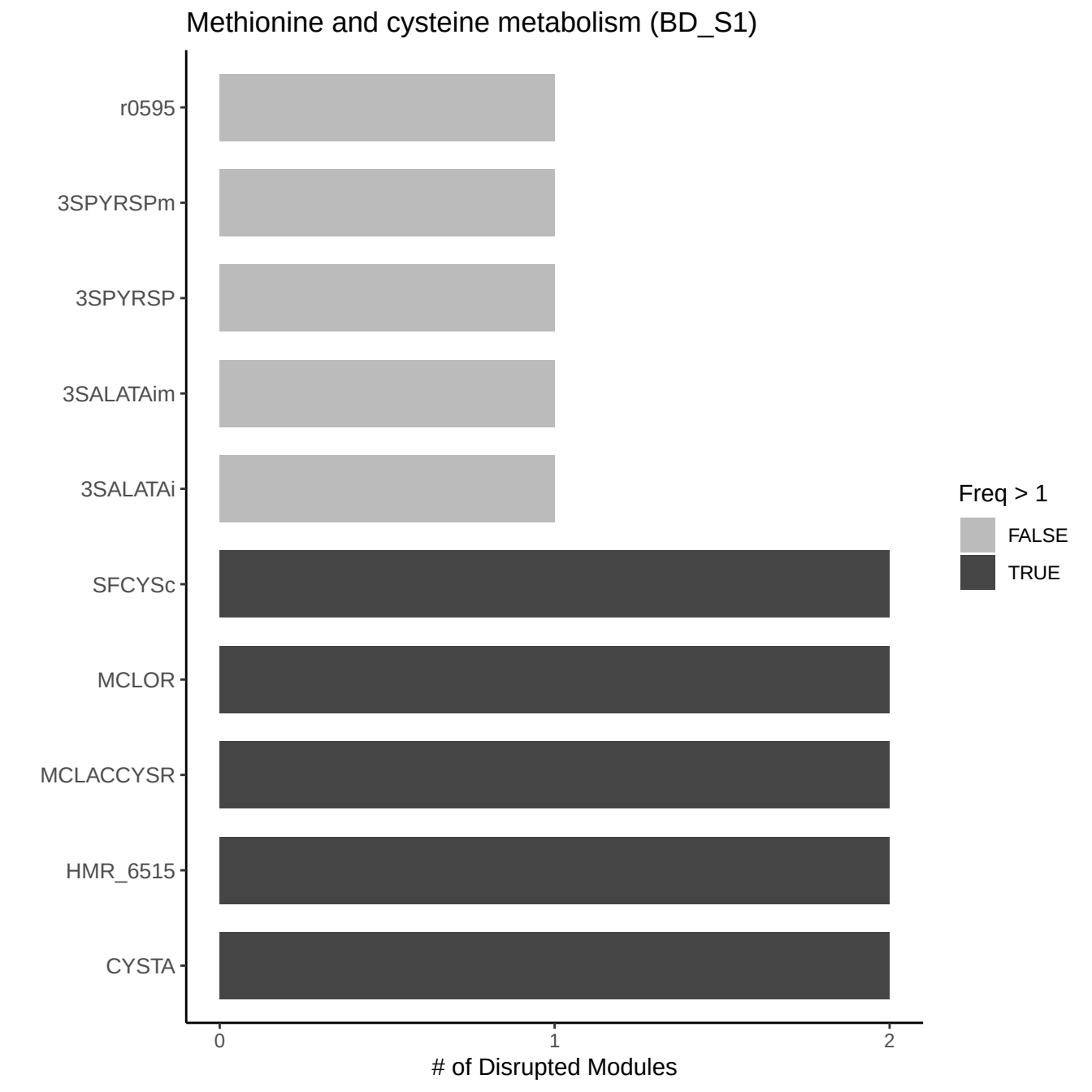
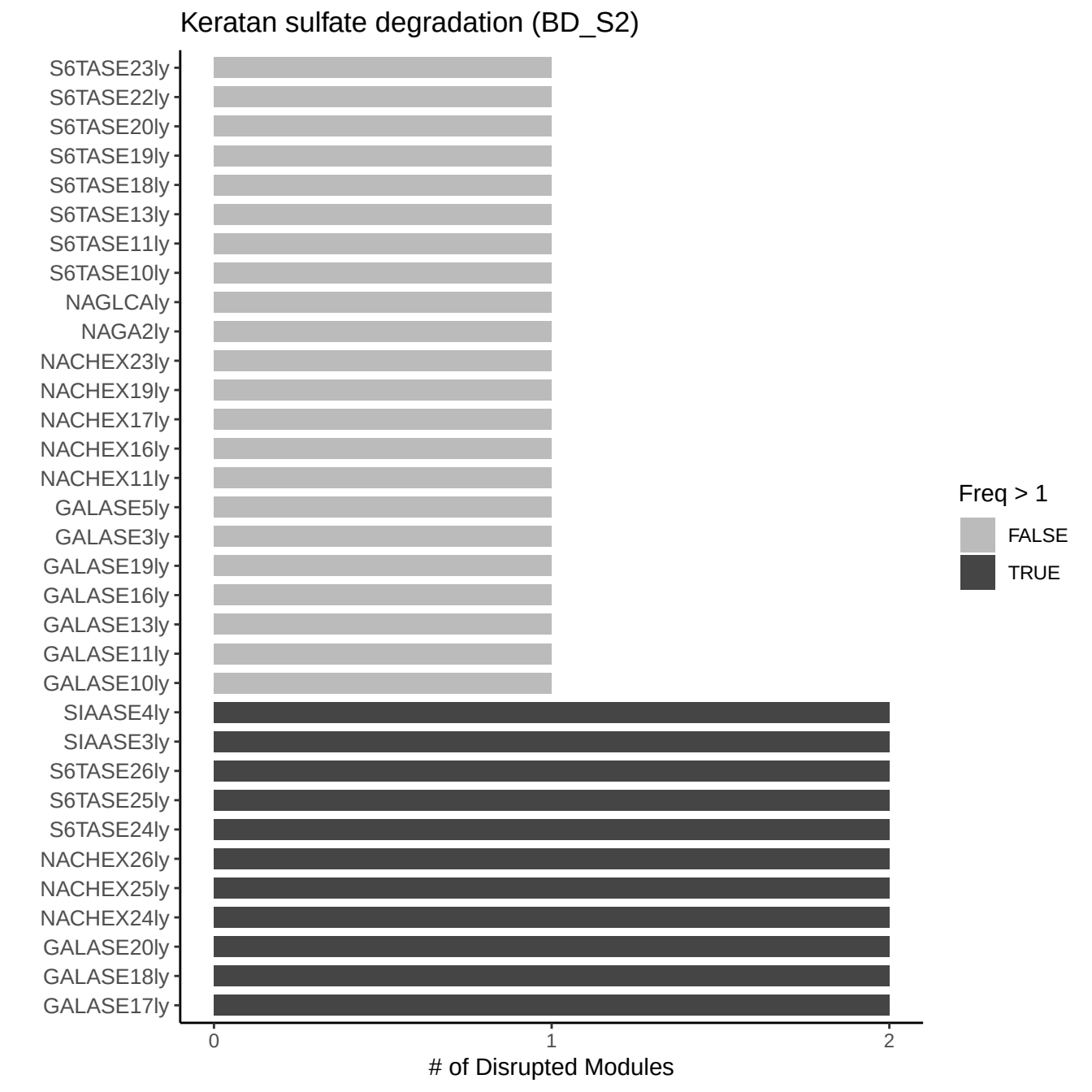
