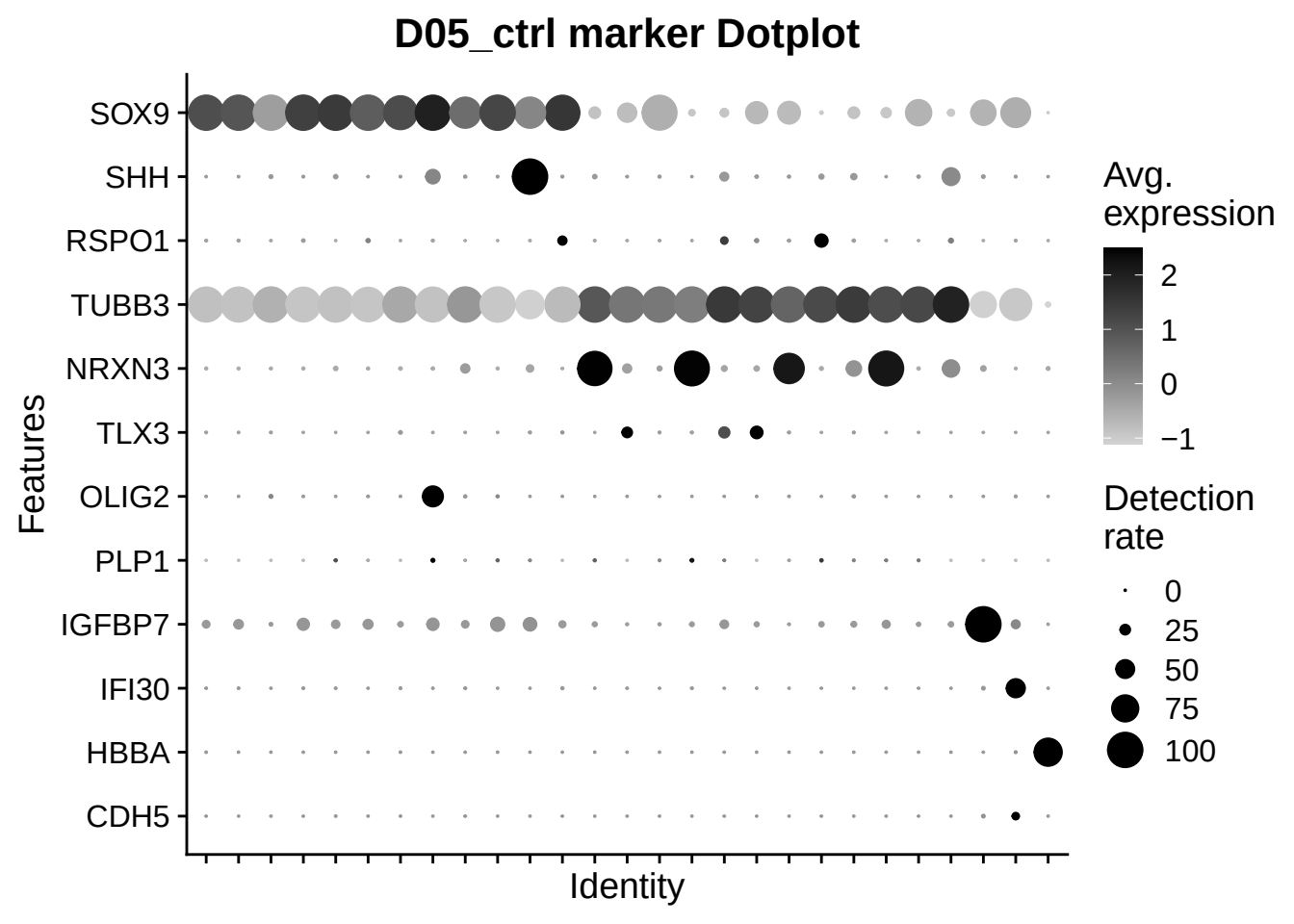
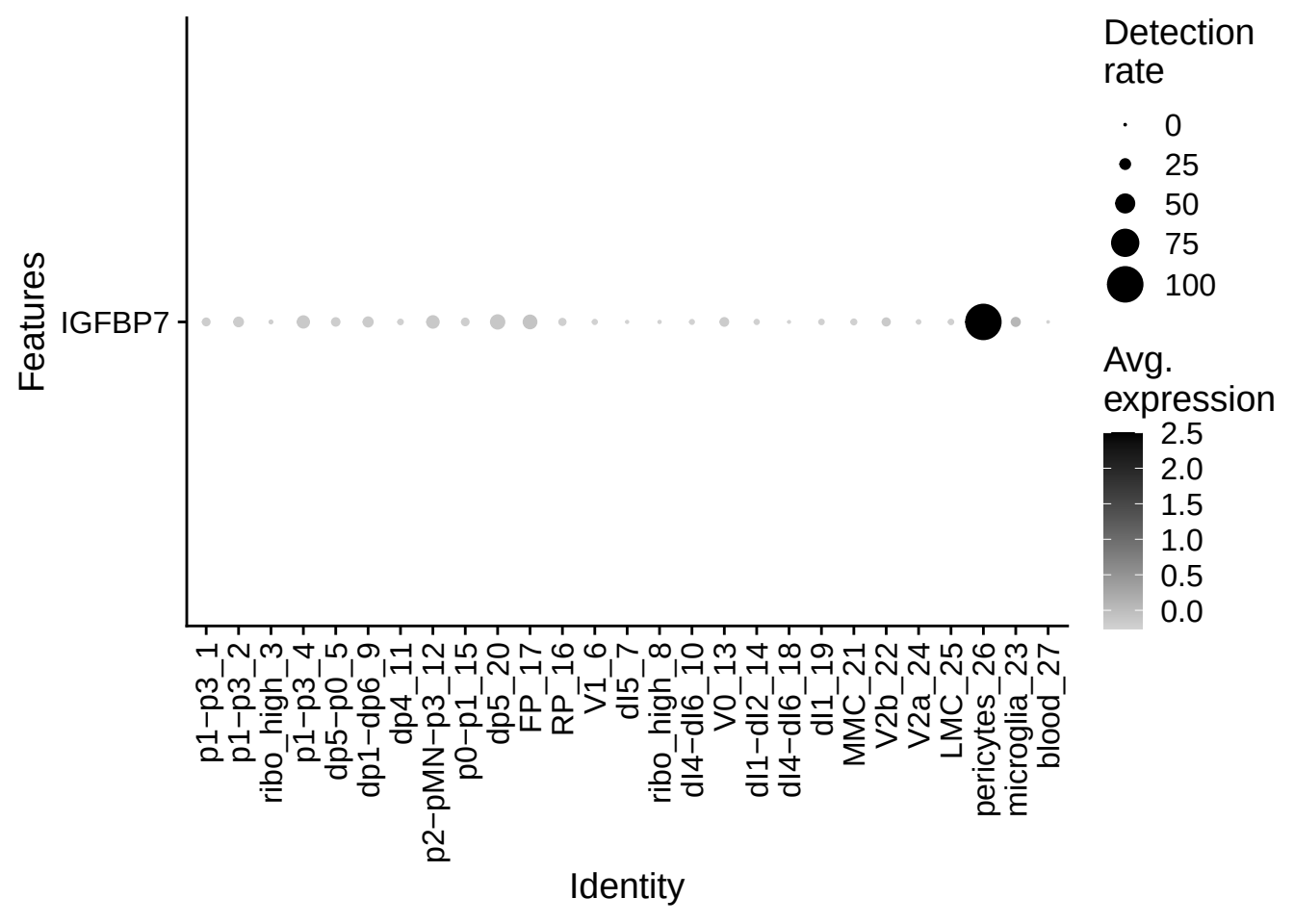
