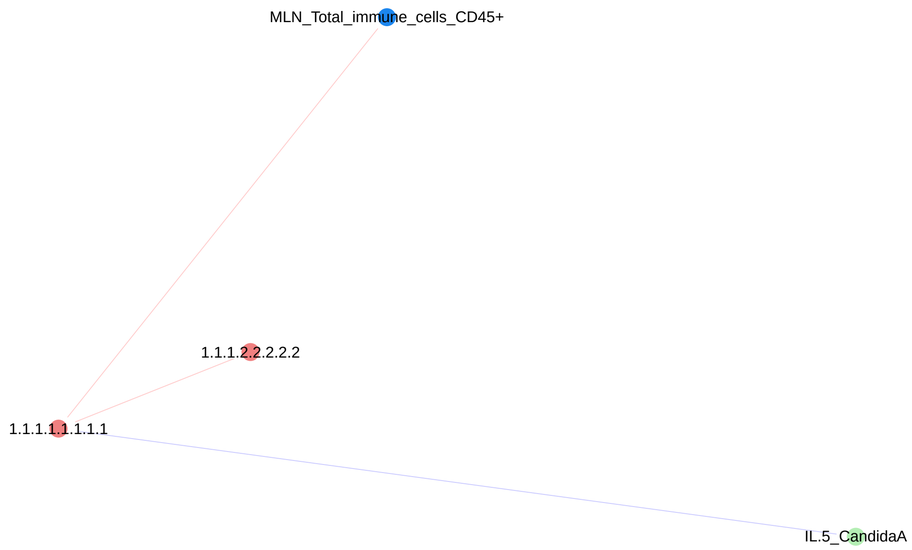
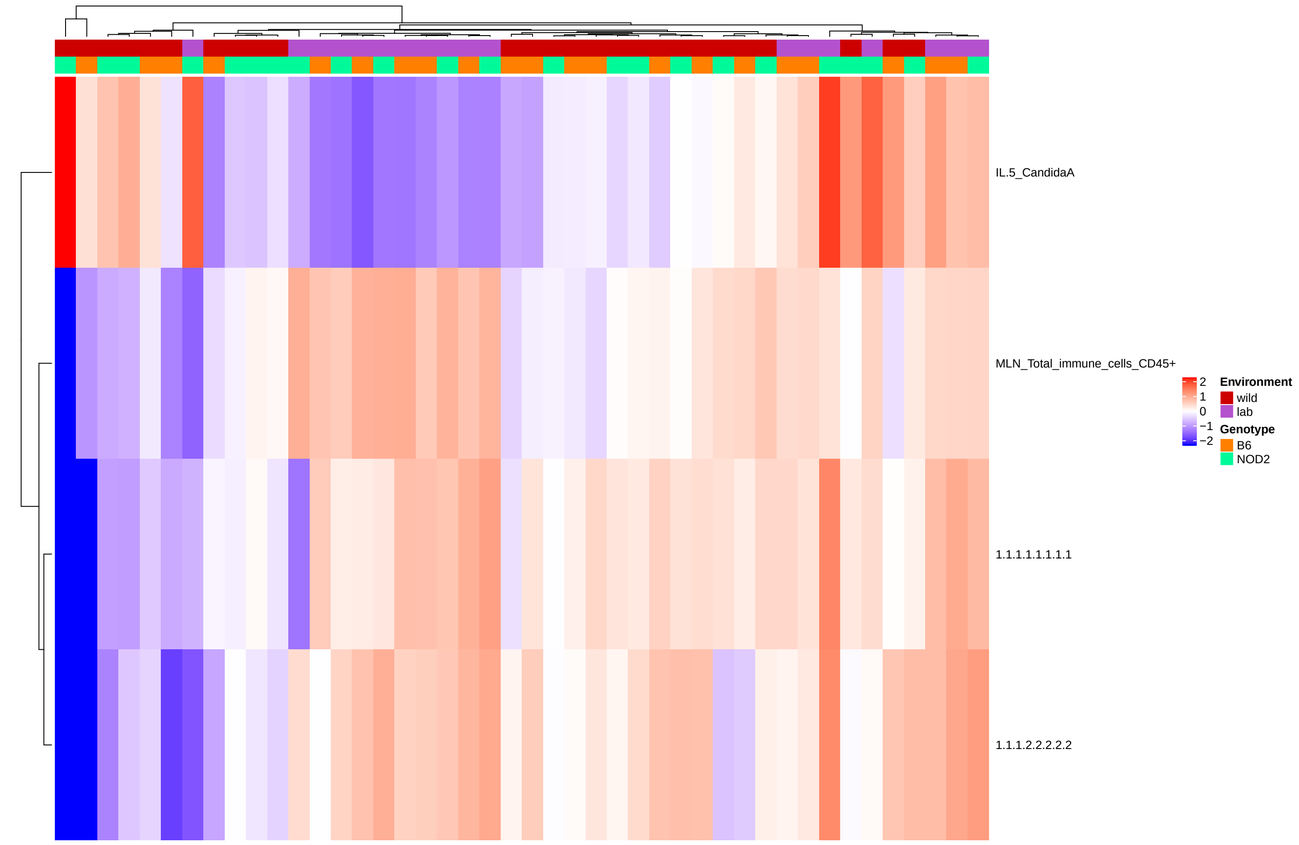
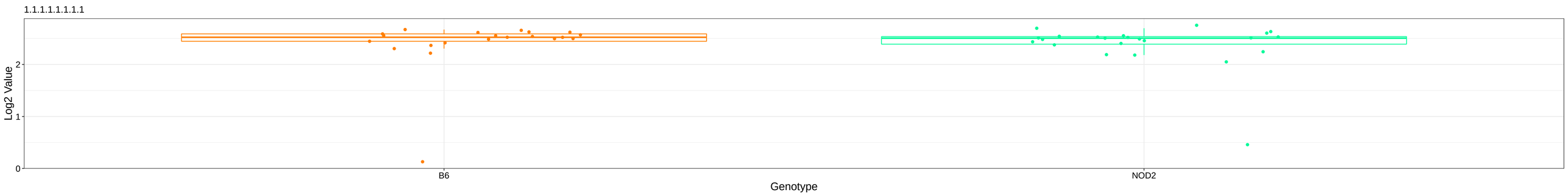
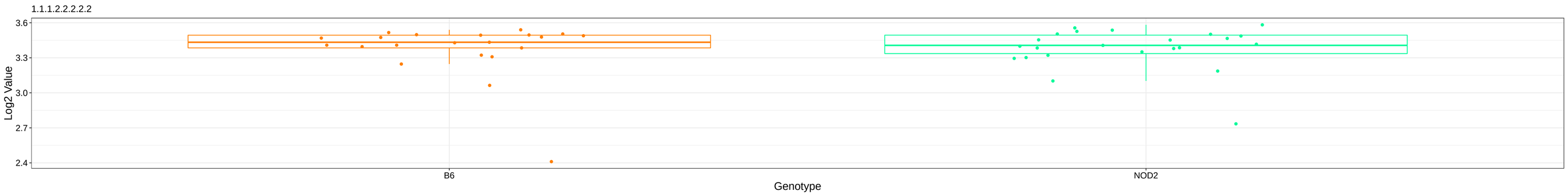
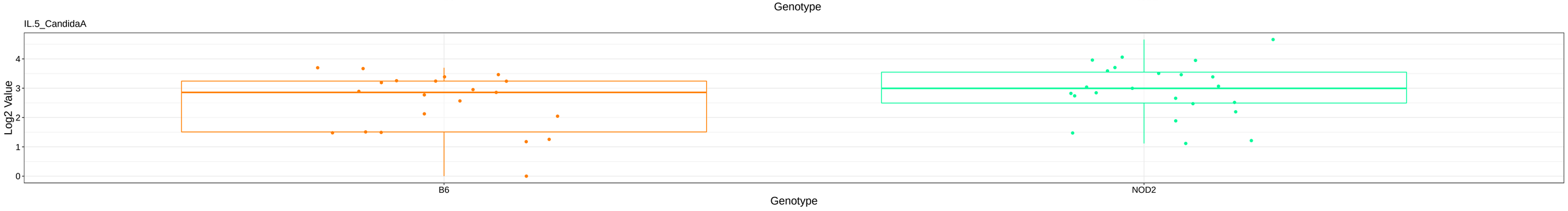
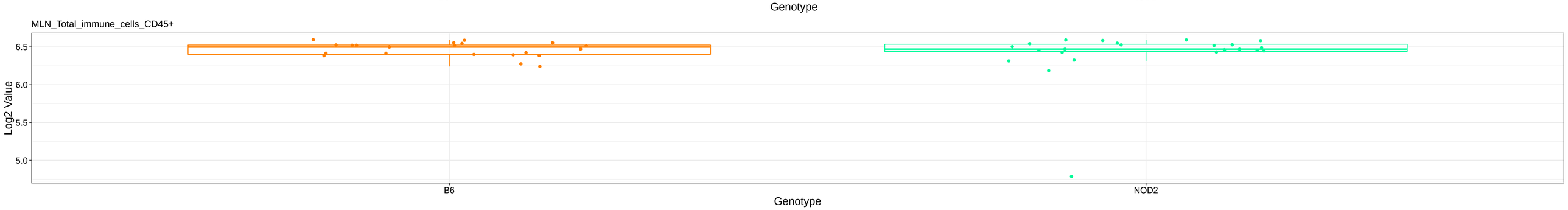