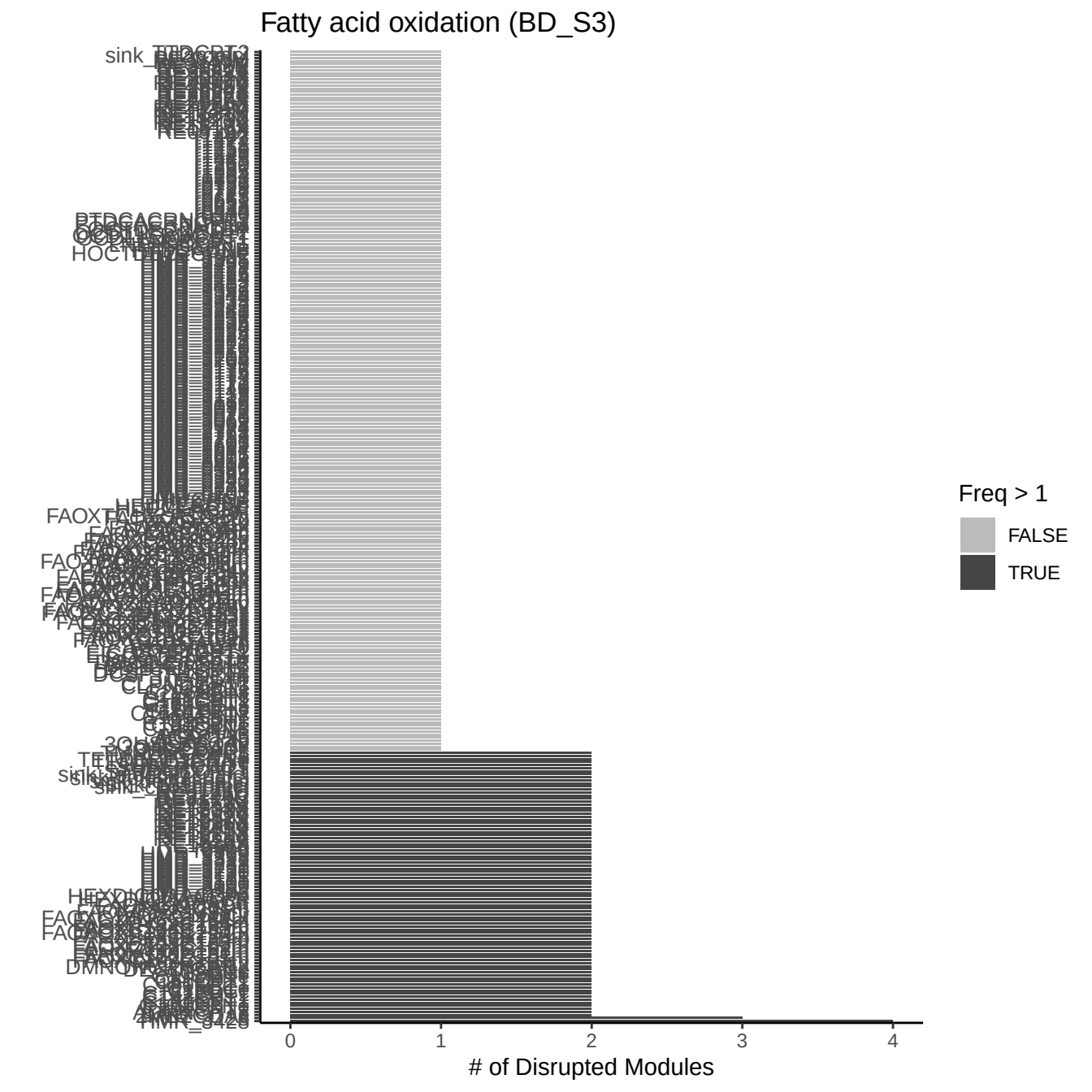
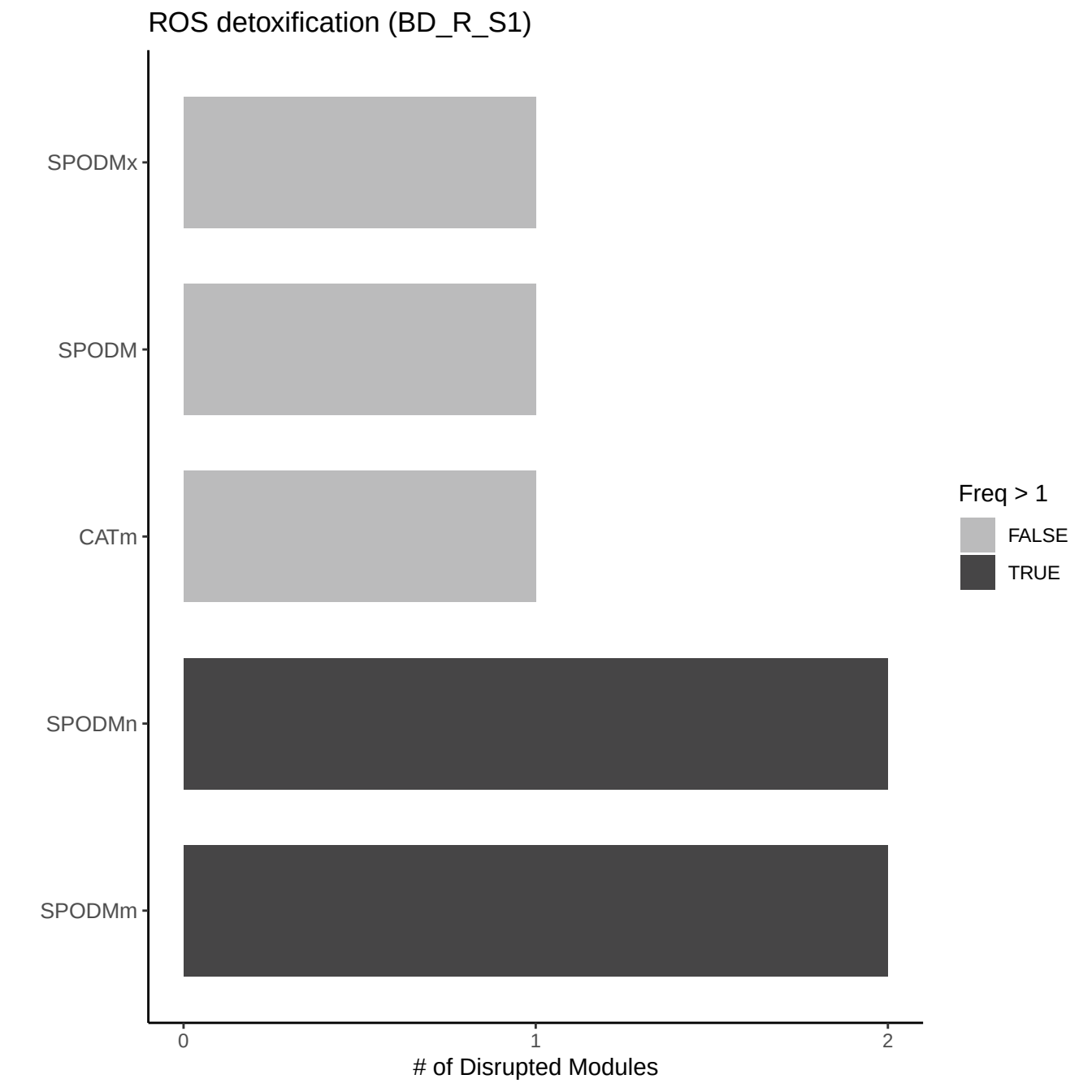
