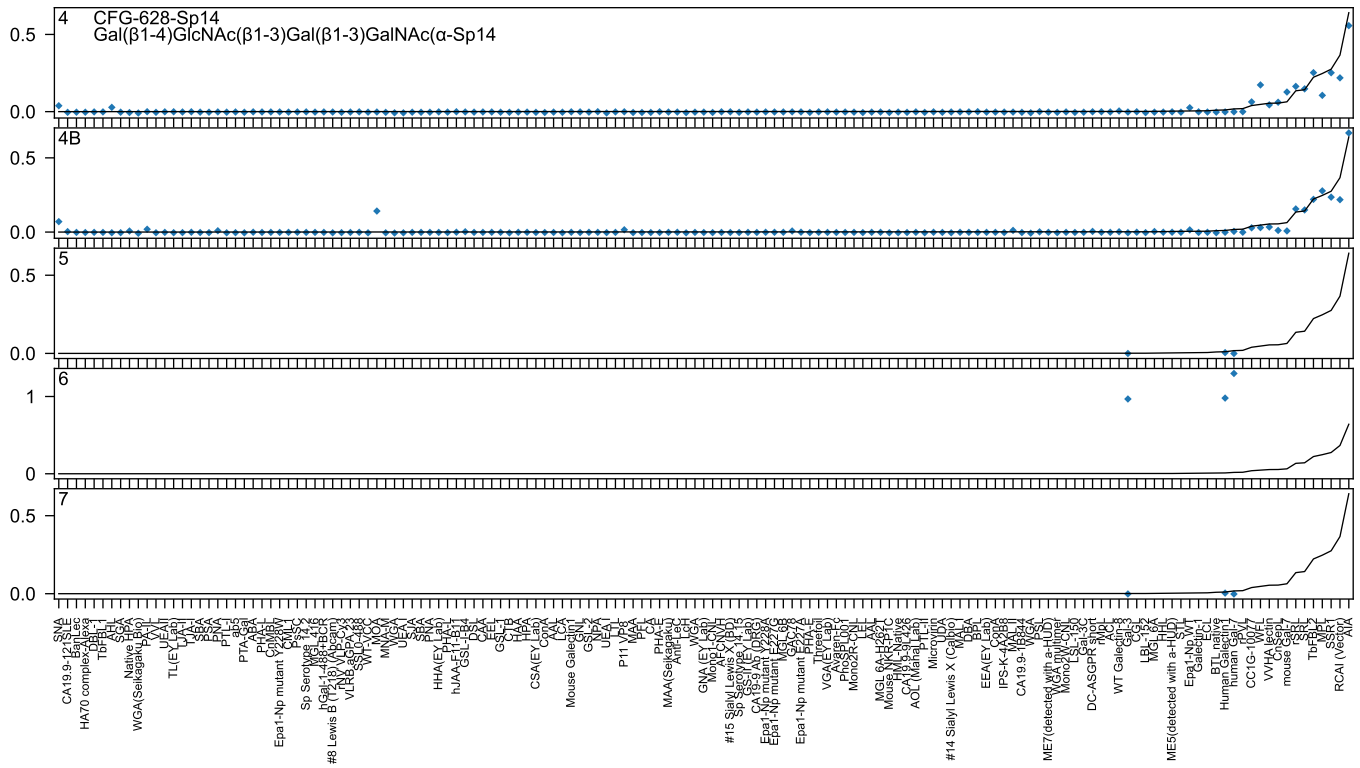

4
CFG-623-Sp14
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SSA
Native SSA
WGA(Seikagaku BIO)
PNA
AJL
UDA
TL(EY Lab)
SBA
SBA
PTL-I
PTA-I
PTL-II
PTA-II
PSL
PNA-T
MPL
MPP
CA19-9 (Abbexa)
TKS-CA125
Microvigin
PhoSL(081)
PhoSL(080)
#15 Sialyl Lewis X (BD)
#8 Lewis B (72-18)
ABA(Vector)
ME7(detected with a-HUD)
ME5(detected with a-HUD)
MAA(Seikagaku)
VGA(EY Lab)
UEA-I
UEA-II
SNA-V
SSA
SSA
GNA (EY Lab)
AOL(Marine Lab)
MOA
MGL 6A-H262
MGL 6A-H263
MAL I
MAL II
CGA
CGA
Mouse Galectin-1
ACA
VCA
VCA
Threo(o)
Mono2R-CNL
ACA
GSL-I
DBA
DBA
hJAA-F11-B11
HAA
HAA
GSL-II
NPA
LEL
LEL
HPA
HPA
CSA(EY Lab)
LCA
Sp Serotype 14 - 68
CA19-9 Ab (DRG)
HA70 complex-Alexa
#14 Sialyl Lewis X (Calbiochem)
EEL
MOA
MGL-1
DSL-1
CA19-9 (Abbexa)
CA19-9 - 428
Epa1-Np mutant Y228V
VVL
EEA(EY Lab)
hGal-1-488H-CCR
Sp Serotype 1
DSL-2
MonoTCNL
VLRB.aGPA73
VLRB.aGPA73
VVL
WT Galectin-8
HML-Native
PhA-L
Epa1-Np mutant Y228A
TbFBL-1
IJL-160
IJL-162
Mouse NRP-2-SC
human Gal-7
Epa1-Np mutant Y228F
HHA(EY Lab)
Gal-3
Galectin-1
CGA
MAA
Avarol
ACL
rNV LP-488
SSL2-488
RCA(Vector)
Gal-9
BPL
GS-II (EY Lab)
ABA(Vector)
UEA-I
LSL-100
CnSepl
Epa1-Np mutant E227A
mouse Gal-7
GSL-I
BTL native
ABA
DC-ASGPR ABA
WGA multimer
CC1G-G0077
STL
VVHA lectin
Human Galectin-1
PA-IL
Epa1-Np
PNA
PNA
VVL
VGA
SSA
SBA
TbFBL-2
PNA