MLN_Total_immune_cells_CD45+
1.1.1.2.2.2.2
1.1.1.1.1.1.1
IL.5_CandidaA

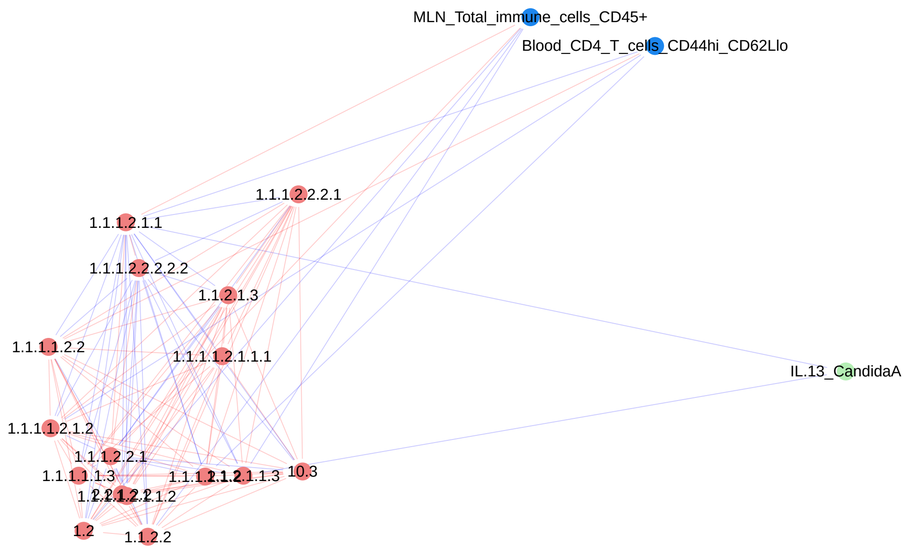

IL.5_CandidaA
MLN_Total_immune_cells_CD45+
1.1.1.1.1.1.1
1.1.1.2.2.2.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