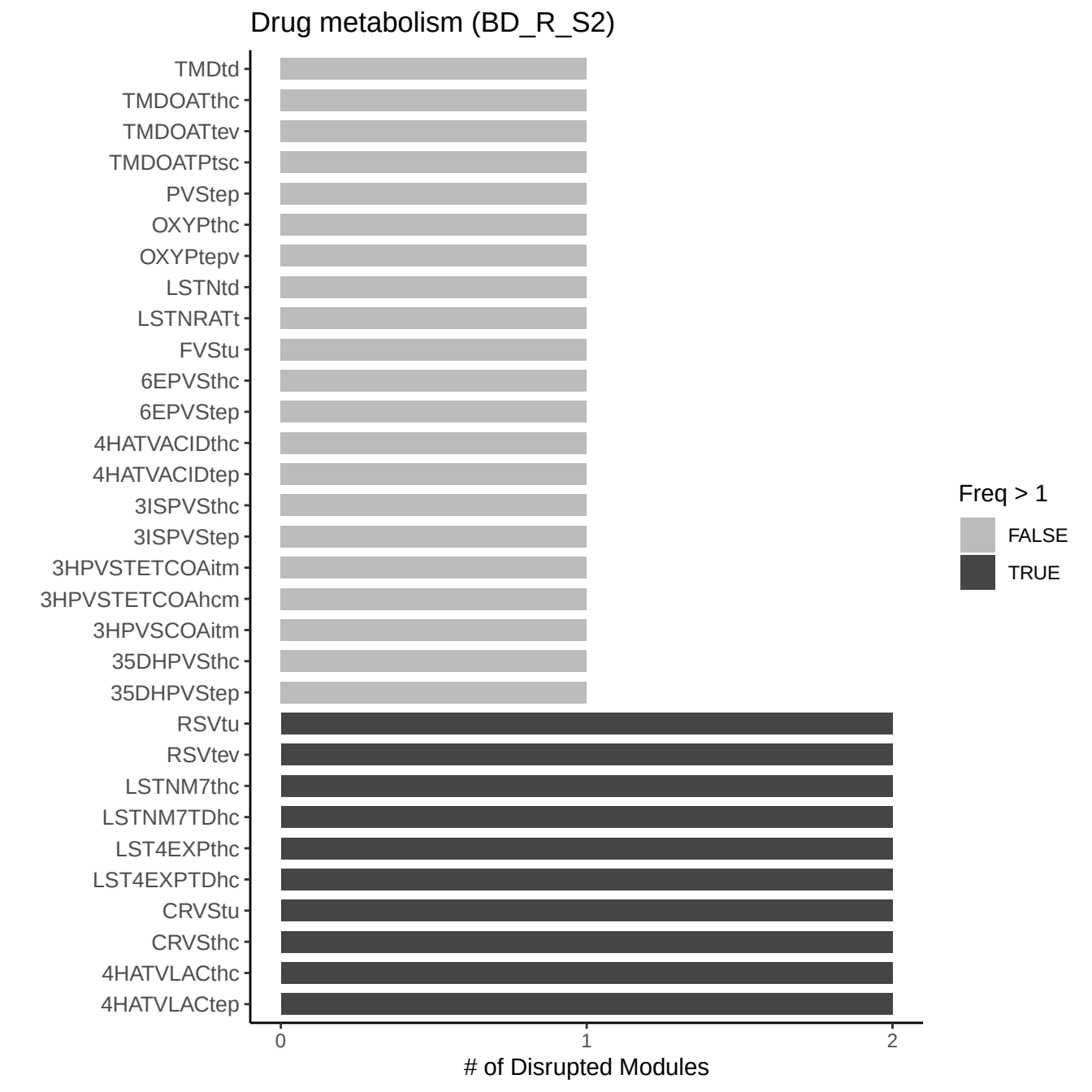
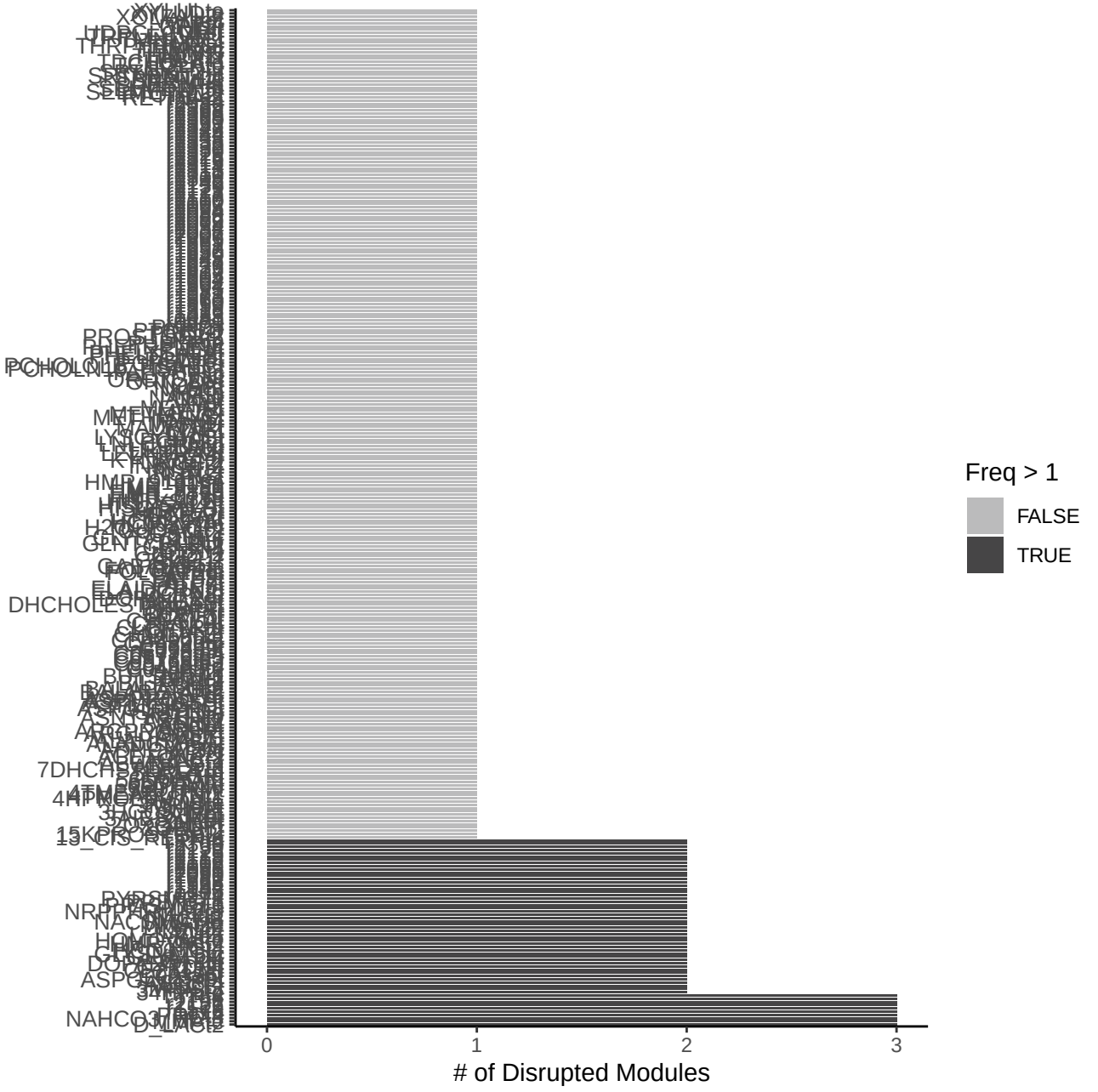