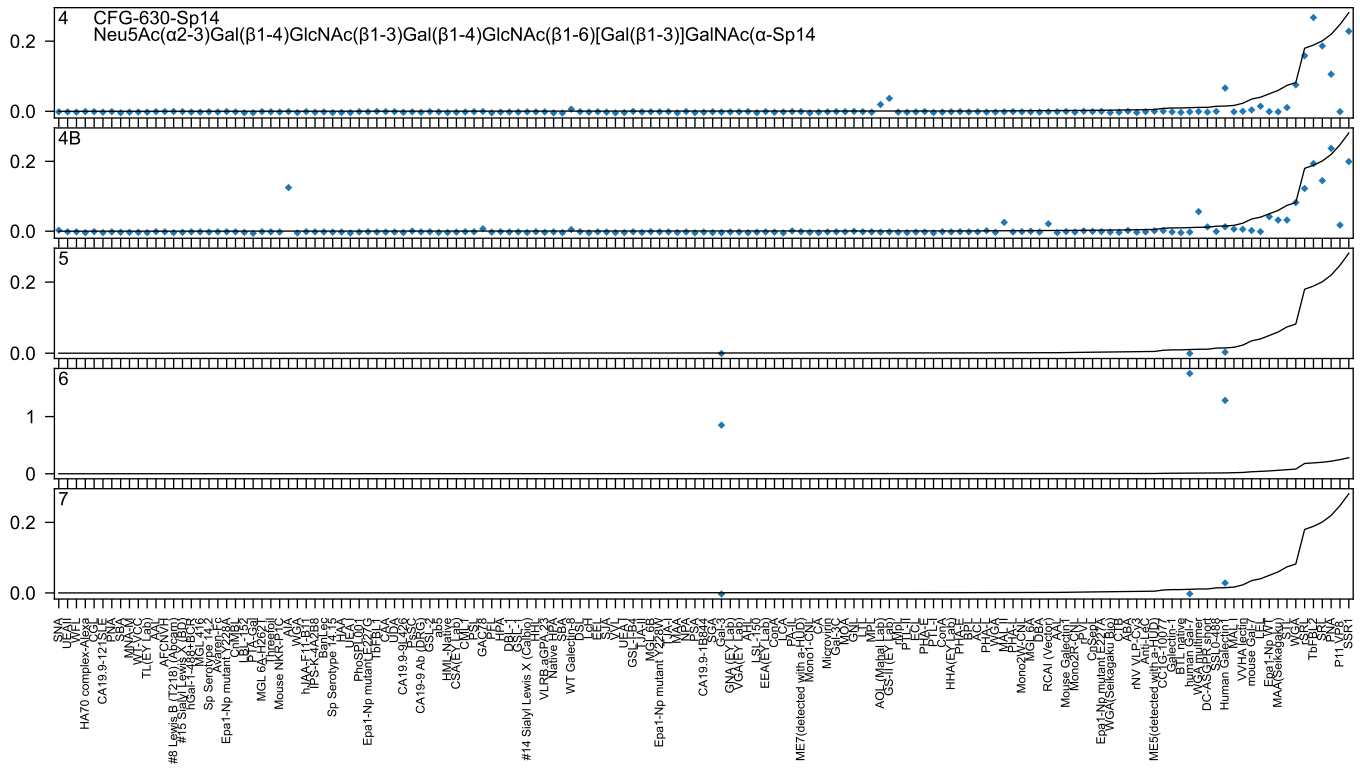

4
CFG-624-Sp14
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SVA
CA19.9-sialyl
MGL 6A
MGL 6B
SSA
Native-PPA
WFL
WFL
CA19.9-12
SVF
UDA
TJA-I
TJA-II
SBA
PNA
PTL-I
PTL-II
PTA
PHA-L
TL(EY Lab)
LPS-K-4/A288
Epa1-Np
Epa1-Np mutant E227A
Epa1-Np mutant Y228W
Epa1-Np mutant Y228W
CA19-9 Pos (DRG)
Avidin-F
Avidin-E
MGL 6B
BJP
#14 Sialyl Lewis X (Calbio)
#8 Lewis B (12 Lab)
HML-Native
ME5(detected with anti-IgG)
MOA
UEA-I
PSA
PHA
#15 Sialyl Lewis P
PHAD
MAL
MGL 6A
PAC2-E
MAA(Seikagaku)
Mono2R-CNL
AIA
AAA
Threelgo
WGA
EAE
DSL
HPL
Mouse Galectin-1
PHA
GNA
GNL
GSL-I-B4
LTA
LCA
Human Galectin-1
MAL I
UEA-I
VFA
Tb-PBP
LBL-152
CAML
AFCNVH
Sp Serotype Con 3
VGA(EY Lab)
MOR
Microvirin
VVHA (Calbio)
human Galectin-3
GSL-I
CA19.9-1B644
CSA(EY Lab)
HA70 complex-Alegra
hGal-1-Lab-1-B3
hJAA-F11-B3
SCA
AAL
CGA
CoPA
Mono2W-CNL
AOL (Matrix Lab)
WT-Agglutinin
MPL
HHA(Calbio)
Bowlec
CoPAP
DC-ASGPR-Fc
DC-SIGNR-Fc
VCRB-agarose
Epa1-Np mutant E227A
SSA-E2408
Galectin-1
NPA
NOA
mouse Galectin-1
PHA-E
PHA-L
ME7(detected with anti-IgG)
Mouse NKR-P1C
WGA(Seikagaku Bio)
Sp Serotype 14-2
RCAI (Vector)
GNA (EY Lab)
BTL
BTL(Sepl)
P11(Vibe)
WT Galectin-3
rNV VLP-Cy3
ASL-Lab
DEAE
GNA-B
DBL-1
CC1G
GS-II(EY Lab)
GSL-4
rPV
SBE
SSB
SSST
Tb-PBP2
WGA multimer


4
CFG-625-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.25
0.00
2
0
SNA
MAL-I
MVA-M
VGA(EY Lab)
SBA
PNA
WT-VGE
BPL
HA70 complex-A/B
TL(EY Lab)
UEA-I
MAA
PSA
PSA
GSL-I-B4
CAA
PTA
PTA-Gal
Epa1-Np mutant E227A
#15 Sialyl Lewis X (BD)
Epa1-Np mutant T228G
Jacalin
Pto-SialoBD1
#14 Sialyl Lewis A (Avaren)
Sp 14.15
#8 Lewis B (Avaren)
HPA
HML-Nanu
WGA
ACL
ECL
GSL-I-A4
Epa1-Np mutant Y228W
LEA
CA19.9-121
SBA
Mouse NK-B-TC
MAH
Sp Serotype 2
AFCNV1
UEA-I
MAA-F (EY Lab)
CA19.9-1-B-G
Epa1-Np mutant E227G
PSA
ASC
MGL 6A-H262
LCA
UDA
PTA
CA
CA19.9-9L-F6
PCA
CAM1
Mono-Man
CA19.9-1B44
CSA
VLRA.a (Lab)
SSA51
MGL-C16
Mono-Glc
hGal-1-488-pCOA
PCA
AAL
PTA
LCA
LBL
SJA
SJA
Microvisin
PHA-E
PHA-L
GNA (EY Lab)
GS-II (EY Lab)
EEA(EY Lab)
PPS-K-4A-288
NPA
Barley-GP
GSL-I
Mono2W-GNL
MOA
PHA-L
SNA
PHA-L
PHA-E
DBA
PHA-E
HHA(EY Lab)
Native HPA
MGBP
MGBP
PBL
PAL
WGA(Seikagaku Bio)
CVN
SJA
STB
Gal-3C
Gal-3
ME7(detected with a-F)
AIA
WT Galectin-8
AOL (Mahal Lab)
BTL (MVA)
WFL
DNV (Nu Lab)
ME5(detected with a-RUD)
Mouse Galectin-1
Galectin-1
human Gal-7
CC1G-10077
SSL-188
DC-ASGPR
PTL
PTL VP8
VVHA
MAA(H)
mouse Gal-7
Orf-Gal
SHL
MAAN(Seikagaku)
Human Galectin1
RCA (Vector)
WGA