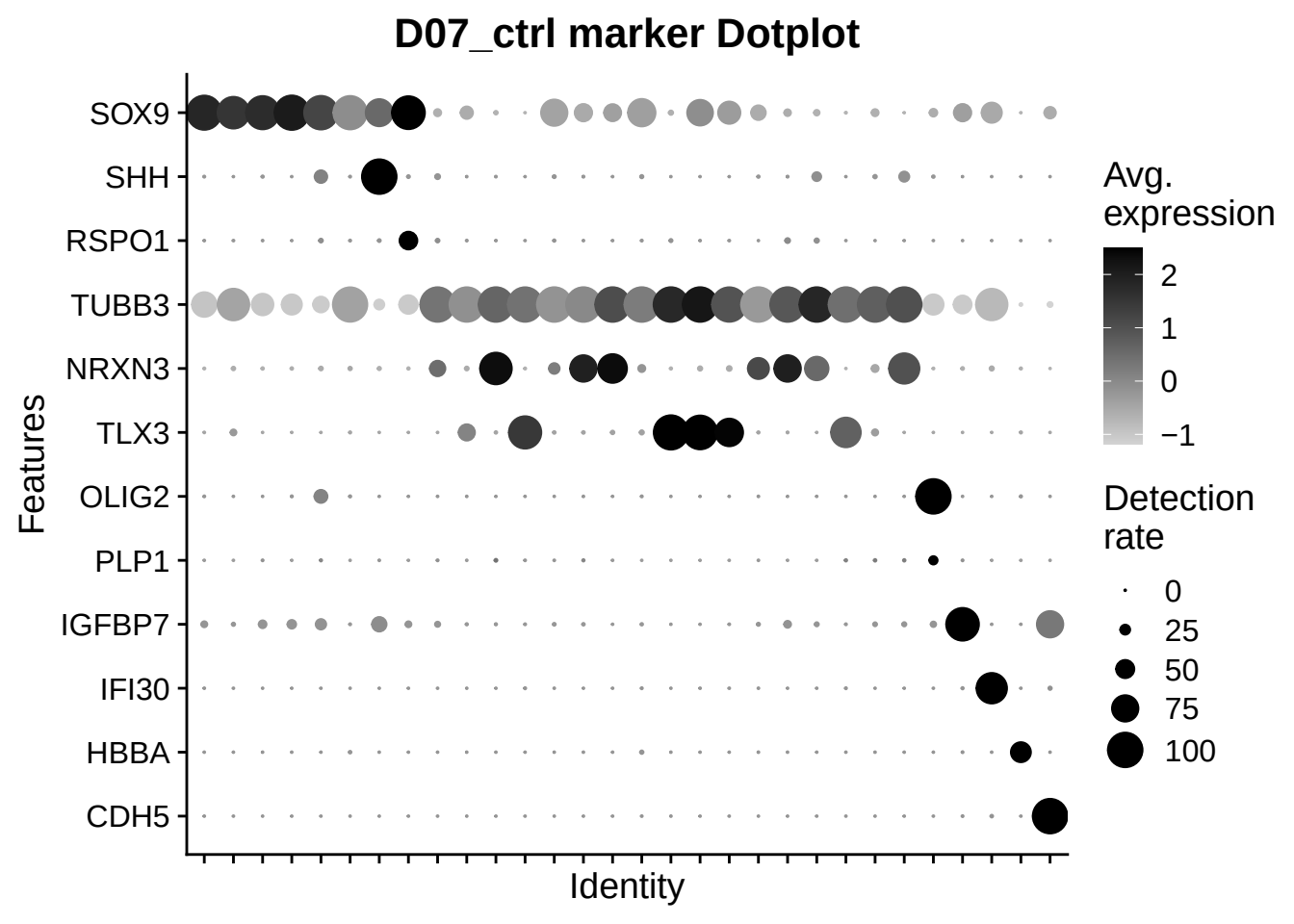