Methionine and cysteine metabolism (BD_S1)
r0595
3SPYRSPm
3SPYRSP
3SALATAim
3SALATAi
SFCYSc
MCLOR
MCLACCYSR
HMR_6515
CYSTA
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

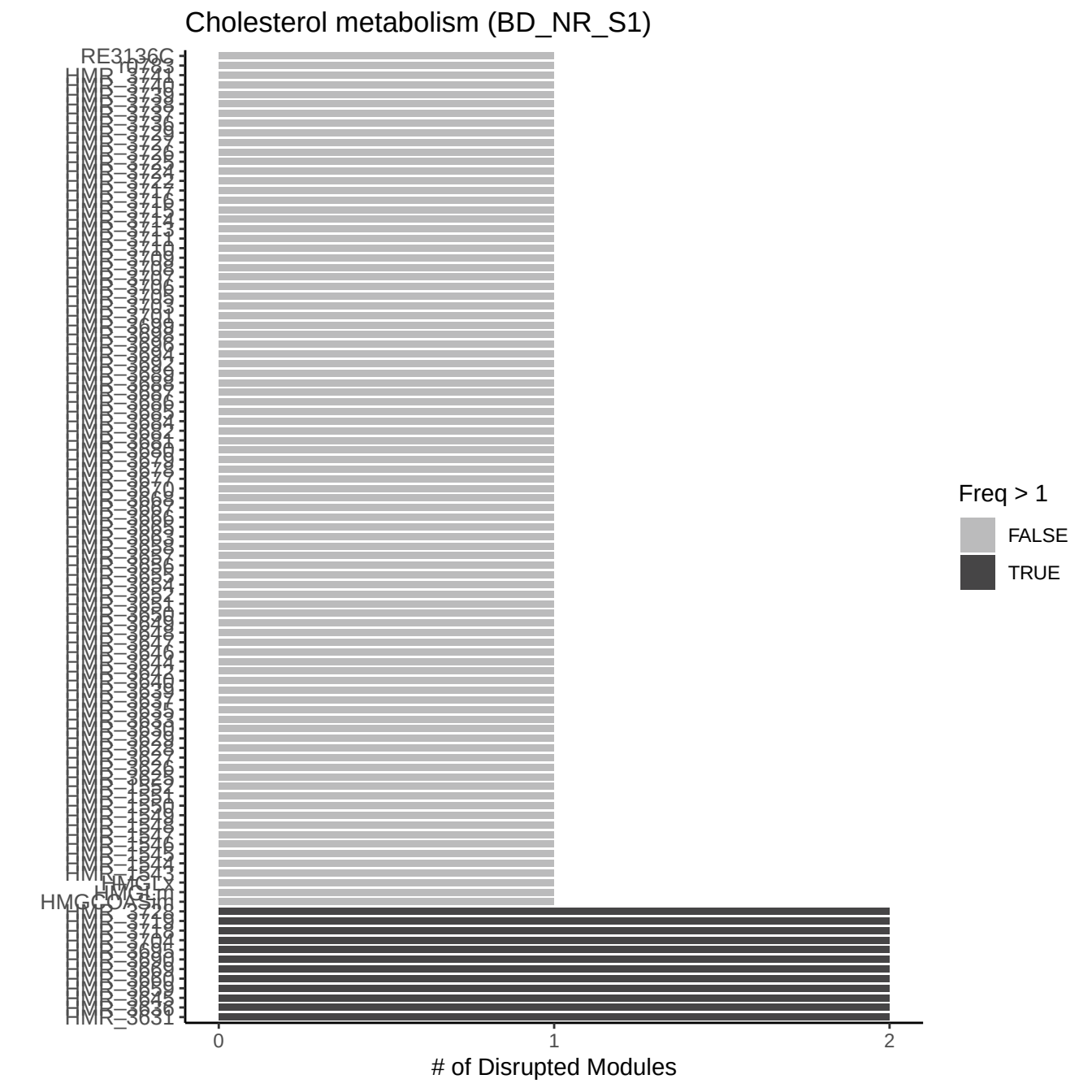

Keratan sulfate degradation (BD_S2)
S6TASE23ly
S6TASE22ly
S6TASE20ly
S6TASE19ly
S6TASE18ly
S6TASE13ly
S6TASE11ly
S6TASE10ly
NAGLCAly
NAGA2ly
NACHEX23ly
NACHEX19ly
NACHEX17ly
NACHEX16ly
NACHEX11ly
GALASE5ly
GALASE3ly
GALASE19ly
GALASE16ly
GALASE13ly
GALASE11ly
GALASE10ly
SIAASE4ly
SIAASE3ly
S6TASE26ly
S6TASE25ly
S6TASE24ly
NACHEX26ly
NACHEX25ly
NACHEX24ly
GALASE20ly
GALASE18ly
GALASE17ly
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