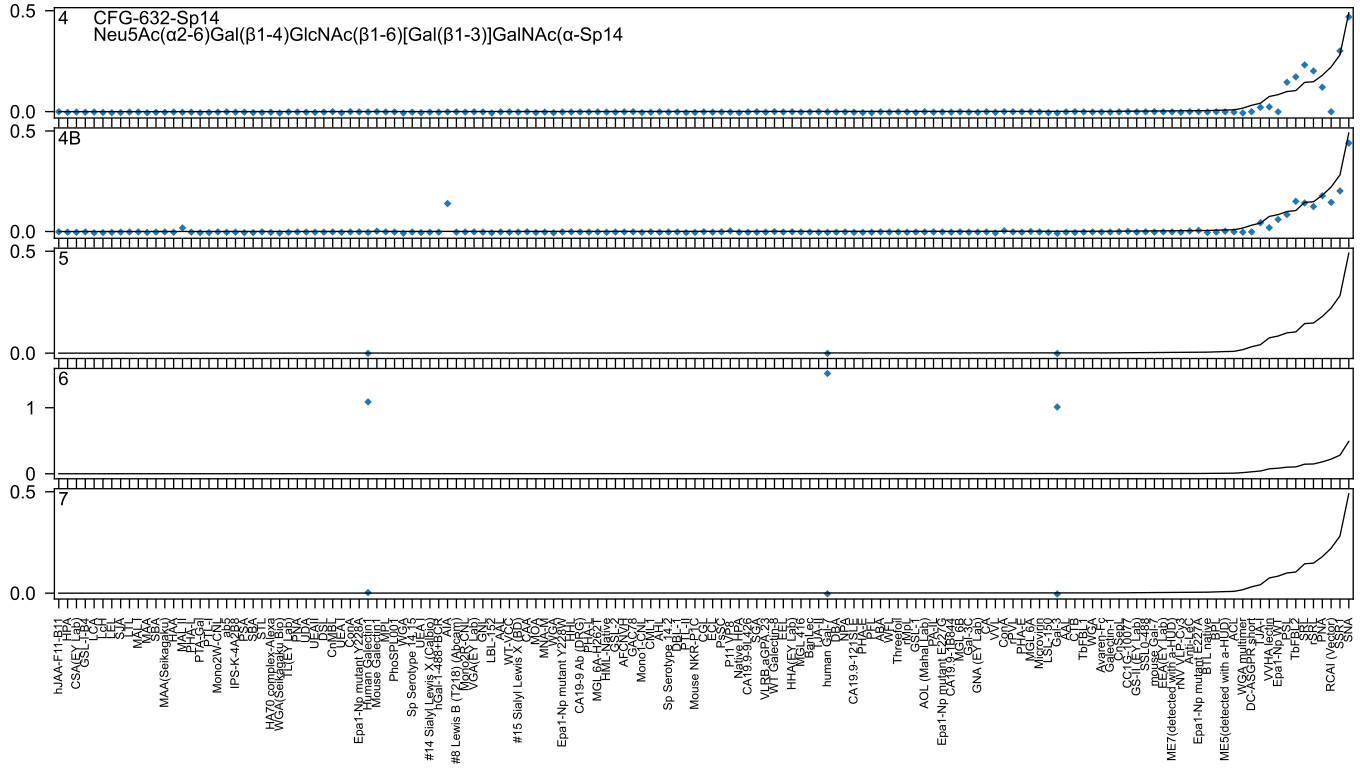

4
CFG-626-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
MGL 6A-H2627
UEA1
VVA
TL(EY Lab)
LBL 2A2
SAT
SSA
PNA
ME7(detected with a-Epa1 Ab)
LEA(EY Lab)
PTL-I
PTL-II
nNV VLP-C23
PHA-E
AOL (Marina Lab)
WFL
WGA(Seikagaku Lab)
Naive HPA
CA19-9-Epa1
ABA
Mono2W-CNL
GSII(EY Lab)
LEA(EY Lab)
GNA(EY Lab)
PHA-L
MAA(Seikagaku)
BNA
ELA
VGA(EY Lab)
WGA
MNA
MOA
OAC
WT-OAC
SBA
PHA-E
ab5
#8 Lewis B (T218) (Abcam)
Mouse Epa1
CA19-9 Ab (R&D)
Mouse NKR-P1C
CML1
Epa1-Np mutant Y228W
Epa1-Np mutant Y228A
Epa1-Np mutant E227G
Epa1-Np mutant E227A
Mouse Galectin1
Human Galectin1
Epa1-Np
TVA
OEA
CNA
WGA
PEL
PSA
CSA
NPA
LDA
#15 Sialyl Lewis X (BD)
#14 Sialyl Lewis X (Calbio)
CSA(EY Lab)
LA
HPA
HAA
DBA
EEL
EEA
MGL-116
GSL-I
GAC-73
hGal-1-489-GFP
Mgl1-CNL
CA19-9 (Calbio)
CA19-9 (Lab)
AF-KNVH
HA(H3-Brazil08)
CA19-9-Epa1
NAA-FR-811
Mouse Galectin-1
Sp Serotype_14_15
Sp Serotype_1_2
BanLec
MoNivem
CrSerpl
TIP
MAL1
WT Galectin-1
Sp Serotype_1_2
GSL-2
SCA
PSL
HHA(EY Lab)
TcFBL1
TbFBL1
HA70 complex-Alexa
IPS-K-4-Asl
PHA-E
Threonine
DBL-1
CNL
Anti-Epa1
MAL1
Galectin-1
MGL-188
SSLD-488
ABA
GSL-1B4
HHL
Gal-3C
Gal-3
MGL-6A
BTL
ConA
mouse Gal-7
DC-ASGPR short
DC-ASGPR long
human Gal-7
WGA (Invitrogen)
ME5(detected with a-LUD)
TbFBL2
NPL
SBL
SSA1
rSAL
RCAI (Vector)
AA
SNA

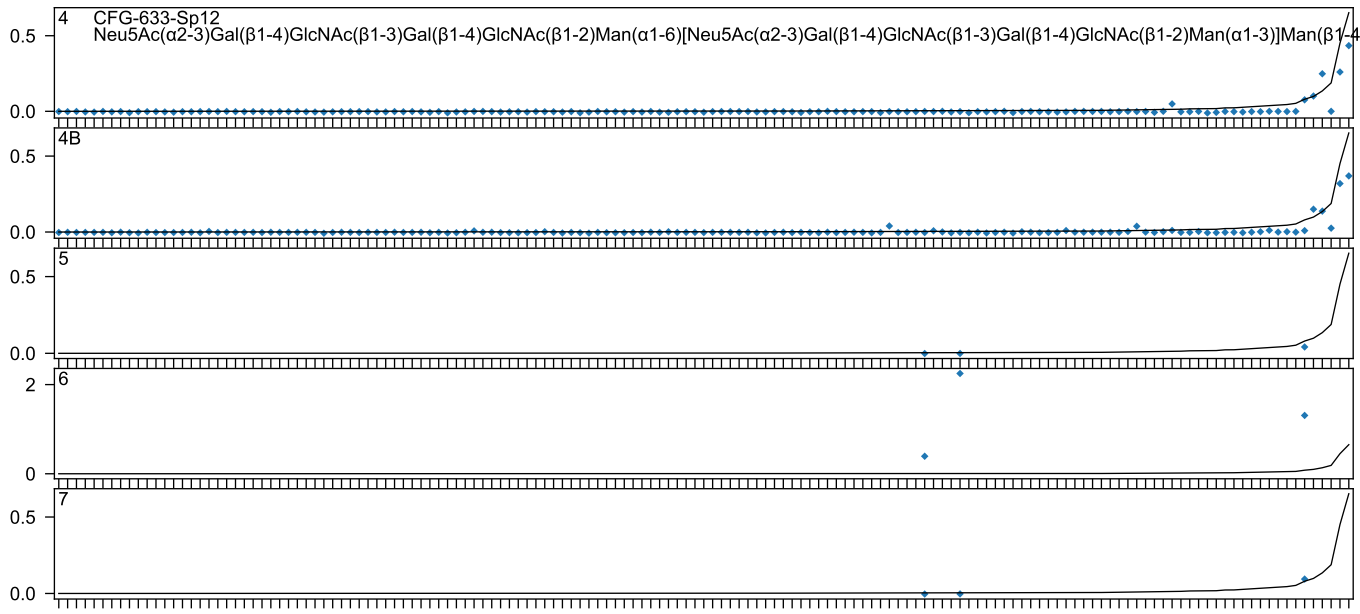

4
CFG-627-Sp14
GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
SIA
CNL
Mono2W-CNL
ABA
IPS-K-4A-289
CGL
VVHA(Lab)
MGA-6B
TBPL1
NPL
ABL
PNA
PSA
UDA
TL(EY Lab)
LEL
LCA
PSA
BPL
LTA
HHA(EY Lab)
PHA-L
PHA-E
SJA
ConBr
Epa1-Np mutant E227A
Epa1-Np mutant E227G
Epa1-Np mutant Y206A
Avarigin-Fc
Avarigin
Sp Serotype 4-22
PSA
PGA-478
MGL-478
#15 Sialyl Lewis X (BD)
#8 Lewis B (GlycoTech)
VCRB(GlycoTech)
SJA-HUDI
MEF(detected with a-HUDI)
MEB(detected with a-HUDI)
WFA
MNA-M
VGA(EY Lab)
hGal1-486 (Lab)
PSL
MGL 6A1-264
MGL 6A1-264
Mono1-CNL
ORA
Threoglo
WGA
HPA
CSA(EY Lab)
EEL
Mouse Galectin-1
PEL
MPA
NPA
NEA
ConA
Human Galectin-1
LCA
CA
MAA(Seikagaku)
HA
AFCNV1
CA19-9-126
CA19-9-1116
CA19-9-BR-1
PHA-E
PHA-L
BanLec
VVL
#14 Sialyl Lewis X (CRB)
Sp Serotype 4-15
AAL
MGL-6A
HML-Native
Epa1-Np mutant E227G
CA19-9-1116 STD
rNV VL Conv3
GNA (EY Lab)
Monoclonal-Lewis
HA70
complex-Lewis
Epa1-Np mutant Y206A
MOA
hJAA-F11-B11
Mouse NKP-PTC
EEA(EY Lab)
PTL-I
RCA I (Lab)
human Galectin-7
PNA
UEA
MAL
MAH
WFL
DC-ASGPR
PL-sup
WGA(Seikagaku Bio)
CCTG-18077
Anti-abo
HPL
OncSerp
BTL-Globo
GSL-12
GS-II (EY Lab)
mouse Galectin-7
WGA
BPL
Native BPL
STL
WT Galectin-3
Gal-3
LSL-B8
PTL-VIB
WGA
SBA
SSL
SSL1
SSL2
Tomato
MAL
WGA multimer
AIA