D05_ctrl marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Avg. expression
2
1
0
−1
Detection rate
0
25
50
75
100


Features
IGFBP7
p1−p3_1
p1−p3_2
ribo_high_3
p1−p3_4
dp5−p0_5
dp1−dp6_9
dp4_11
p2−pMN−p3_12
p0−p1_15
dp5_20
FP_17
RP_16
V1_6
dl5_7
ribo_high_8
dl4−dl6_10
V0_13
dl1−dl2_14
dl4−dl6_18
dl1_19
MMC_21
V2b_22
V2a_24
LMC_25
pericytes_26
microglia_23
blood_27
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0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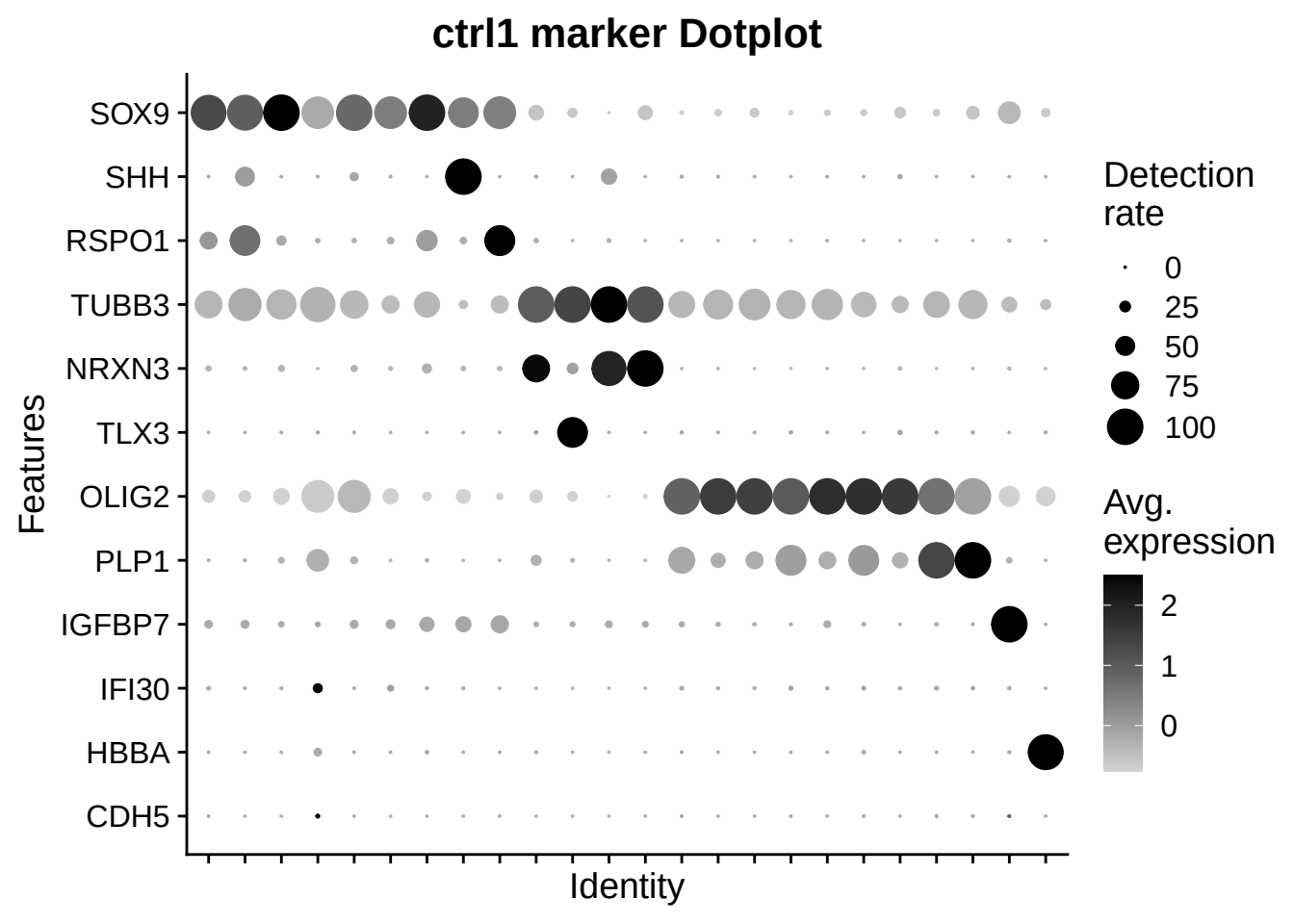
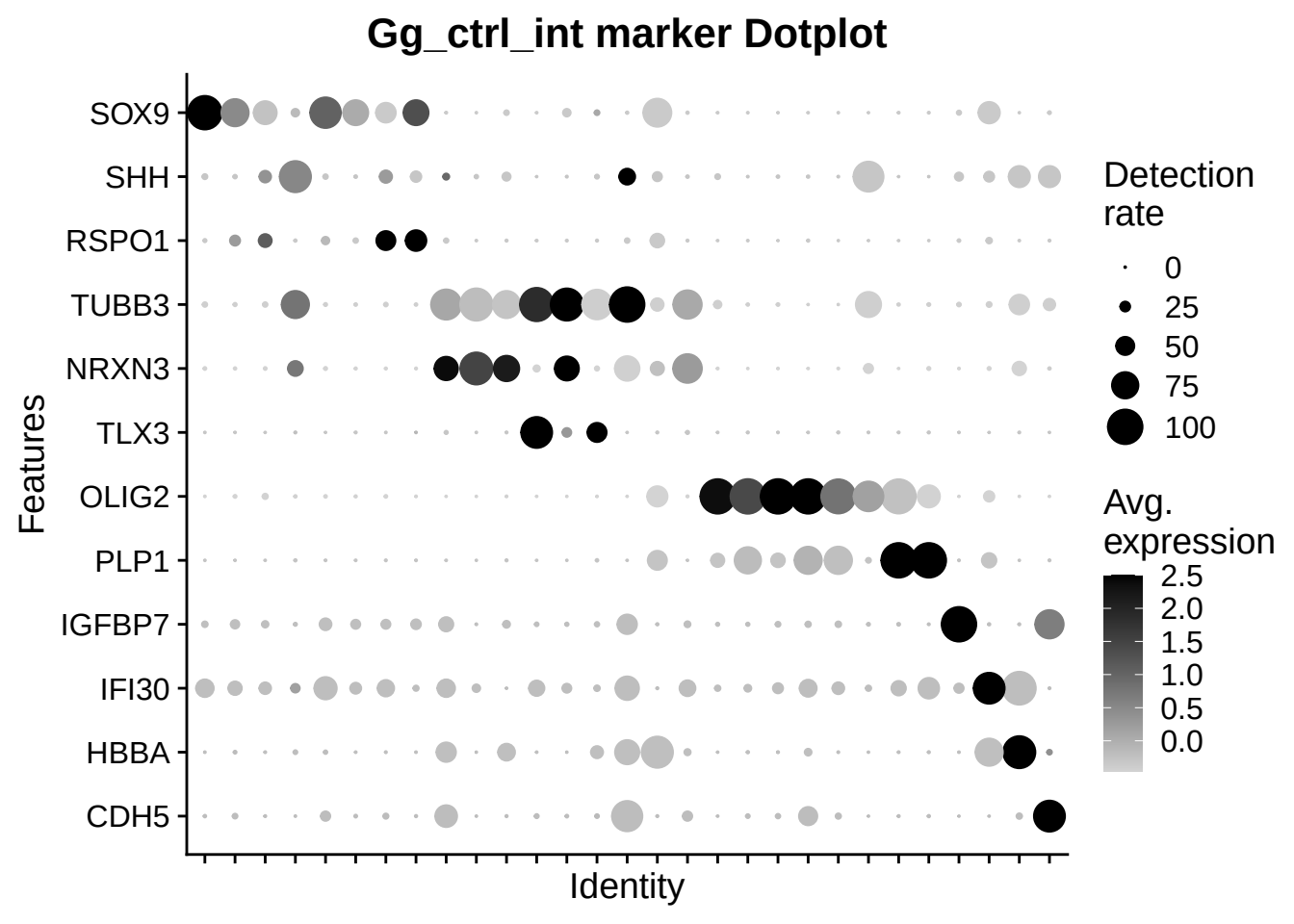
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Avg. expression
2
1
0
−1
Detection rate
0
25
50
75
100