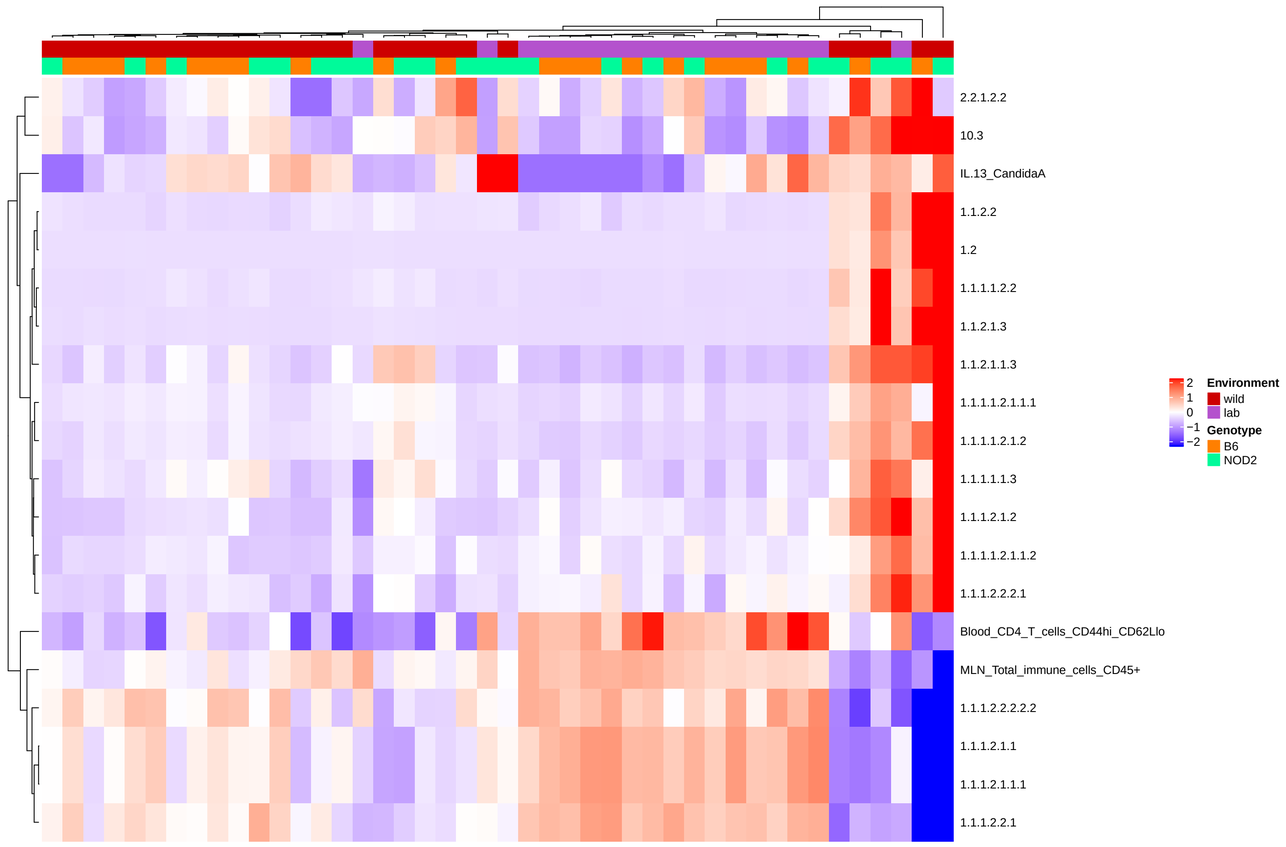

1.1.1.1.1.1.1
Log2 Value
2
1
0
B6
NOD2
Genotype

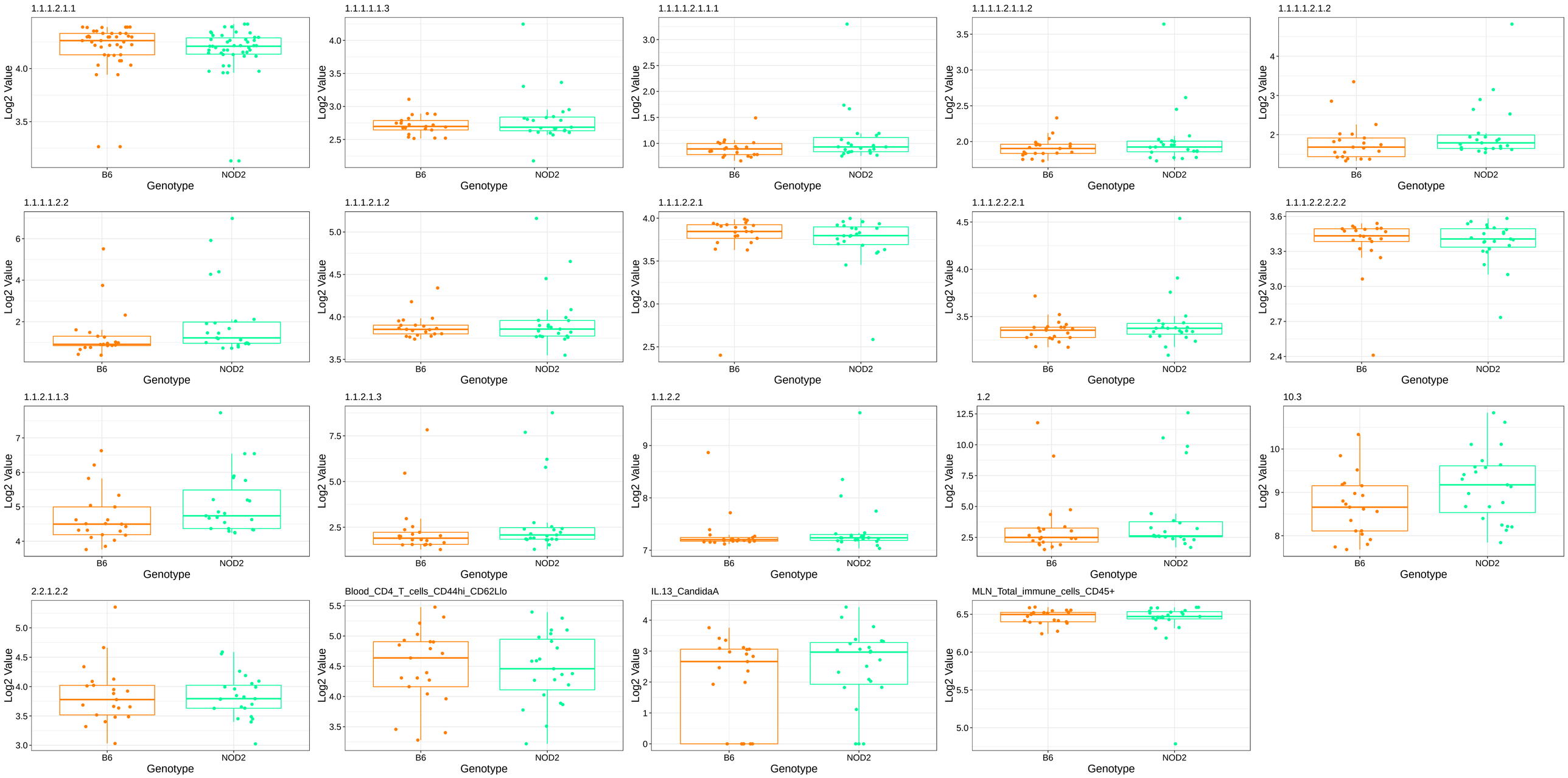

1.1.1.2.2.2.2
Log2 Value
3.6
3.3
3.0
2.7
2.4
B6
NOD2
Genotype

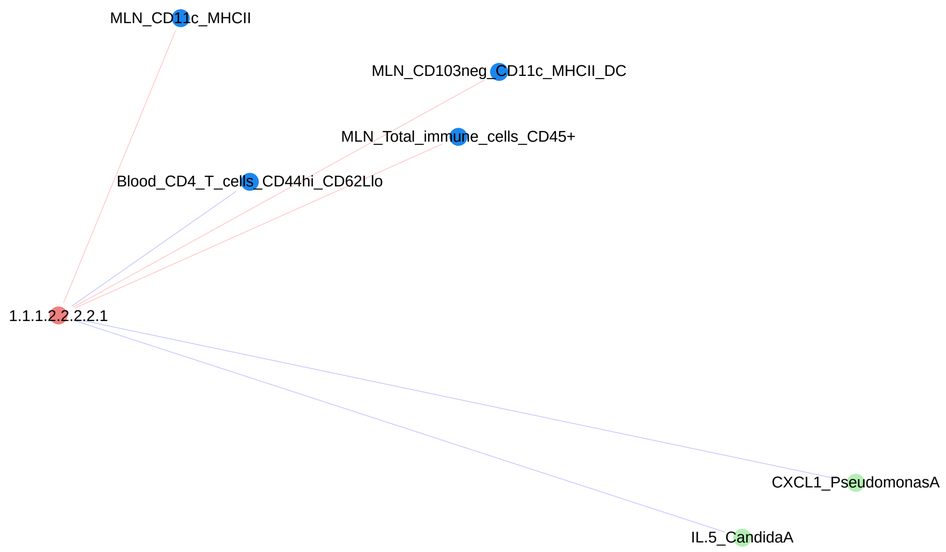

IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

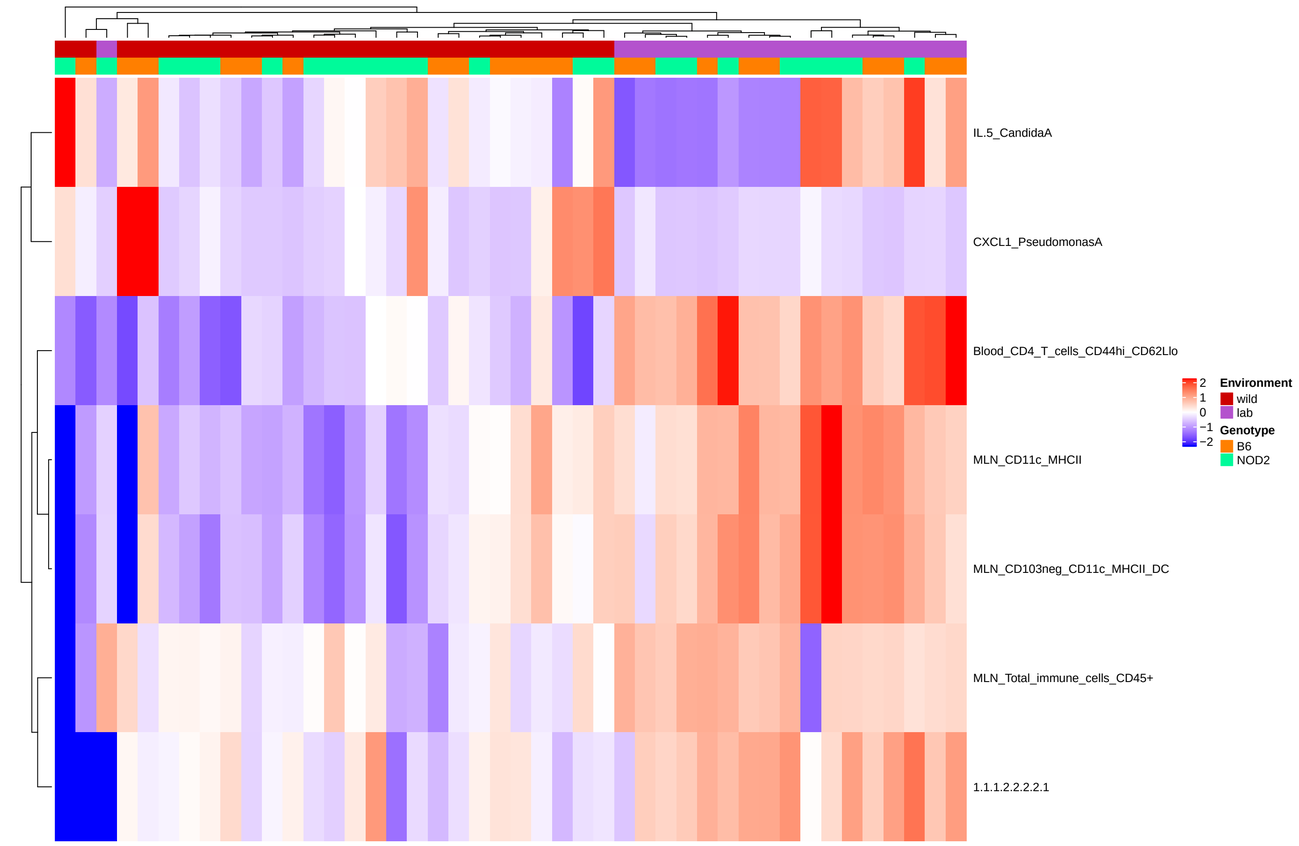