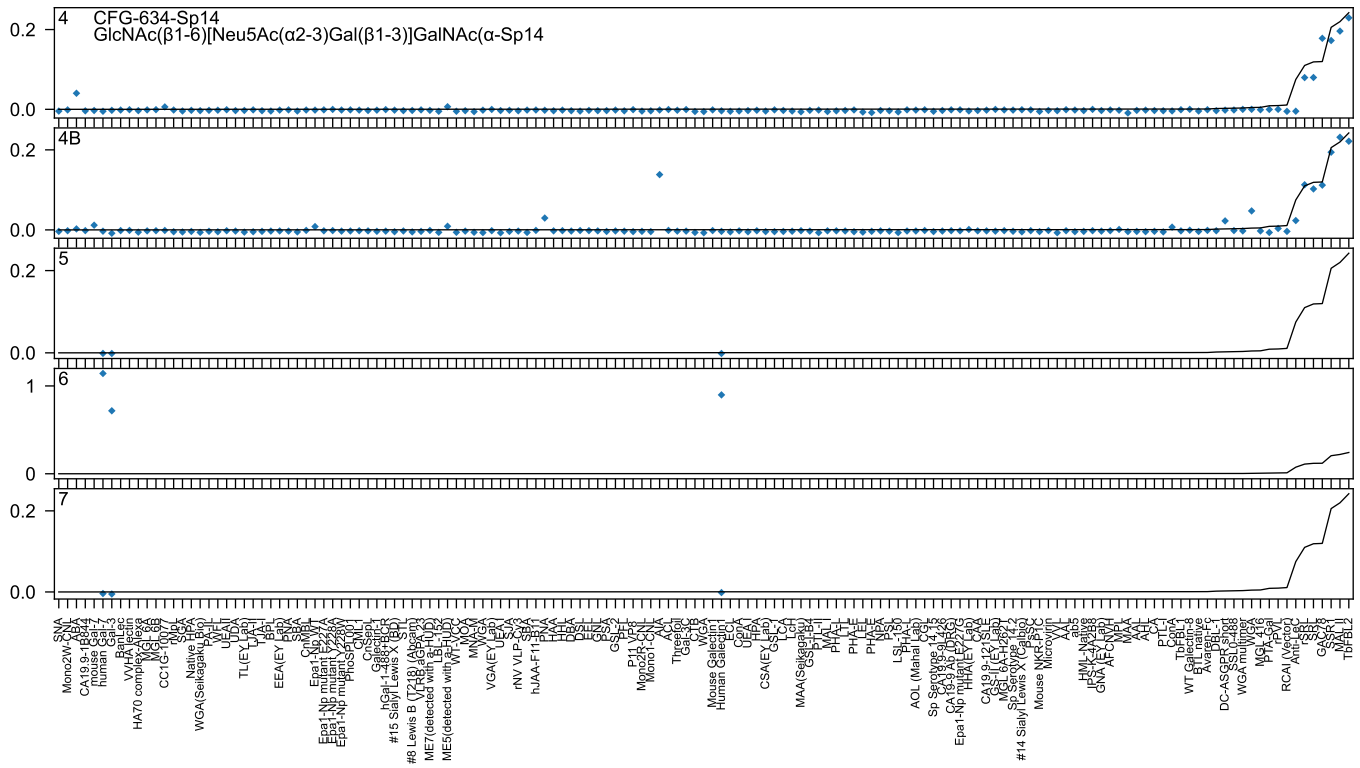

4
CFG-628-Sp14
Gal(β1-4)GlcNAc(β1-3)Gal(β1-3)GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
SNA
CA19-9-127 (SNA)
Bau Lec
HA70 complex (Dia)
Tra
TbFBL1
SSA
Native BP3
WGA(Seikagaku)
PA-GI
VEA II
TL(EY Lab)
UEA
SBA
PNA
ALL
PTA-Gal
PA-GA
PA-GN
Epa1-Np mutant Con
Con1
So Serolyse
WGL-418
#8 Lewis B TGA
Gal1-18 (Pacific)
VLRB VDC-23
VLRA VDC-23
SSCP-188
WT-VOCX
MNA-M
UEA
SSA
PNA
HHA(EY Lab)
hJAA-F11-B11
GSL-I B4
CAA
GSL-I
CTB
HPA
CSA(EY Lab)
Con A
AAL
Mouse Galectin-1
GNL
GNA
UEA
P11 VP6
MPA
CA
MAA(Seikagaku)
AntiFLeX
WGA
GNA(EY Lab)
MGL-6A
APCNVH
#15 Sialyl Lewis X (IgM)
SSA(EY Lab)
GSL-I(EY Lab)
CA 125 (Mania Lab)
Epa1-Np mutant V229A
Epa1-Np mutant V229G
LTA
GAC-278
Epa1-Np mutant F124 E
Thyroglo
VGA(Lab)
Alpha-Lab
PhoSBL001
Mono2R-CBL
LEL
MGL 6A-H-PTC
Mouse NK-B-PTC
CA19-9-Sialy28
AOL (Mania Lab)
Microvirin
#14 Sialyl Lewis X (CMP)
UDA
MAL(I)
BPA
EEA(EY Lab)
IPS-K-X2B8
CA19.9
MAL II
WGA
ME7(detected with a-HUD)
WGA mutmer
Mono2L-CBL
DC-ASGPR
Gal-3C
AIA
WT Galectin-3
Gal-3
LBL-C12
MGL-6A
ME5(detected with a-HUD)
Epa1-Np WT
Galectin-1
BTL nucleo
Human Galectin1
human Gal-7
CC1G-100-77
VVHA lectin
mouse Galectin-4
SBL
TbPBL2
SMP
RCA I (Vector)
AIA

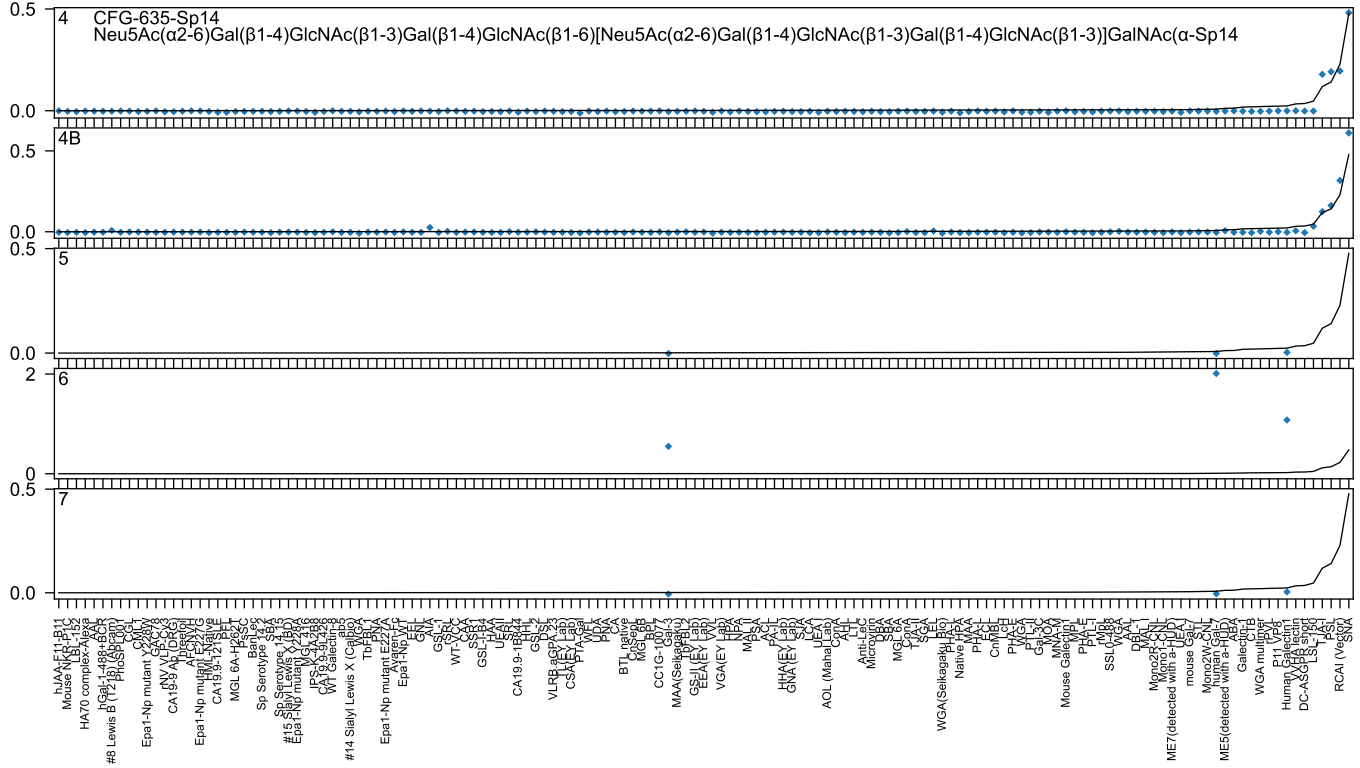

4
CFG-630-Sp14
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
1
0
SNA
UEA1
WFL
HA70 complex-Alexa
CA19.9-12-1
SLE
SBA
MNA-O
WGA
TL(EY Lab)
AFCWH
#8 Lewis B (7218) (Abcam)
#15(Sanofi)
MAL-1
rGal-1*484-BCH
MGL 416
Sp Serotype 14
AVAREE
Epa1-Np mutant C-488
LBL-152
LBL-152
MGL 6A-H2ecal
Mouse NNKR
AIA
hJAA-F11-631
PS-K4A288
Sp Serotype 8
Bap1-95
LCA
PhoSP-LPG1
Epa1-Np mutant E-289
TBP2-G
CAA
CA19.9-U26
CA19.9 Ab
LSSC
GSL-I-2
abs
HML-Nature
CSA(EY Lab)
CML
GAC-28
HPA
DBL-1
#14 Sialyl Lewis X (Calbiochem)
VLRB.aGP1
Native LEA
SBA
WT Galectin-3
DSL
EEL
SVA
UEA1
GSL-I-A4
MGL-B8
Epa1-Np mutant Y229A
MGA
PSA
CA19.9-1116A
Gal-3
GNA(EY Lab)
VGA(EY Lab)
ABL
LSL(EY Lab)
EEA(EY Lab)
CorA
PAL
ME7(detected with a1-HUD)
Mono-Galectin-1
CA
Microvirus
NOA
CGL
Mip
AOL(Matbal Lab)
GS-II(EY Lab)
PWM
ECL
PHL
HHA(EY Lab)
ConA
PHA-E
BPL
PNA
MAL
MAH
Mono-7
XIG-D8A
RCAI (Vector)
AAL
Mouse Galectin-1
Mouse Galectin-3
FVL
Epa1-Np mutant E-289A
WGA(Seikagaku Bio)
nNV
Actin
CoA
ME5(detected with a1-HUD)
CCL2
Galectin-1
BFL native
WGA dimer
DC-ASGPR-488
Human Galectin-1
VVHA (recombinant)
mouse Gal7
Epa1-Np WT
MAA(Seikagaku)
VGA
ToBJ-1
SRL
SRL
P11
VPA
SSR1