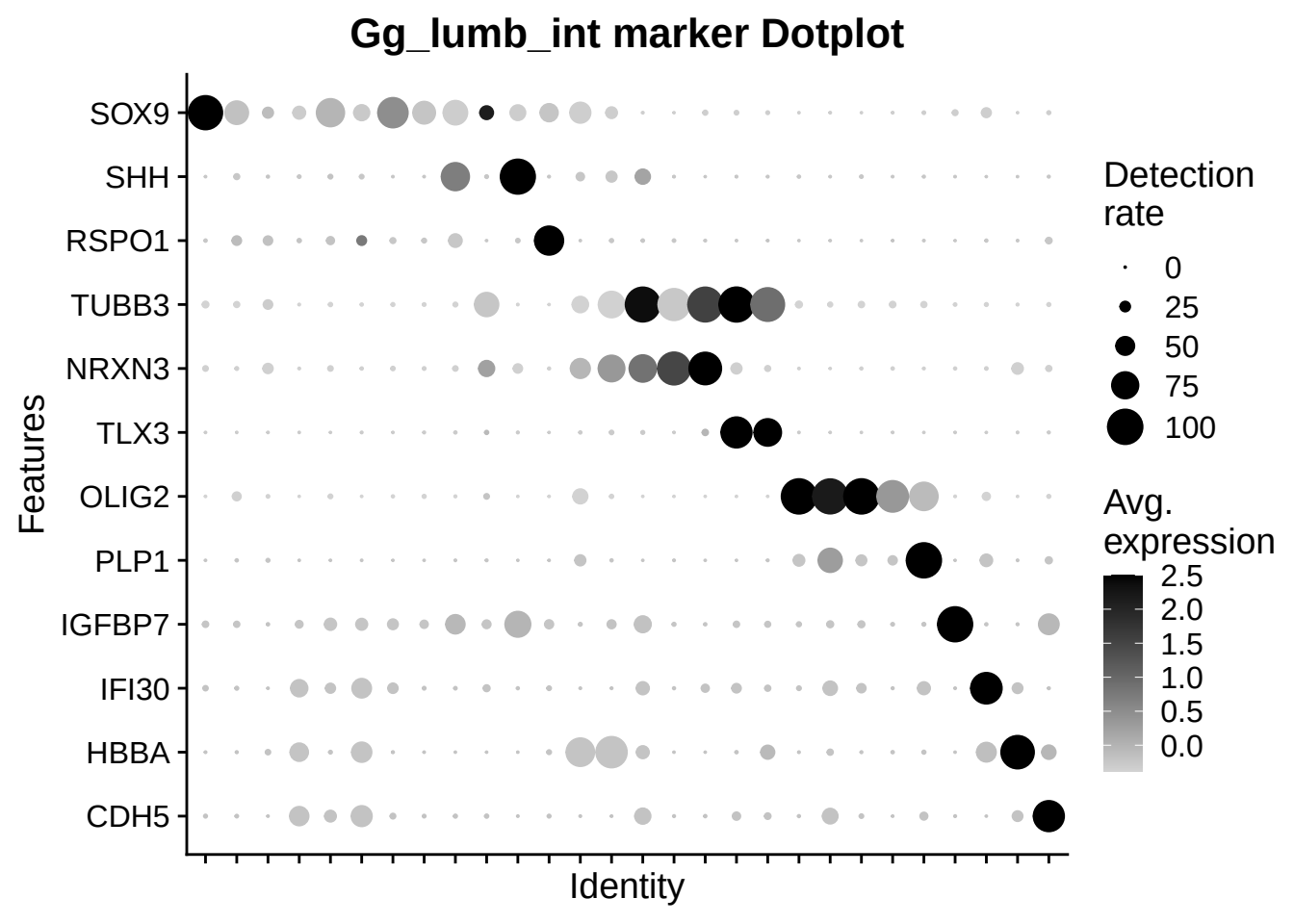
Features
IGFBP7
dp1−dp3_2
dp1−dp4_7
dp5−p1_15
dp1−dp3_16
p2−p3_18
p0−p3_19
FP_21
RP_25
inhibitory_neurons_1
excitatory_neurons_3
inhibitory_neurons_4
dI3−dI5_5
high_MT_neurons_6
inhibitory_neurons_8
inhibitory_neurons_9
inhibitory_neurons_10
excitatory_neurons_11
excitatory_neurons_12
excitatory_neurons_13
inhibitory_neurons_14
inhibitory_neurons_20
MN_22
excitatory_neurons_24
inhibitory_neurons_26
inhibitory_neurons_29
OPC_17
pericytes_23
microglia_27
blood_28
vasculature_30
Identity
Detection rate
0
25
50
75
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0