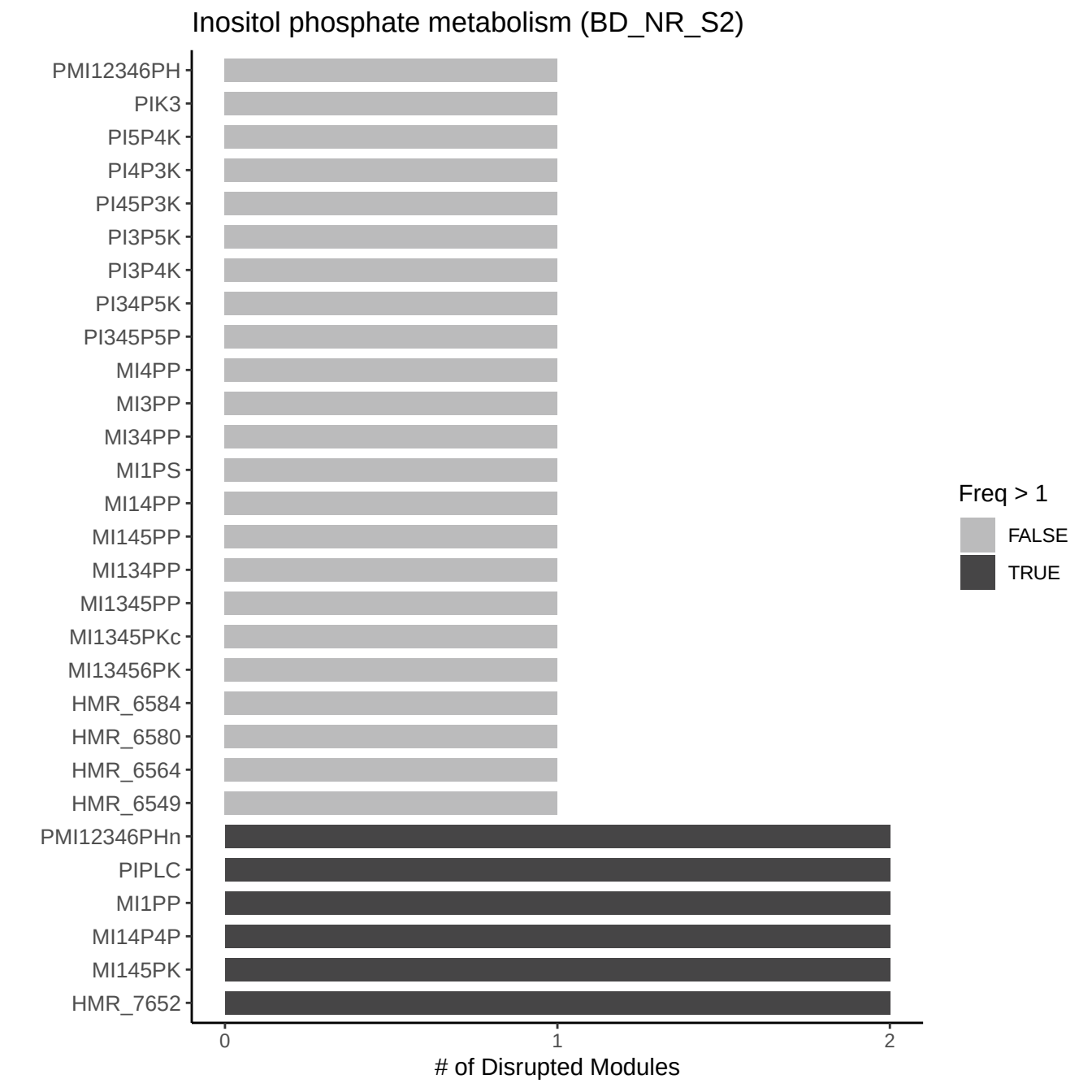

Fatty acid oxidation (BD_S3)
Freq > 1
FALSE
TRUE
0
1
2
3
4
# of Disrupted Modules

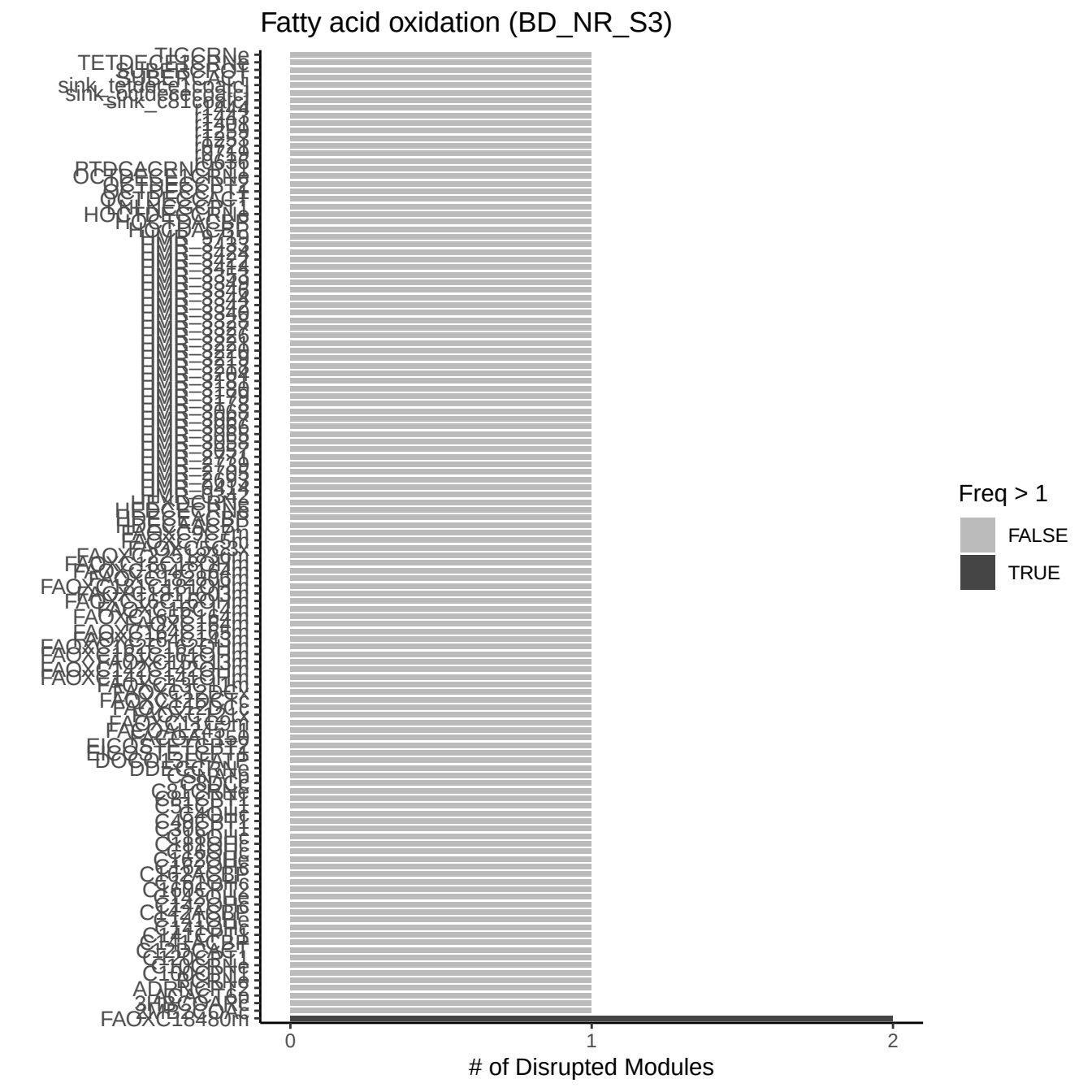

ROS detoxification (BD_R_S1)
SPODMx
SPODM
CATm
SPODMn
SPODMm
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