MLN_Total_immune_cells_CD45+
Log2 Value
6.5
6.0
5.5
5.0
B6
NOD2
Genotype

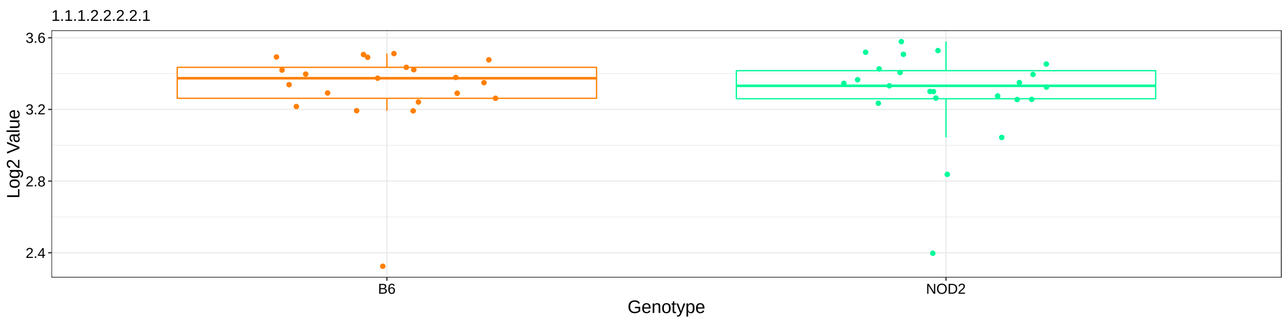

MLN_Total_immune_cells_CD45+
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.13_CandidaA
1.1.1.2.2.1
1.1.1.2.1.1
1.1.1.2.2.2.2.2
1.1.2.1.3
1.1.1.1.2.2
1.1.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.2.2.1
1.1.1.1.1.3
10.3
1.2