ctrl1 marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2
1
0

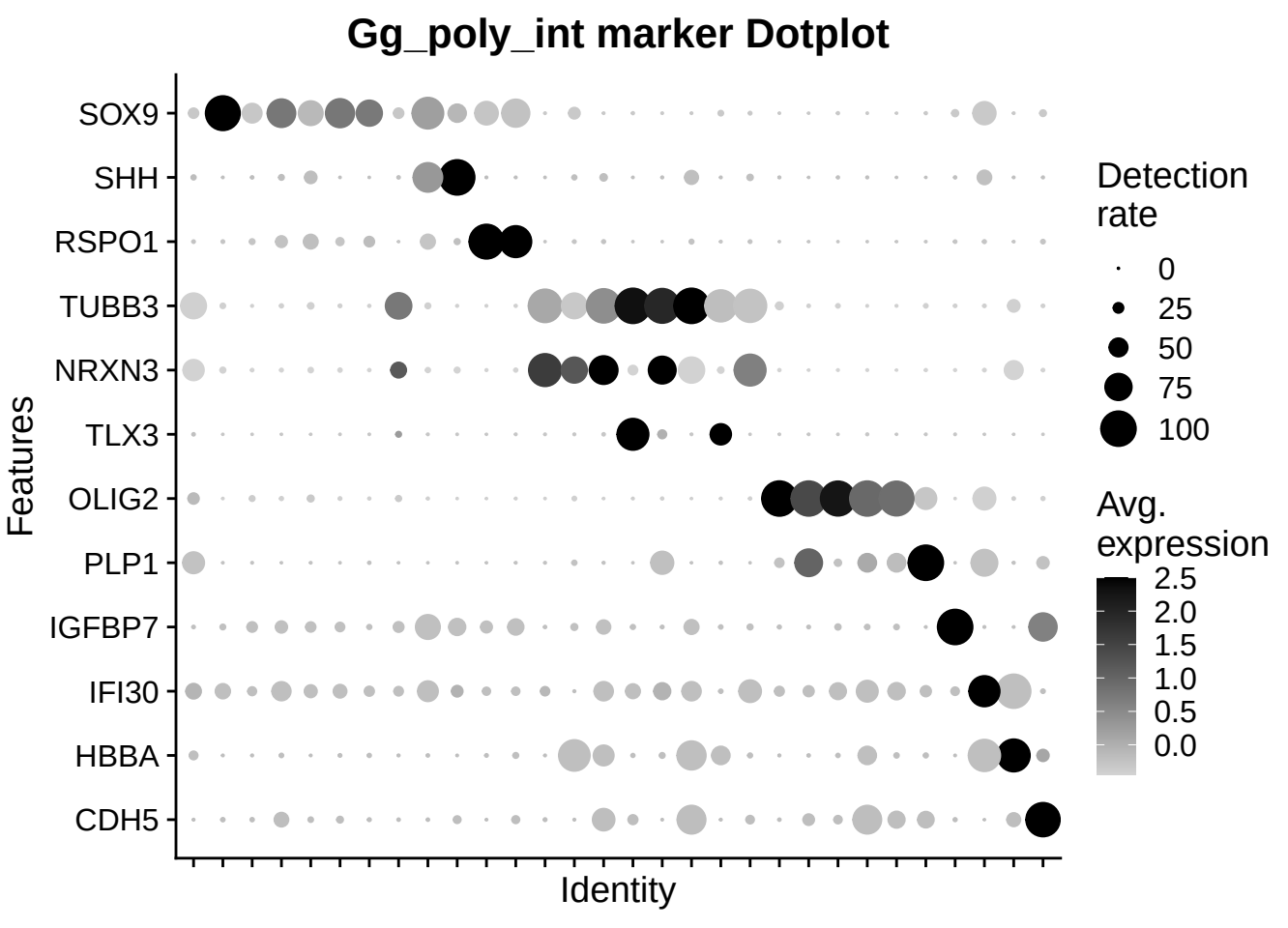
Features
IGFBP7
progenitors_1
progenitors_2
progenitors_5
progenitors_10
progenitors_11
progenitors_15
progenitors_17
FP_20
RP_24
inhibitory_neurons_7
exitatory_neurons_18
MN_22
CSF−cNS_23
OPC_3
OPC_4
OPC_6
OPC_8
OPC_12
OPC_13
OPC_21
MFOL_early_9
MFOL_14
pericytes_16
blood_19
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0


Gg_ctrl_int marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0

Features
IGFBP7
progenitors_2
progenitors_3
progenitors_4
progenitors_8
progenitors_9
progenitors_11
progenitors_21
FP/RP_17
inhibitory_neurons_7
inhibitory_neurons_10
inhibitory_neurons_14
excitatory_neurons_15
inhibitory_neurons_22
excitatory_neurons_23
MN_24
neurons_high_MT_25
inhibitory_neurons_26
OPC_1
OPC_5
OPC_6
OPC_12
OPC_13
OPC_high_ribo_27
MFOL_19
MFOL_20
pericytes_16
microglia_28
blood_18
vasculature_29
Identity
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0
Detection rate
25
50
75
100


Gg_lumb_int marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0

Features
IGFBP7
progenitors_3
progenitors_4
progenitors_5
progenitors_MSX2_6
progenitors_7
progenitors_MSX2_10
progenitors_11
progenitors_16
progenitors_25
progenitor_olig2_tubb3_27
FP_23
RP_13
inhibitory_neurons_8
inhibitory_neurons_12
inhibitory_neurons_14
inhibitory_neurons_18
inhibitory_neurons_19
excitatory_neurons_20
excitatory_neurons_22
OPC_1
OPC_2
OPC_17
OPC_high_rb_21
MFOL_9
pericytes_15
microglia_26
blood_24
vasculature_28
Identity
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0
Detection rate
25
50
75