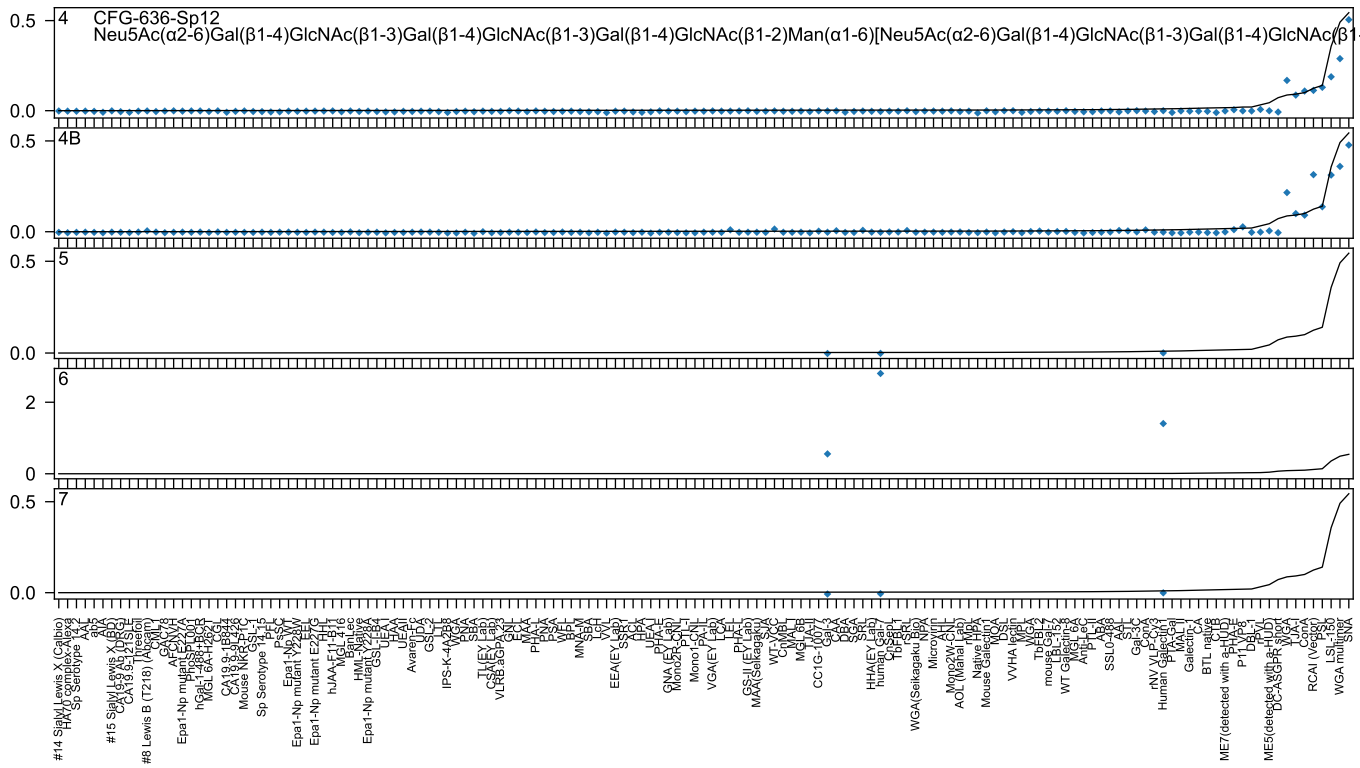
4
CFG-631-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hJAA-F11-B11
FTA
HPA
TL(EY Lab)
DBA
UEA
UDA
ABA
PNA
BPL
SBA
WT-VCC
ACA
MNA-M
#14 Sialyl Lewis X (Calbio)
Epa1-Np mutant Y2286A
CA19-9(Abcam)
LBL-B2
Sp Serotype 14-2
Sp Serotype 14-1
MGL-6A
hGal-1-488-BCR
Sp Serotype 4 (Threg lab)
AAL
Epa1-Np mutant E2276A
ACL
SBA
PSA
CSA(EY Lab)
HA70 commercial
WGA(Seikagaku Biol)
MGL(9-1-12)
CA19.9-12
PHA-E
SGL
CA19.9-12
HWL-NRVB
ACG
Bam sc
Mouse NKR-BTC
PSA
CA19.9-1B
GNL
GSL
DSL
GAL(78
GAL(3
#15 Sialyl Lewis Y (LEC)
rNV VLP-Dx3
Avr(9/2)-BCR
Epa1-Np mutant E2276A
WFA
Galectin-8
MAA(Seikagaku)
VGA(EY Lab)
GSL-I
VLRB.aGPA.23
#8 Lewis B (12-18) (Abcam)
GNA (EY Lab)
CML1
PNA
PAL
LCA
MGL(9
PTL-I
GSL-I-B4
Native-HPA
AOL (Mahal Lab)
MOA
UEA1
Mouse IgM(1)
TAA
TAL
MPL
WGA
VVL
GSL-II(EY Lab)
EEA(EY Lab)
Mono1-CNL
PHA-L
Monos-CNL
HHA(EY Lab)
PHA-E
GNA
BPL
CnSepL
Sac
Anti-Sac
Monos-CNL
SSL(EY Lab)
ABA
PHA-E
Mouse Galectin
Human Galectin
ME7(detected with a-WGA)
MGL-6A
LSL-A
ACL
Epa1-Np mutant E2276A
Human Gal-3
Gal-3C
CC1G-10(1/3)
BJ1 (native)
iPSC (native)
Galectin-1
WFL
ME5(detected with a-HUD)
DC-ASGPR (mmr)
mouse Gal-7
DSL
STL
VVHA lectin
Epa1-Np WT
RCAI (Vector)
PNA
PSL
SBA
rsBE
P11-VDS
TJA-I
SSA1
SNA