1.1.2.2

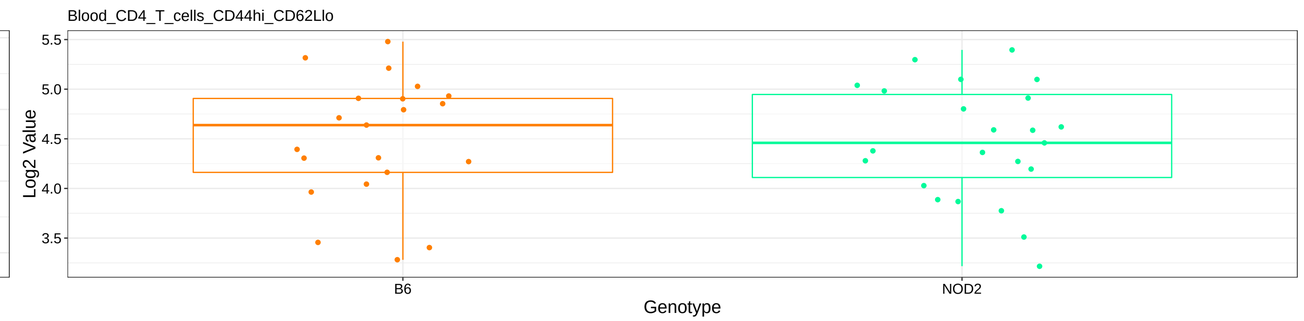

2.2.1.2.2
10.3
IL.13_CandidaA
1.1.2.2
1.2
1.1.1.1.2.2
1.1.2.1.3
1.1.2.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.2.1.1.2
1.1.1.2.2.2.1
Blood_CD4_T_cells_CD44hi_CD62Llo
MLN_Total_immune_cells_CD45+
1.1.1.2.2.2.2.2
1.1.1.2.1.1
1.1.1.2.1.1.1
1.1.1.2.2.1
Environment
wild
lab
Genotype
B6
NOD2