Gg_poly_int marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0

Features
IGFBP7
progenitors_1
progenitors_4
progenitors_5
progenitors_6
progenitors_7
progenitors_10
progenitors_MSX2_17
progenitors_olig2_tubb3_18
progenitors_25
FP_12
RP_16
RP_26
inhibitory_neurons_8
inhibitory_neurons_9
inhibitory_neurons_13
excitatory_neuron_20
neurons_21
MN_24
excitatory_neuron_28
CSF−cNS_29
OPC_2
OPC_3
OPC_11
OPC_14
OPC_19
MFOL_15
pericytes_23
microglia_27
blood_22
vasculature_30
Identity
expression
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2.0
1.5
1.0
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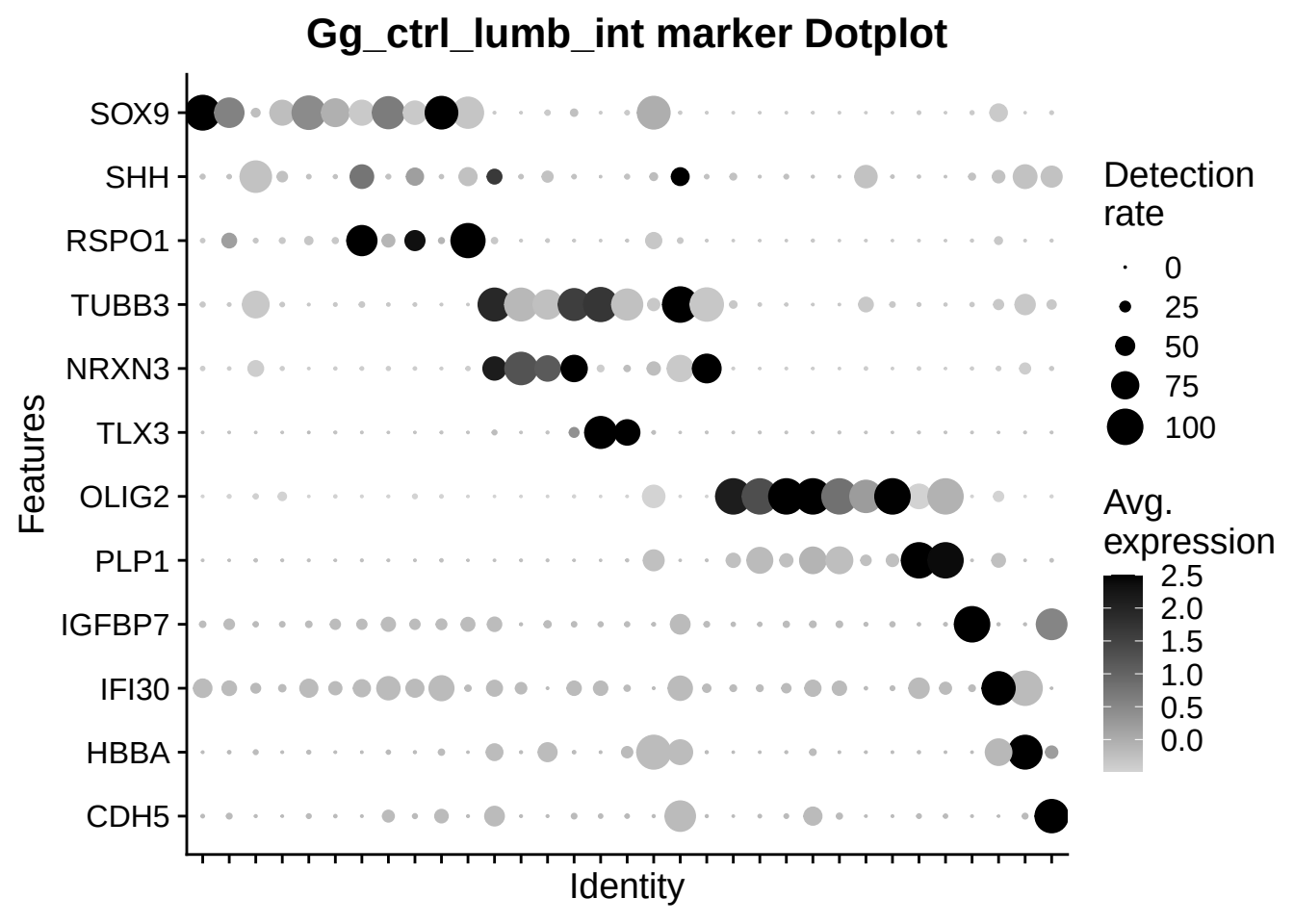
0.0
Detection rate
25
50
75
100