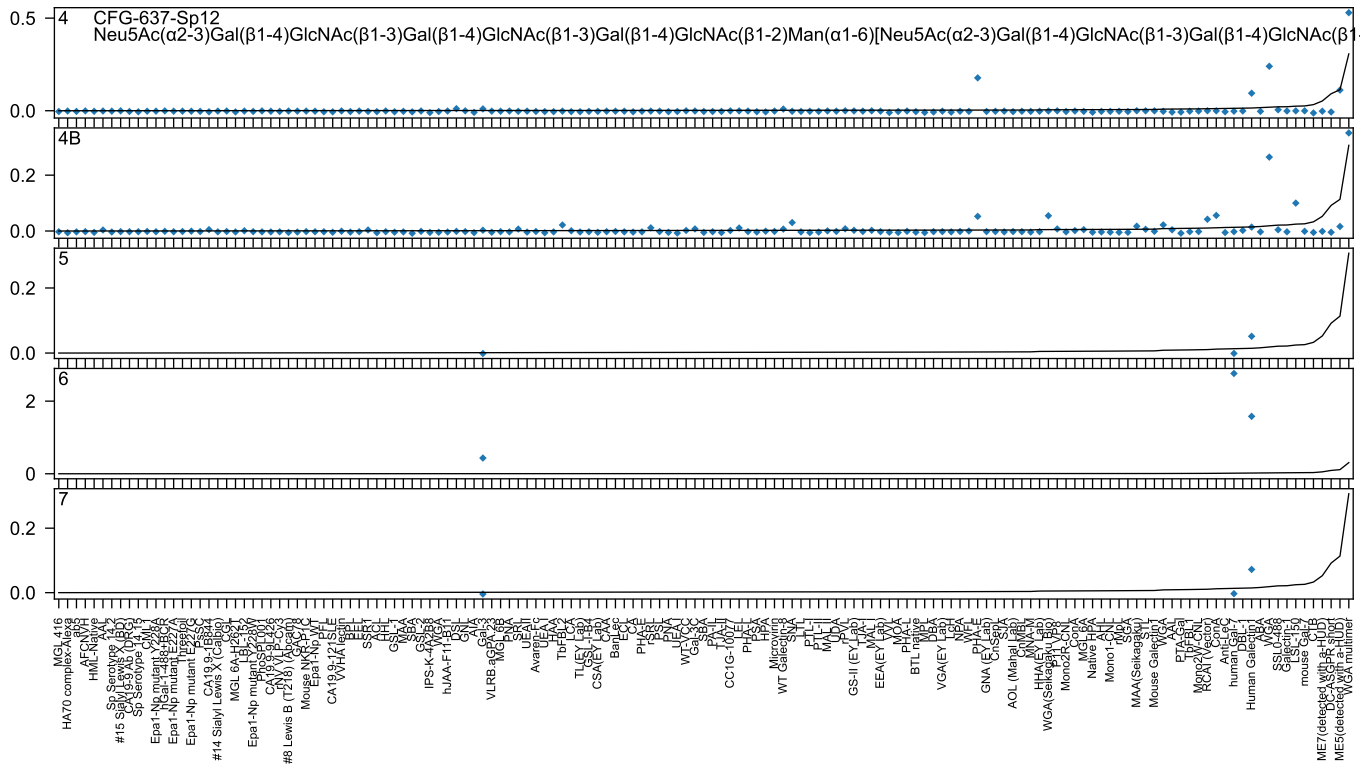

4
CFG-632-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-6)[Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
1
0
hJAA-F11 B11
HPA
CSA(EY Lab)
GSL-I B4
PNA
LEL
STA
MAL I
MAA
MAA(Seikagaku)
PHA-L
PHA-E
MAL II
PTA-Gal
Mono2W-CNL
IPS-K-44
ABA
ESA
SNA
SAL
HA70 complex-Alexa
WGA(Seikagaku)
HL(EY Lab)
DBA
UEA I
UEA II
Cn-B
VRL
UEA I
Epa1-Np mutant Y228A
Human Galectin1
Mouse Galectin1
WBL
PhoSL
PhoSL
Sp Serotype 14 T3
#14 Sialyl Lewis X (Calbio)
hGal-1-488+BCR
#8 Lewis B (T218) (Abcam)
WGA(EY Lab)
GNL
LBL
AAL
WT-GDC
#15 Sialyl Lewis X
PSA
MOA
MVA
MVA
Epa1-Np mutant Y228W
CA19-9 Ab (DRG)
CA19-9 Ab (DRG)
MGL6A-H2B2
HML-Native
ACONA
Mono-CNL
CMLT
Sp Serotype 14 T2
Sp Serotype 14 T1
DBL-1
Mouse NKR-P1C
EGL
PSSC
P-Y1-Y2
Native VFA
CA19.9-9.426
VLRB.aGPA.33
WT Galectin-8
EEL
HHA(EY Lab)
Man 416
Man 416
human CEA
human CEA
NPA
CA19.9-1214
PHA-E
ABA
ABA
WFL
Threonin
GSL-I
AOL (Marina Lab)
Epa1-Np mutant E227G
CA19-9 Ab
MGL-6B
GNA (EY Lab)
VA
VA
CMA
PVL
PVL
MGL6A
MGL6A
Lectin-1
Gal-3
CTB
CTB
TbFBL1
NVH
Avaren-Fc
Galectin-1
CC1(G-10074)
GS-IB4 (Lectin Labs)
mouse Gal-7
MF7(detected with a-HUD)
NV VFP-Cx3
Epa1-Np mutant E227A
BTL native
ME5(detected with a-HUD)
fucci
DC-ASGPR
SVXT
VVHA lectin
Epa1-Np-DXT
TbFBL2
SBE
GRL
PNA
RCAI (Vector)
SSBR
SNA

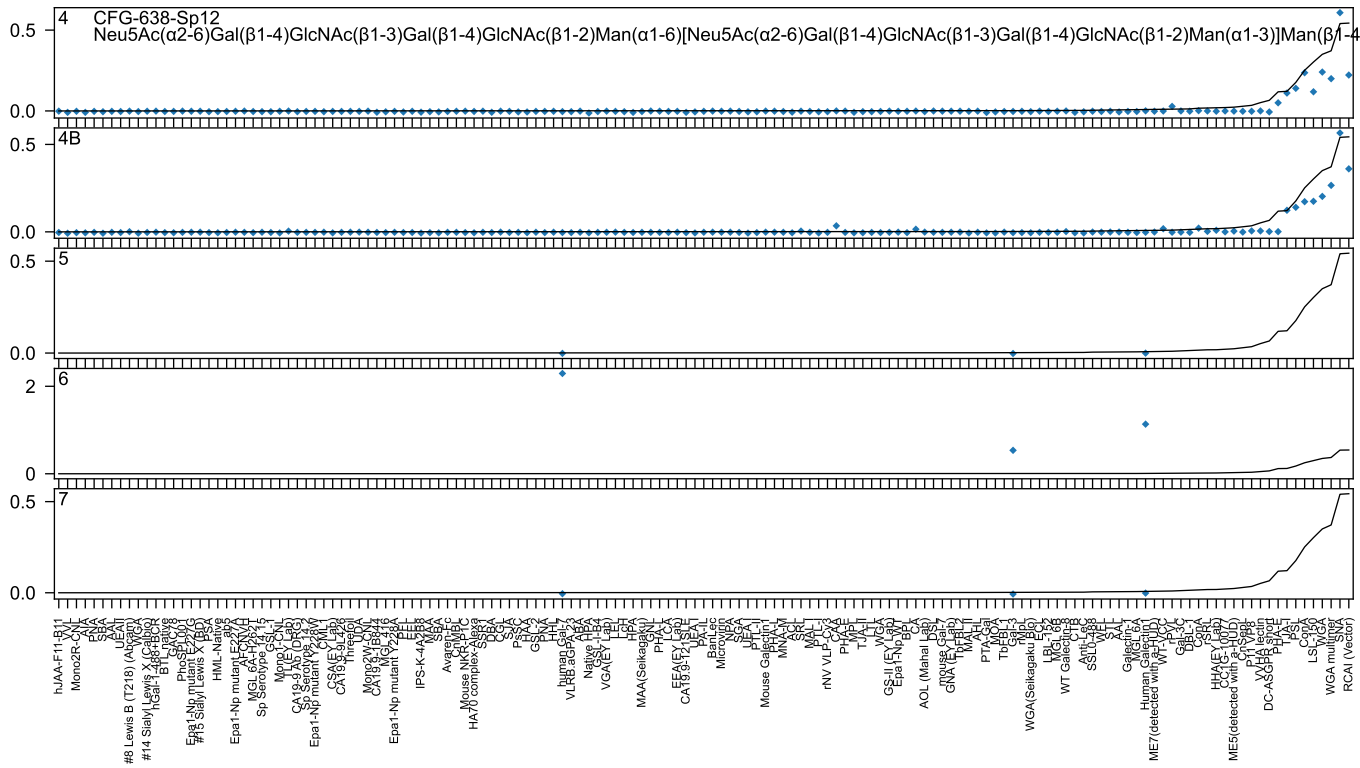

4
CFG-633-Sp12
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4
4B
5
6
7
0.5
0.0
2
0
Epa1-Np
hAA-F11-B11
hAA-F11-D10
BhoSH-001
CA19-9-1426
Sp Serotype 14-1-2
#15 Sialyl Lewis X (LeD)
HMC-1-Lewis X
AAE
IPS-K-4A2B8
HA70 complex sera
Prepro
GAC-1
GAC-2
MGL 6A
Epa1-Np mutant
CoIL1
#8 Lewis B (T218) (Abcam)
Sp Serotype 14-2
Epa1-Np mutant
Epa1-Np mutant
Epa1-Np mutant
MCA19-9-1426
CA19-9-1-B44
CA19-9-1-B44
#14 Sialyl Lewis X
MGL-8B
PGSC
MGL 4A
nNV VLP-SP3
nNV VLP-SP3
Bam-Lec
UEA-I
CnBP
MgL-6A
LBP-Lec
EEL
Aspro
CA19-9-1-F5
PSA
VGA
TL(EY Lab)
GNL
GSLI
BPL
HAA
PNA
Epa1-Np WT
GNA
VVL
PTA(EY Lab)
DBL-1
VLRB.aGPA.21
TJA
SNA
BTL mutant
MAL II
HPA
TxBL-1
VGA(Seikagaku)
GSL I-B4
EEA(EY Lab)
GS-II(EY Lab)
PHA-L
PHA-E
Gal-3C
UEA-I
PHA-E
Microvirin
MAA
DBA
MAL
rMP
PTL-I
MNA-M
ACG
ACL
PTL-I
WGA(Seikagaku, Bio)
PSA
NPA
PGA
PHA-L
PHA-E
WT Galectin-8
human Gal-7
Native TPA
HNK(EY Lab)
UEA-I
WT-Tec
MPL
hGal-1-488+BCR
Monoclonal-CNL
AOL (Mahal Lab)
Mouse Galectin-1
mouse Gal-7
CC1G-10077
ME7(detected with a-HUD)
Monoclonal-CNL
SSLD-488
SNA
VVHA lectin
AAL
ME5(detected with a-HUD)
VEL
MAL-I
SNA
DC-ASGPR
STB
Galectin-1
Sp-Lec
Antisec
P11-VB8
MAA(Seikagaku)
LSL-310
rPV
Human Galectin-7
PHA-E
RCAI (Vector)
WGA
WGA multimer