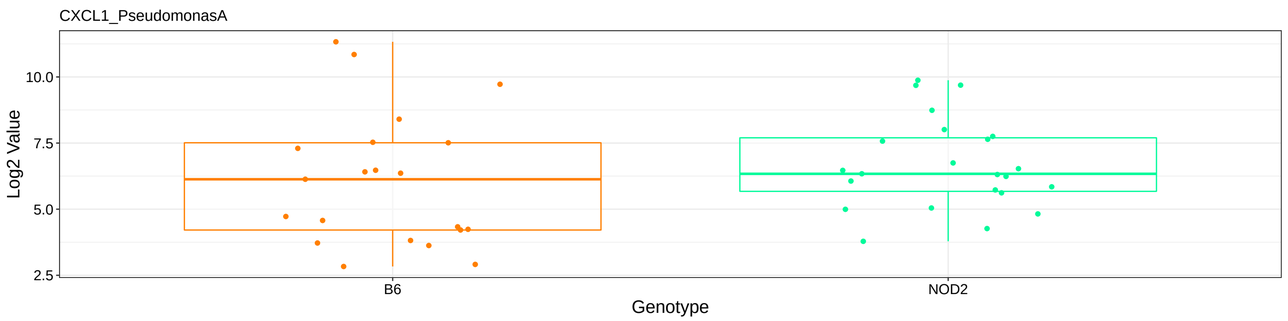

1.1.1.2.1.1
1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.2.1.2
1.1.1.1.2.2
1.1.1.2.1.2
1.1.1.2.2.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.1.2.1.3
1.1.2.1.3
1.1.2.2
1.2
10.3
2.2.1.2.2
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.13_CandidaA
MLN_Total_immune_cells_CD45+
Log2 Value
Genotype
B6
NOD2

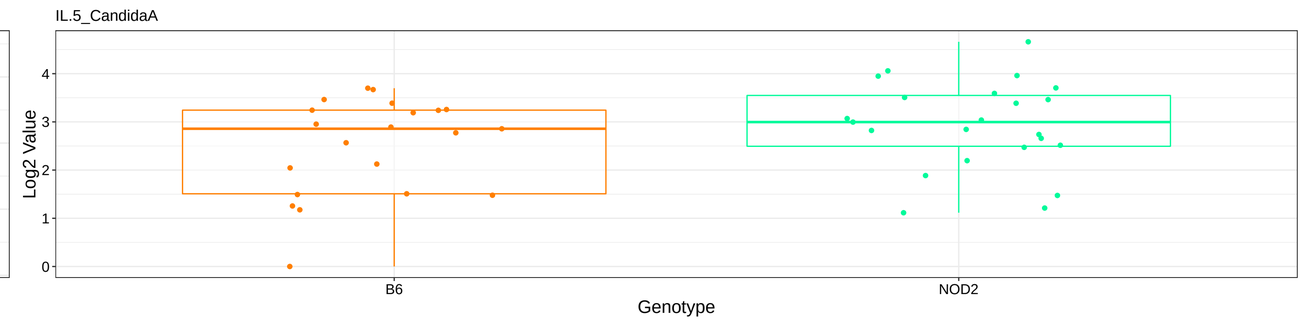

MLN_CD11c_MHCII
MLN_CD103neg_CD11c_MHCII_DC
MLN_Total_immune_cells_CD45+
Blood_CD4_T_cells_CD44hi_CD62Llo
1.1.1.2.2.2.2.1
CXCL1_PseudomonasA
IL.5_CandidaA

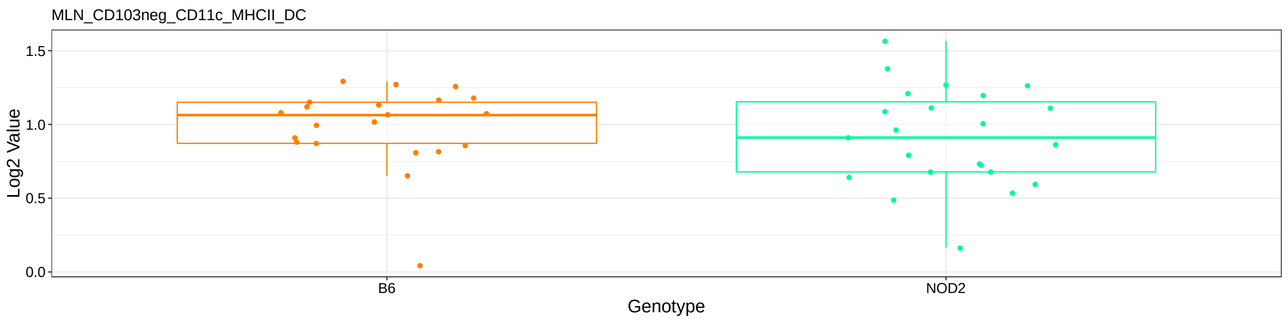

IL.5_CandidaA
CXCL1_PseudomonasA
Blood_CD4_T_cells_CD44hi_CD62Llo
MLN_CD11c_MHCII
MLN_CD103neg_CD11c_MHCII_DC
MLN_Total_immune_cells_CD45+
1.1.1.2.2.2.2.1
Environment
wild
lab
Genotype
B6
NOD2