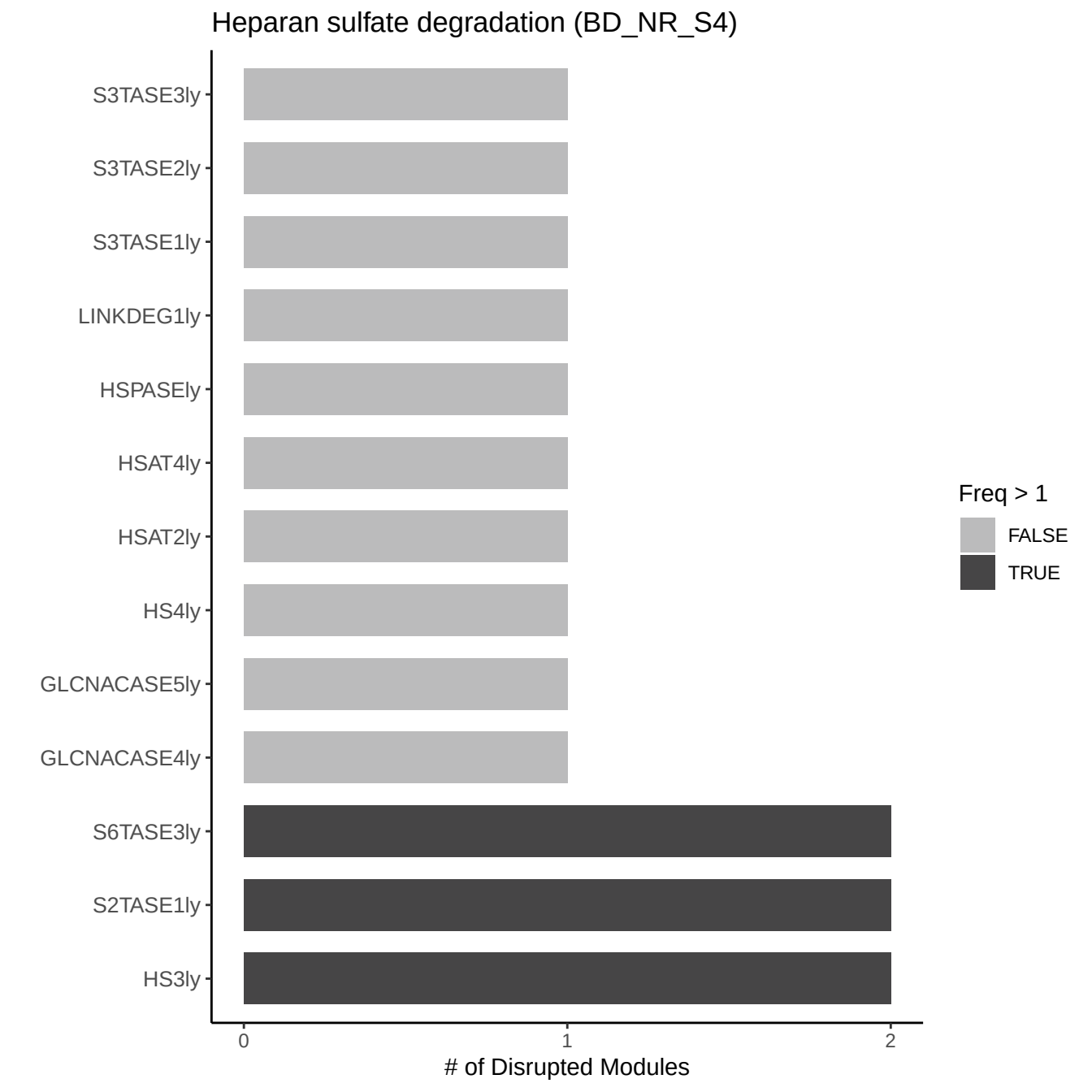

Drug metabolism (BD_R_S2)
TMDtd
TMDOATthc
TMDOATtev
TMDOATPtsc
PVStep
OXYPthc
OXYPtepv
LSTNtd
LSTNRATt
FVStu
6EPVSthc
6EPVStep
4HATVACIDthc
4HATVACIDtep
3ISPVSthc
3ISPVStep
3HPVSTETCOAitm
3HPVSTETCOAhcm
3HPVSCOAitm
35DHPVSthc
35DHPVStep
RSVtu
RSVtev
LSTNM7thc
LSTNM7TDhc
LST4EXPthc
LST4EXPTDhc
CRVStu
CRVSthc
4HATVLACthc
4HATVLACtep
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

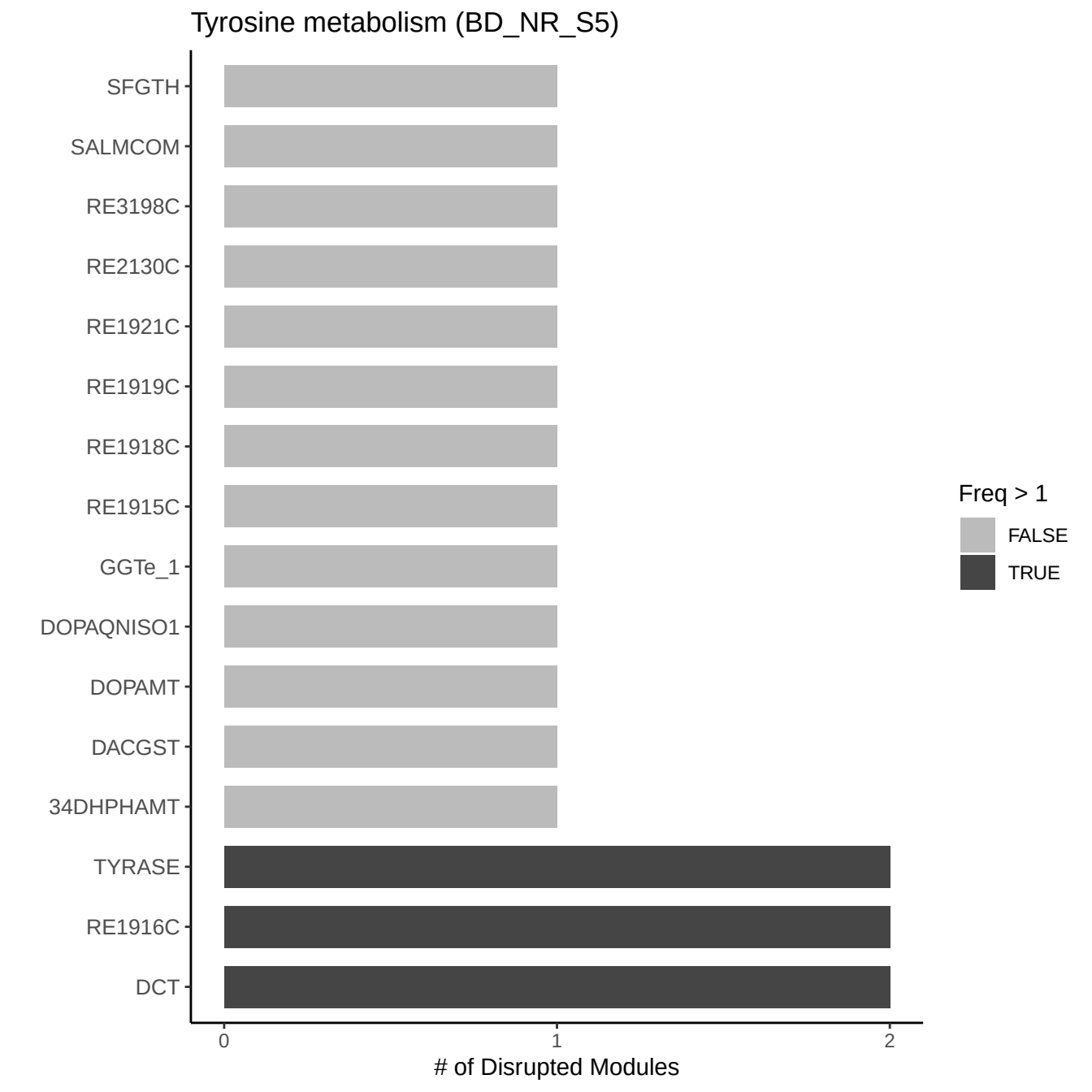

Transport, extracellular (BD_R_S3)
Freq > 1
FALSE
TRUE
0
1
2
3
# of Disrupted Modules