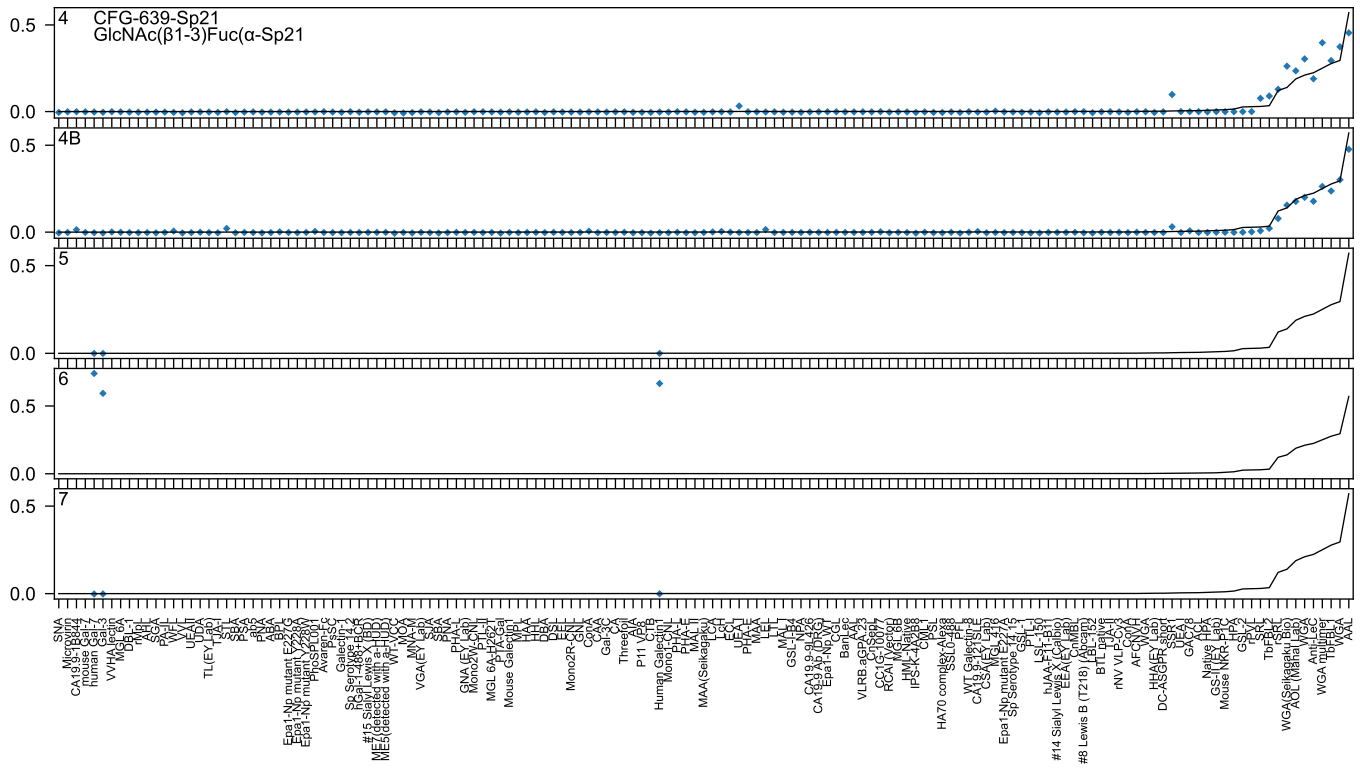

4
CFG-634-Sp14
GlcNAc(β1-6)[Neu5Ac(α2-3)Gal(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.2
0.0
1
0
SNA
Mono2W-SNA
ABA
CA19.9-1
mouse Gal-1
human Gal-1
Gal-7
BanLec
VVHA lectin
HA70 complex
WGA
CC1.G
Nup
Native PPA
WGA(Seikagaku,Bio)
WFL
UEA
TL(EY Lab)
LCA
BP
EEA(EY Lab)
PNA
RCA
SBA
Con A
Epa1-Np WT
Epa1-Np mutant E222A
Epa1-Np mutant E227G
Epa1-Np mutant S228W
PHA-E
QML
Onset
Galectin-1
hGal-1-488+6GS
#15 Sialyl Lewis X (SD)
#8 Lewis B (7418) (Abcam)
MET(detected with anti-HUD)
ME7(detected with anti-HUD)
ME5(detected with anti-HUD)
TB-1
WT-1
WGA
MVGA
VGA(EY Lab)
VGA(EY Lab)
LEA
SJA
rNV VLP
SBA
hJAA-F11
BUT
LAA
DBA
DSL
ENL
ECL
PSA
GNL
PHA-L
PHA-E
Mono2R-UCB
Mono1-CNU
AOL
AIA
Threefoil
Galectin-3
CTB
WGA
Mouse Galectin-1
Human Galectin-1
ECA
UEA-I
HPA
CSA(EY Lab)
GSL-I
LCH
MAA(Seikagaku)
GSL-I-B4
PTL-I
PHA-L
PHA-E
ATL
LEL
PHA-E
PHA-L
PSL
LSL
BHA3
AOL (Mahal Lab)
Sp Serotype 4.75
CA19.9-12-1-SLE
CA19.9-12-1-SLE
Epa1-Np mutant E227G
CA19.9-12-1-SLE
HHA(EY Lab)
CA19.9-12-1-SLE
MGL (LAH Lab)
Sp Serotype 14.2
#14 Sialyl Lewis X (SD)
Sp Serotype 14.2
Mouse NKR-P1C
Microvirin
VVL
Abs
HML-Native
UEA-I
GNA (EY Lab)
AFCVN
NPA
MAA
AAL
LCA
PTA
Con A
TcBFL-1
WT Galectin-3
BTL native
Avarol
DC-ASGPR short
DC-ASGPR mutant
WGA mutant
MGL
WGA
PHA-L
PHA-E
PWM
RCA (Vector Lab)
Anti-LeC
SBB
GAL3
NAT1
TcBFL2

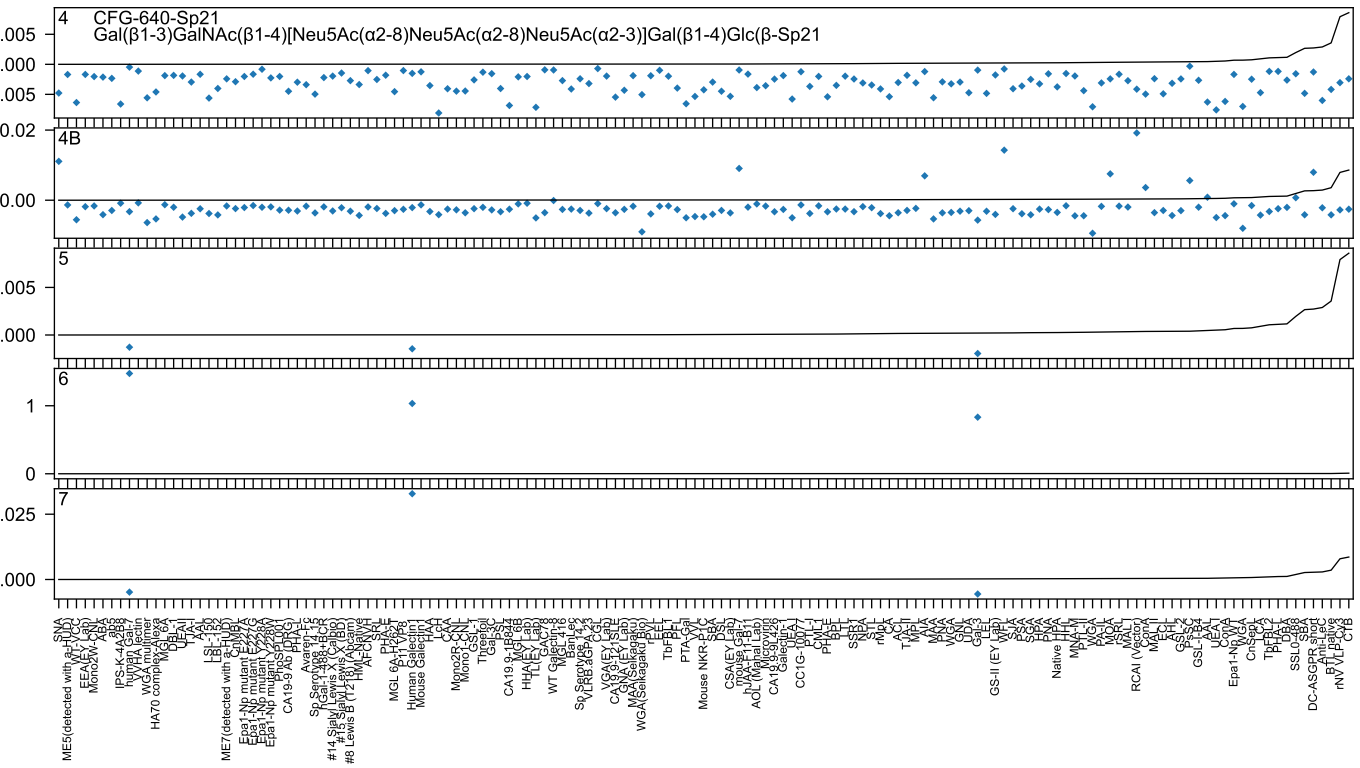

4
CFG-635-Sp14
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)]GalNAc(α-Sp14
4B
5
6
7
0.5
0.0
2
0
hAA-F11-B11
Mouse NCR-1-Alexa
LBL-152
HA70 complex-Alexa
#8 Lewis B (Y2-B)
hGal-1-488+BCR
PhoSPC001
CV01
Epa1-Np mutant Y228W
CA19-9 Ab (DRG)
Epa1-Np mutant E227G
CA19.9-121SLE
MGL 6A-H265T
Sp Serotype 1
#15 Sialyl Lewis X (Bio)
Epa1-Np mutant G229A
#14 Sialyl Lewis X (Cayman)
Epa1-Np mutant E227A
Epa1 Np WT
CA19.9-1-488
VLRB.aGPA.23
CSA(EY Lab)
PTA-Gal
BTL native
CC1G-1G7.3
MAA(Seikagaku)
GS-II (EY Lab)
EEA(EY Lab)
VGA(EY Lab)
NPA
MPA-II
ACL
PAL
HHA(EY Lab)
GNA(EY Lab)
AOL (Marine Lab)
Anti-LeC
Microvirin
SBA
MGL-6A
TJA-I
SEL
WGA(Seikagaku Bio)
Native HPA
PNA
ECL
CnnB
PHA-E
PHA-L
GNL
MMA-M
Mouse Galectin-1
PSA
PSA-E
SSL-Lectin
VAA
DBA
DSL-I
Mono2R-CNL
MME7(detected with a-HUD)
mouse Galectin-1
SAT
Mono2WG-CNL
MME5(detected with a-HUD)
Galectin-8A
CTB
WGA multivalent
PVL
F311 VPR
Human Galectin-7
DC-ASGPR
LS-174T
LAA
RCA I (Vector)
SNA