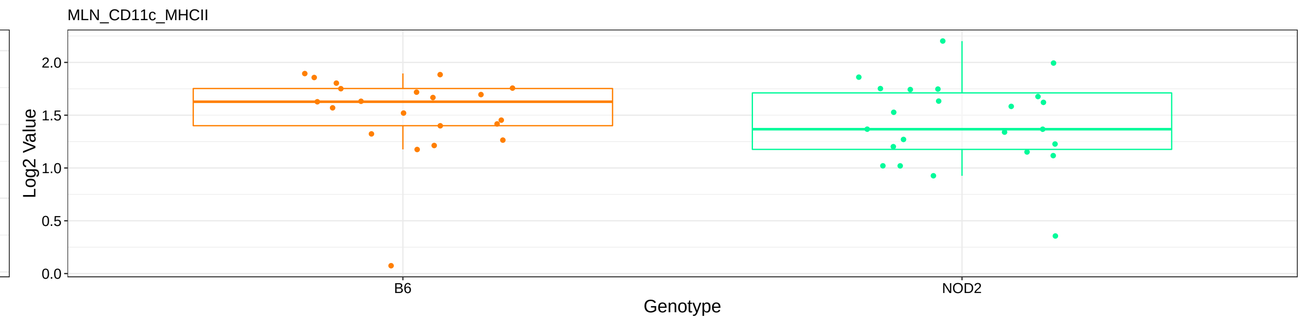

1.1.1.2.2.2.2.1
Log2 Value
B6
NOD2
Genotype

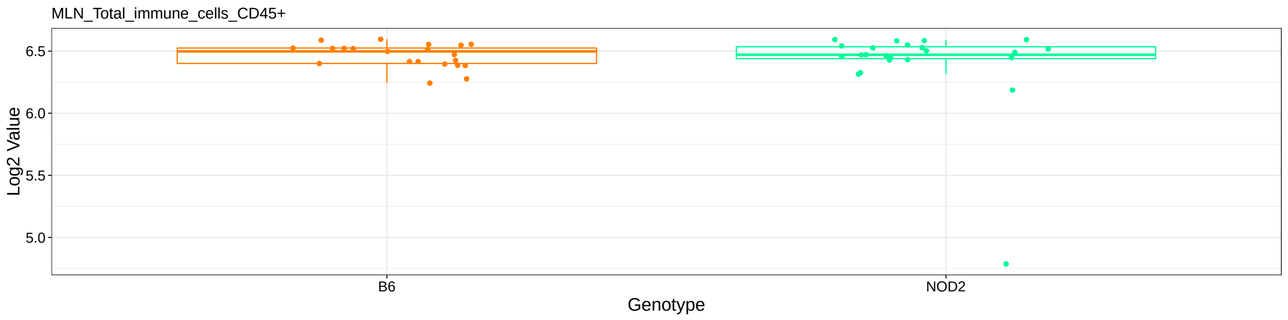

Blood_CD4_T_cells_CD44hi_CD62Llo
Log2 Value
B6
NOD2
Genotype

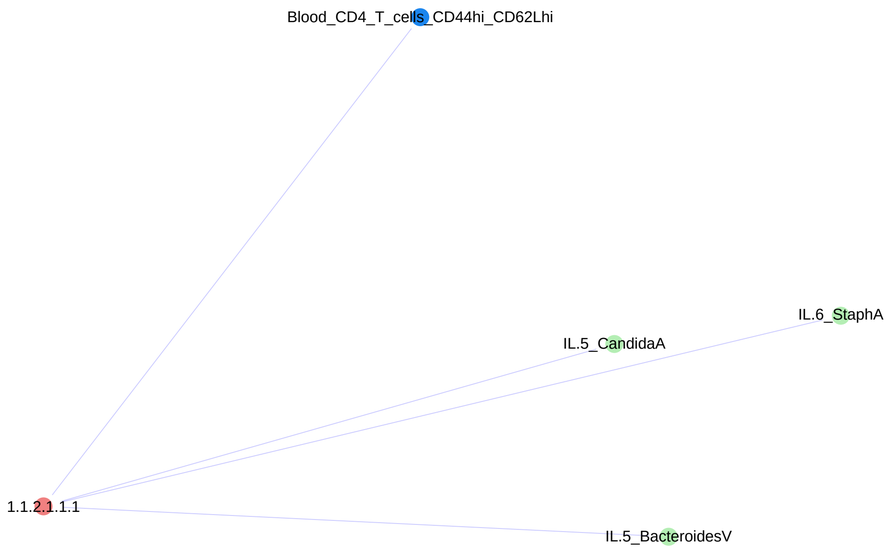

CXCL1_PseudomonasA
Log2 Value
B6
NOD2
Genotype

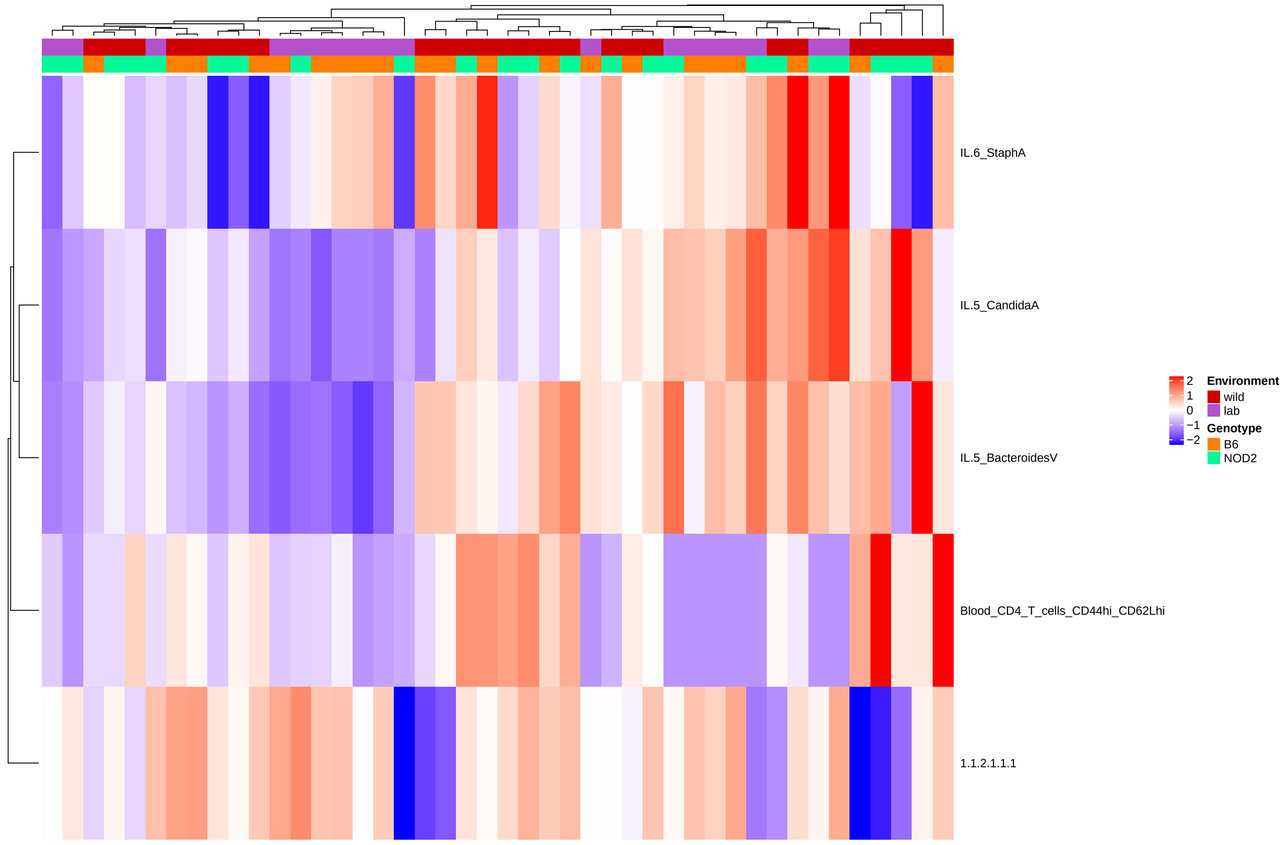