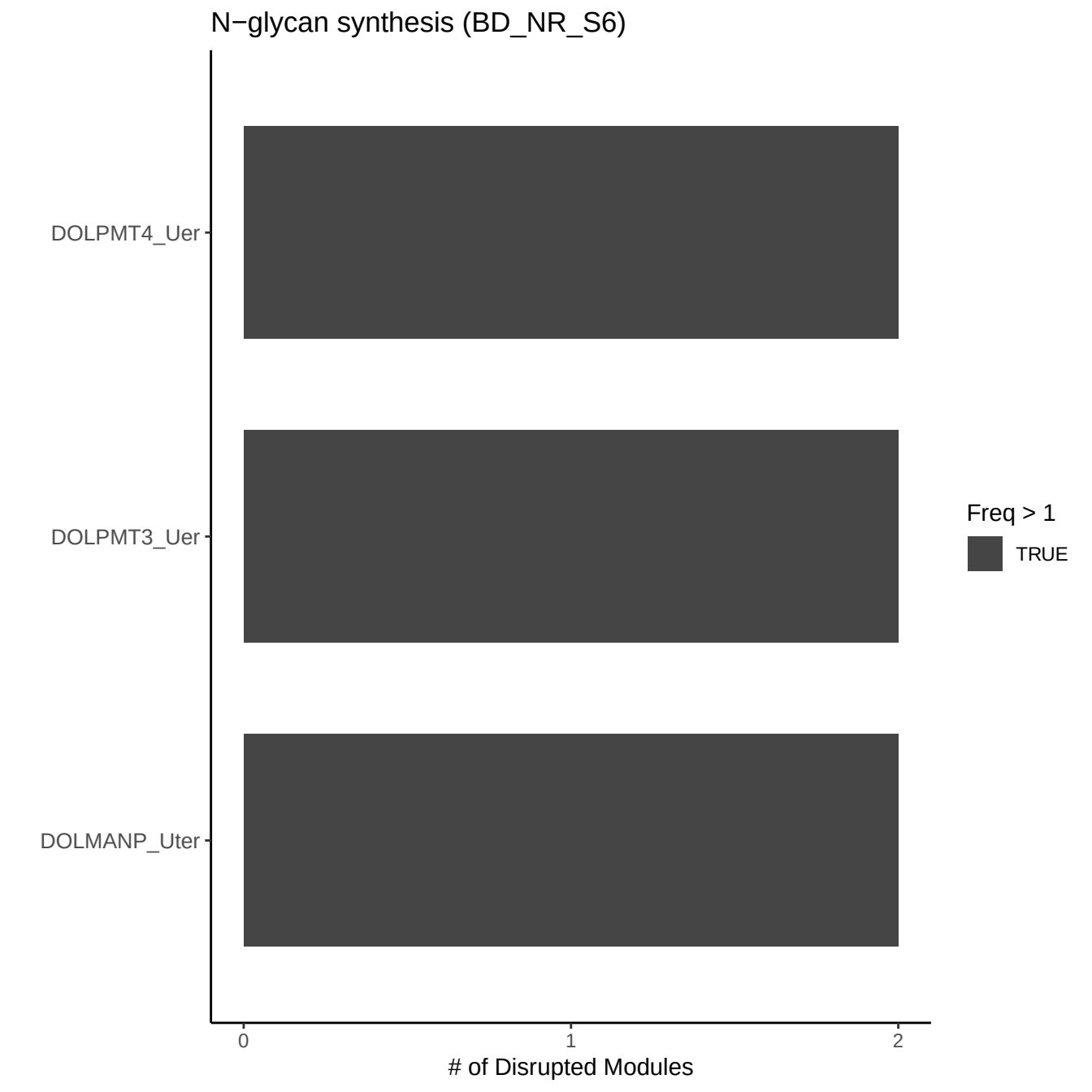

Cholesterol metabolism (BD_NR_S1)
RE3136C
HMGLY
HMGLm
HMGCOASm
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