Gg_ctrl_lumb_int marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0

Features
IGFBP7
progenitors_1
progenitors_3
progenitors_6
progenitors_10
progenitors_MSX2_11
progenitors_13
progenitors_15
progenitors_16
progenitors_18
progenitors_MSX2_24
FP/RP_19
inhibitory_neurons_5
inhibitory_neurons_8
neurons_12
inhibitory_neurons_14
excitatory_neurons_20
excitatory_neurons_23
neurons_27
MN_31
inhibitory_neurons_33
OPC_2
OPC_4
OPC_7
OPC_9
OPC_26
OPC_28
OPC_29
MFOL_21
MFOL_22
pericytes_17
microglia_30
blood_25
vasculature_32
Identity
Avg. expression
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2.0
1.5
1.0
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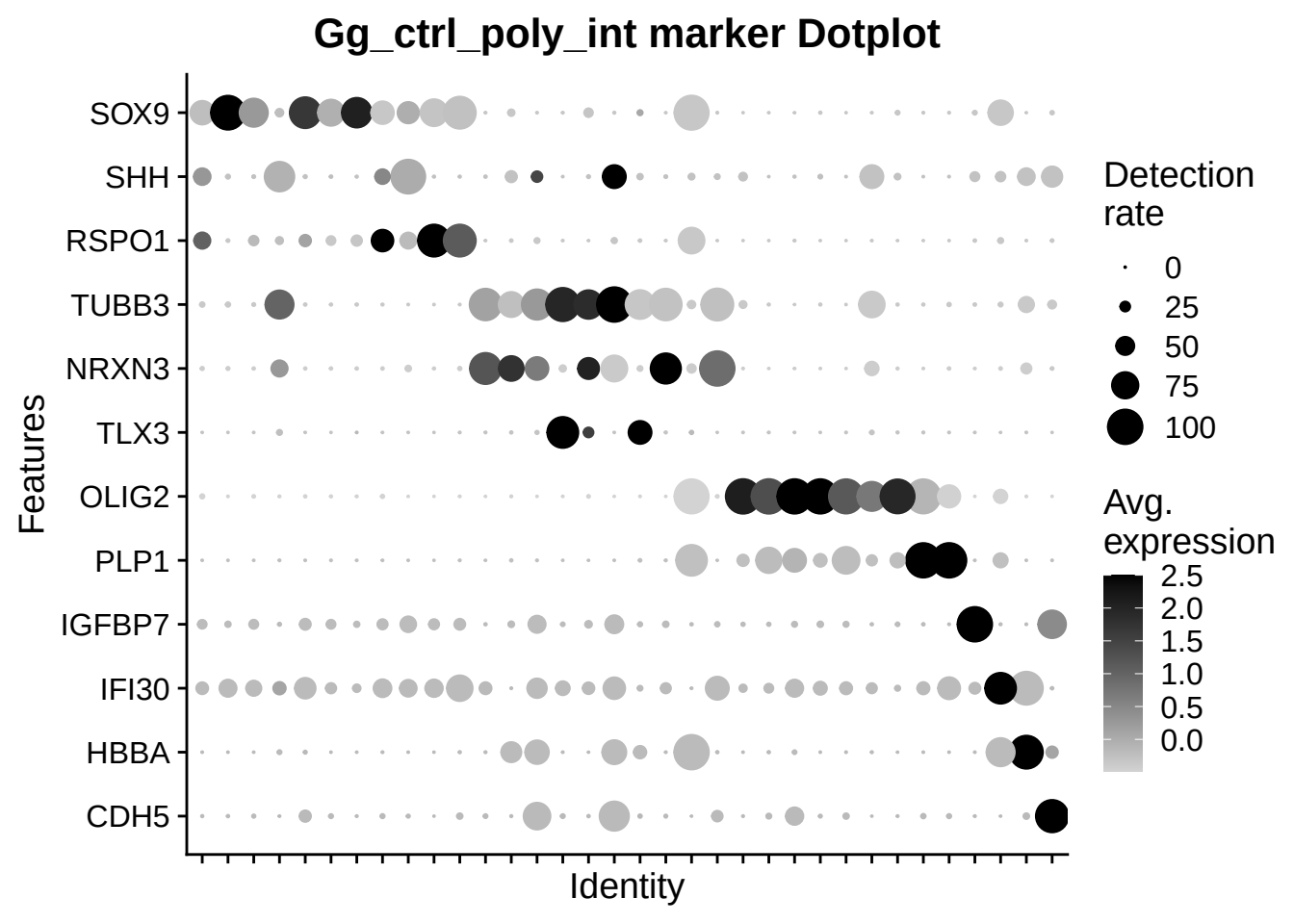
0.0
Detection rate
25
50
75
100


Gg_ctrl_poly_int marker Dotplot
SOX9
SHH
RSPO1
TUBB3
NRXN3
TLX3
OLIG2
PLP1
IGFBP7
IFI30
HBBA
CDH5
Features
Identity
Detection rate
0
25
50
75
100
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0

Features
IGFBP7
progenitors_2
progenitors_3
progenitors_4
progenitors_5
progenitors_7
progenitors_15
progenitors_19
progenitors_27
FP_22
RP_23
RP_33
inhibitory_neurons_8
inhibitory_neurons_9
inhibitory_neurons_11
excitatory_neurons_16
inhibitory_neurons_17
MN_25
excitatory_neurons_26
inhibitory_neurons_28
neurons_high_MT_32
CSF−cNS_34
OPC_1
OPC_6
OPC_10
OPC_13
OPC_14
OPC_24
OPC_30
MFOL_12
MFOL_18
pericytes_20
microglia_29
blood_21
vasculature_31
Identity
Avg. expression
2.5
2.0
1.5
1.0
0.5
0.0
Detection rate
25
50
75
100