4
CFG-636-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1
4B
5
6
7
0.5
0.0
2
0
#14 Sialyl Lewis X (Calbio)
#15 Sialyl Lewis X
#8 Lewis B (T218) (Abcam)
Epa1-Np mutant
Epa1-Np mutant Y228W
Epa1-Np mutant E227G
Epa1-Np mutant
hJAA-F11-811
MGL 416
HM1-Native
Epa1-Np mutant
IPS-K-4
CC1G-1077
human CD
Human Galectin-1
ME7(detected with a-HUD)
ME5(detected with a-HUD)
DC-ASGPR
RCAI (Vector Lab)
WGA multimer
SNA


4
CFG-637-Sp12
Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-3)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1
4B
5
6
7
0.5
0.2
0.0
2
0
MGL 416
HA70 complex
Mex
BG
HMT Native
AFC
AAL
Sp Serotype 4
#15 Sialyl Lewis X (BD)
Sp Serotype 19A
Sp Serotype 19F
CML1
Epa1-Np mutant 188-558
Epa1-Np mutant E227A
Epa1-Np mutant E227Q
CA19.9 - Fetuin
#14 Sialyl Lewis X (Calbiq)
MGL 6A-H297
LBL-157
Epa1-Np mutant 1-301
BmoSC-001
CA19.9 - BSA
CA19.9 - Ab
#8 Lewis B (rT218) (Accaro)
Mouse NK-A/T/8
Epa1-Np wt
CA19.9-12-SLE
WHA lectin
EEL
SSA
LTL
GNA
GSA
SBA
GS-IB4
IPS-K-4-B68
hJAA-F11
DSL
CAL
Gal-3
VLRB aGal
MGL 68
PNA
UEAII
Avarol
DEL1
HAA
TBPL2
TL(EY Lab)
CSA(EY Lab)
CAA
Bat-EC
PHA-E
SSE
PWA
WT Lectin
Gal-3C
SBA
TAA-I
CC1G-100
PHA-L
HPA
WT Galectin
Microvirin
SNA
PTL
PTL-II
MOA
PVL
GS-II (EY Lab)
LCA
VAA(EY Lab)
EEA(EY Lab)
VVL
PHA-P
BTL native
MPL
DBA
VGA(EY Lab)
NPA
PHA-E
GNA (EY Lab)
Cnsl-S
STA
AOL (Mahal Lab)
MVA-M
HHA(EY Lab)
WGA(Seikagaku)
p11 (YB)
Mono2S
Con A
MGL
Native
Mono1-CNL
ACL
SGA
MAA(Seikagaku)
Mouse Galectin1
VAA
ATA
PTA-Gal
Mono2-CNL
RCA (Vector)
Anti-LeC
human Dectin-1
Human Galectin1
VGA
SSA
SSLC-488
LSL-15
mouse Galectin
ME7(detected with a-HUD)
ME5(detected with a-HUD)
WGA multimer


4
CFG-638-Sp12
Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-6)[Neu5Ac(α2-6)Gal(β1-4)GlcNAc(β1-3)Gal(β1-4)GlcNAc(β1-2)Man(α1-3)]Man(β1-4
4B
5
6
7
0.5
0.0
2
0
hJAA-F11-B11
Mono2R-C7
#8 Lewis B (T218) (Abcam)
#14 Sialyl Lewis X (Calbiochem)
Epa1-Np mutant E-2B7
Epa1-Np mutant Y-2B4
Epa1-Np mutant Y-2B7
Epa1-Np mutant Y-2B8
Epa1-Np mutant E-2B5
Epa1-Np mutant E-2B6
Epa1-Np mutant Y-2B1
Epa1-Np mutant Y-2B2
Epa1-Np mutant Y-2B3
Epa1-Np mutant Y-2B4
Epa1-Np mutant Y-2B5
Epa1-Np mutant Y-2B6
Epa1-Np mutant Y-2B7
Epa1-Np mutant Y-2B8
Epa1-Np mutant E-2B1
Epa1-Np mutant E-2B2
Epa1-Np mutant E-2B3
Epa1-Np mutant E-2B4
Epa1-Np mutant E-2B5
Epa1-Np mutant E-2B6
Epa1-Np mutant E-2B7
Epa1-Np mutant E-2B8
Epa1-Np mutant Y-2B1
Epa1-Np mutant Y-2B2
Epa1-Np mutant Y-2B3
Epa1-Np mutant Y-2B4
Epa1-Np mutant Y-2B5
Epa1-Np mutant Y-2B6
Epa1-Np mutant Y-2B7
Epa1-Np mutant Y-2B8
IPS-K-4
Avarenin
Mouse NKR-1 lectin
HA70 complex
SSA1
CGA
SJA
HAA
GSL2
HHL
human Gal-3
VLRB-Gal-3
Native Gal-1
VGA(EY Lab)
MAA(Seikagaku)
PTA
TCA
CA19-9 (EY Lab)
Bacillus
Microvigin
SGA
PHA-E
Mouse Galectin-1
MNA-M
ACL
MAL
PPL
nNV VLP
CAA
PHA-P
TJA-II
WGA
GS-II (EY Lab)
Epa1-Np
BPL
CA
AOL (Mahal lab)
mouse Gal-7
GNA
TcFBP-1
MAH
PTA-Gal
TcFBP-2
Gal-3
WGA(Seikagaku Bio)
LBL-1
LBL-68
WT Galectin-8
Anti-Leg
SSLO
WFL
SAL
Galectin-1
Human Galectin-10
ME7(detected with a-FUD)
WT-PVY
GAL-3C
CGA
CGRA
PSR
HHA(EY 1007)
CCTG-1007
ME5(detected with a-FUD)
PH VPB
VVA
DC-ASGPR-sol
PHA-L
PSL
Capo
LSL-Capo
WGA
WGA mutant
SNA
RCAI (Vector)


4
CFG-639-Sp21
GlcNAc(β1-3)Fuc(α-Sp21
4B
5
6
7
0.5
0.0
SNA
Microvin
CA19.9-1B844
human Gal-7
Gal-3
VVHA
Galectin-8A
DB-1
Vicilin
ABL
PSA
WFL
UEAII
UDA
TL(EY Lab)
ACL
SSA
PSA
RCA
PNA
ABA
ABL
Epa1-No mutant E227G
Epa1-No mutant Y228A
Epa1-No mutant Y228A
PhoSPLOD1
Aval
Pc-S-C
Galectin-1
Se Serotype 14/15
hGal-1 (Sino Biol)
#15 Sialyl Lewis X (BD)
MEB(detected with a-HUD)
MEB(detected with a-HUD)
WT-MOX
MVA-M
VGA(EY Lab)
LEA
SBA
SBA
PHA-L
GNA (EY Lab)
Monod-PV-II
MGL 6A-H2Gal
Mouse Galectin1
MAA
DBA
DSL
DSL
Mono2R-FUT
GNL
CAA
CAA
Gal-2C
Threo
P11
VAA
CTB
Human Galectin1
Monod-PV-I
PHA-E
MAL II
MAAI(Seikagaku)
LCA
LCA
UEA I
PHA-L
MAL
MAL II
GSL-I B4
CA19.9-9.1A28
CA19.9-9.1A28
CA19.9-9.1A28
Epa1-No mutant
COGT
Ban Lec
VLRB aGPA-23
CC1G-15697
RCA I (Vector)
HM-Galectin-8
iPS-K-4A288
CNT
DSL
HA70 complex-Leg88
SSL7-Leg88
PPL
WT Galectin-8
CA19.9-9.1A28
CSA (EY Lab)
Epa1-No mutant E227G
Sp Serotype 14/15
GNL I
hJAL-1 (R&D)
hJAL-1 (R&D)
#14 Sialyl Lewis X (Calbio)
EEA (Cosmo Bio)
#8 Lewis B (T218) (Abcam)
BTL (alive)
rNV VLP-Jc-1
CGA
AFCVXA
HHA(EY Lab)
DC-ASGPR
SSA
SSA
GNA
ACL
Native HPA
GS-IV-A4
Mouse NKR-P1C
GSL-I B4
FAP
TbPBL2
WGA(Seikagaku)
SBL
AOL (Maha Lab)
Anti-Lec
WGA multimer
WGA
AAL


4
CFG-640-Sp21
Gal(β1-3)GalNAc(β1-4)[Neu5Ac(α2-8)Neu5Ac(α2-8)Neu5Ac(α2-3)]Gal(β1-4)Glc(β-Sp21
4B
5
6
7