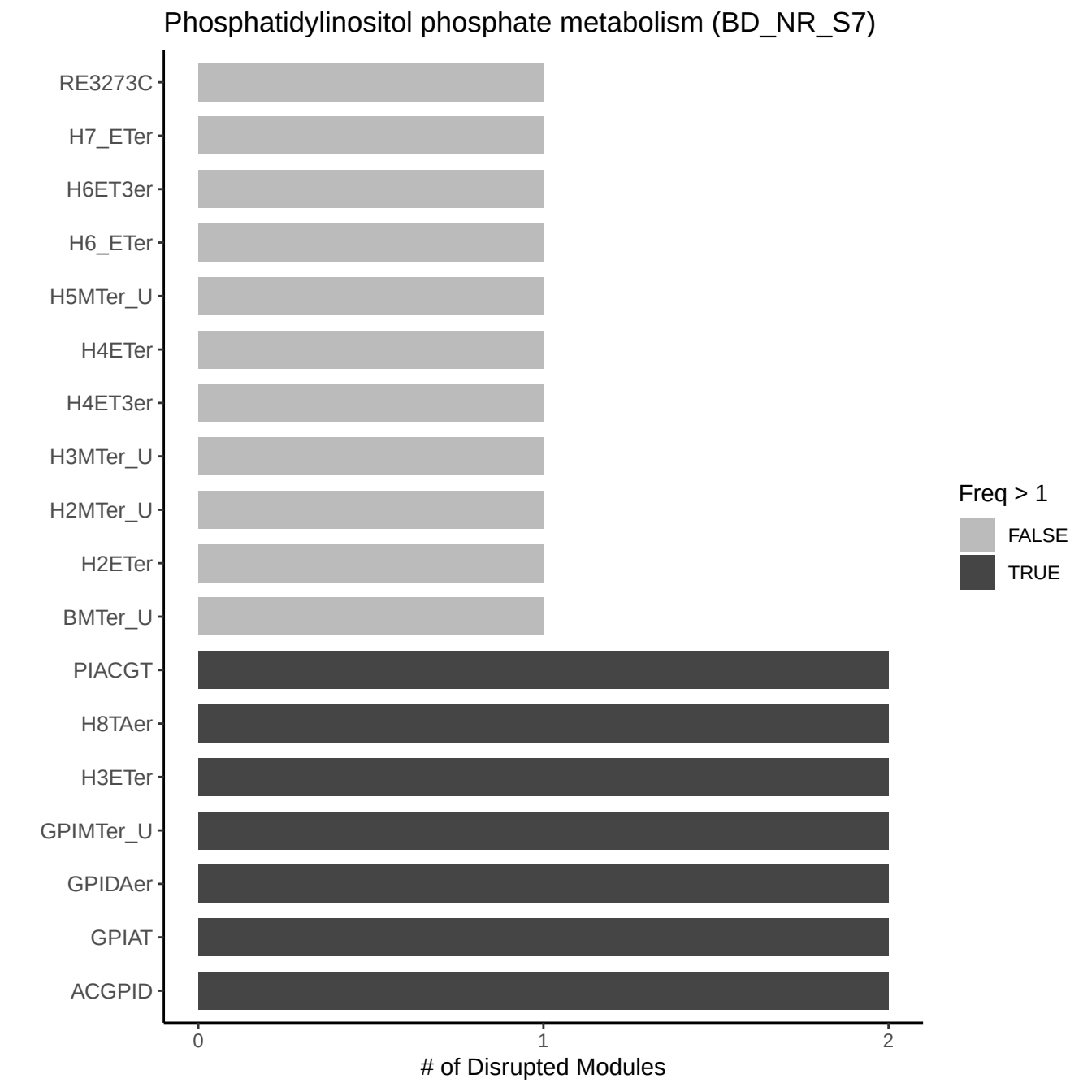

Inositol phosphate metabolism (BD_NR_S2)
PMI12346PH
PIK3
PI5P4K
PI4P3K
PI45P3K
PI3P5K
PI3P4K
PI34P5K
PI345P5P
MI4PP
MI3PP
MI34PP
MI1PS
MI14PP
MI145PP
MI134PP
MI1345PP
MI1345PKc
MI13456PK
HMR_6584
HMR_6580
HMR_6564
HMR_6549
PMI12346PHn
PIPLC
MI1PP
MI14P4P
MI145PK
HMR_7652
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE

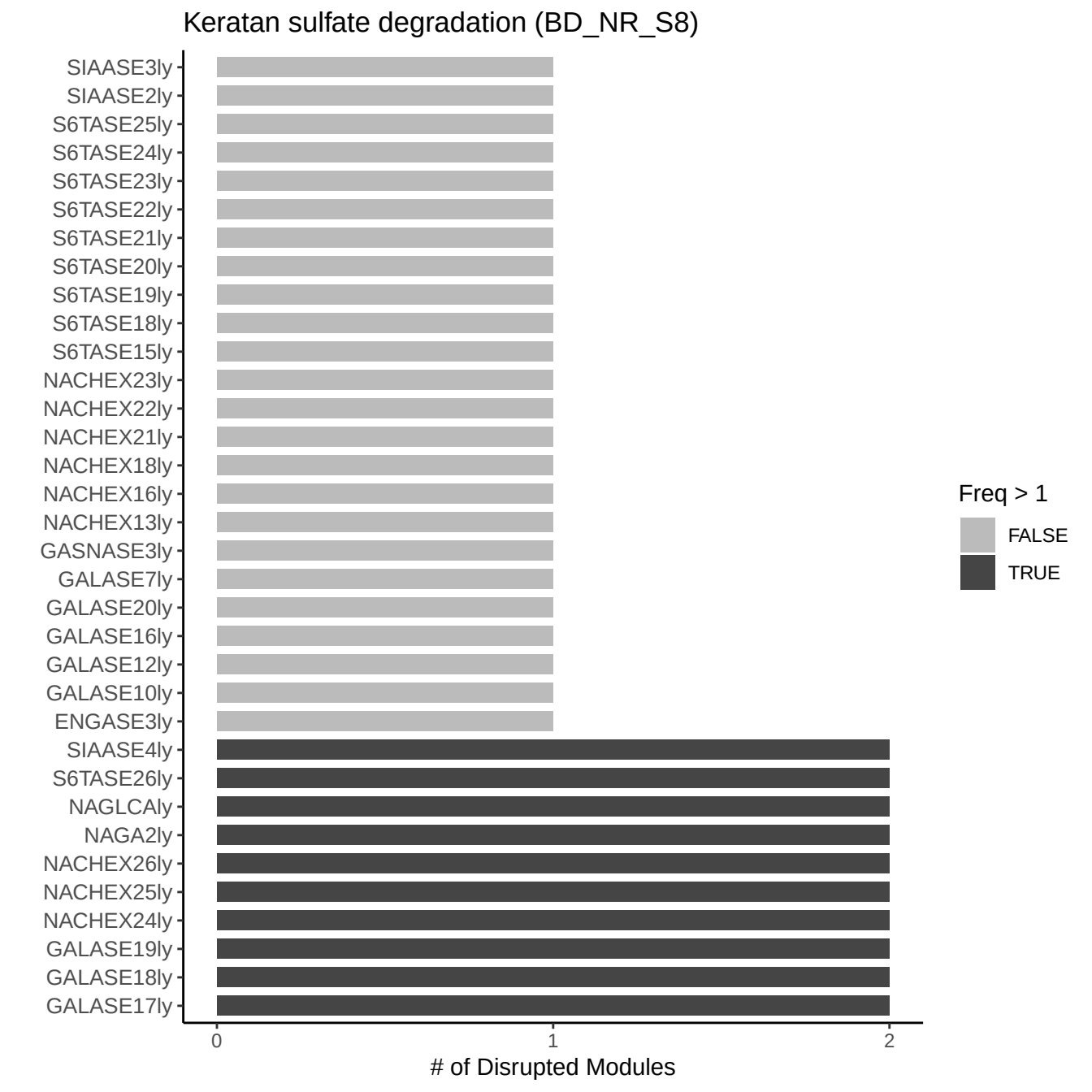

Fatty acid oxidation (BD_NR_S3)
Freq > 1
FALSE
TRUE
0
1
2
# of Disrupted Modules


Heparan sulfate degradation (BD_NR_S4)
S3TASE3ly
S3TASE2ly
S3TASE1ly
LINKDEG1ly
HSPASEly
HSAT4ly
HSAT2ly
HS4ly
GLCNACASE5ly
GLCNACASE4ly
S6TASE3ly
S2TASE1ly
HS3ly
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE


Tyrosine metabolism (BD_NR_S5)
SFGTH
SALMCOM
RE3198C
RE2130C
RE1921C
RE1919C
RE1918C
RE1915C
GGTe_1
DOPAQNISO1
DOPAMT
DACGST
34DHPHAMT
TYRASE
RE1916C
DCT
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE


N−glycan synthesis (BD_NR_S6)
DOLPMT4_Uer
DOLPMT3_Uer
DOLMANP_Uter
0
1
2
# of Disrupted Modules
Freq > 1
TRUE


Phosphatidylinositol phosphate metabolism (BD_NR_S7)
RE3273C
H7_ETer
H6ET3er
H6_ETer
H5MTer_U
H4ETer
H4ET3er
H3MTer_U
H2MTer_U
H2ETer
BMTer_U
PIACGT
H8TAer
H3ETer
GPIMTer_U
GPIDAer
GPIAT
ACGPID
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE


Keratan sulfate degradation (BD_NR_S8)
SIAASE3ly
SIAASE2ly
S6TASE25ly
S6TASE24ly
S6TASE23ly
S6TASE22ly
S6TASE21ly
S6TASE20ly
S6TASE19ly
S6TASE18ly
S6TASE15ly
NACHEX23ly
NACHEX22ly
NACHEX21ly
NACHEX18ly
NACHEX16ly
NACHEX13ly
GASNASE3ly
GALASE7ly
GALASE20ly
GALASE16ly
GALASE12ly
GALASE10ly
ENGASE3ly
SIAASE4ly
S6TASE26ly
NAGLCAly
NAGA2ly
NACHEX26ly
NACHEX25ly
NACHEX24ly
GALASE19ly
GALASE18ly
GALASE17ly
0
1
2
# of Disrupted Modules
Freq > 1
FALSE
TRUE