IL.5_CandidaA
Log2 Value
B6
NOD2
Genotype

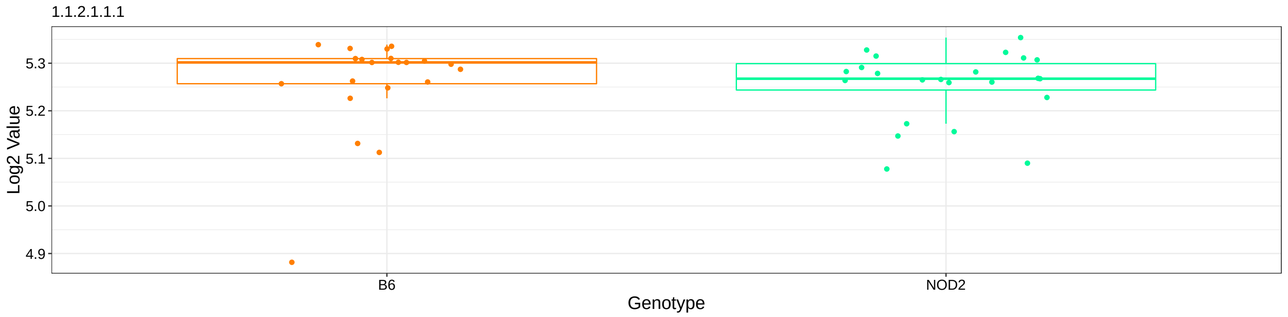

MLN_CD103neg_CD11c_MHCII_DC
Log2 Value
B6
NOD2
Genotype

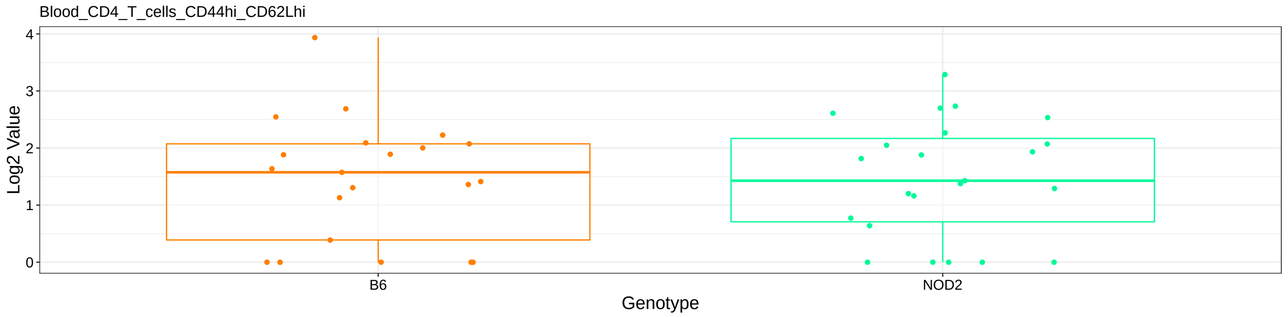

MLN_CD11c_MHCII
Log2 Value
B6
NOD2
Genotype

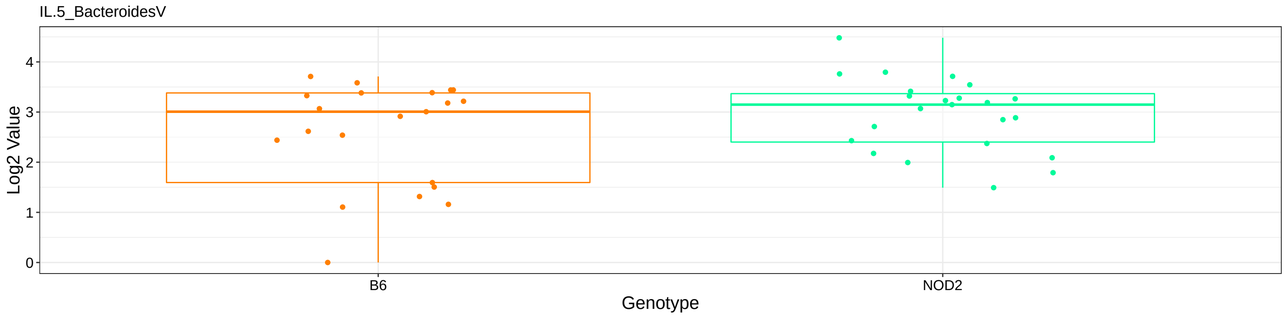

MLN_Total_immune_cells_CD45+
Log2 Value
B6
NOD2
Genotype

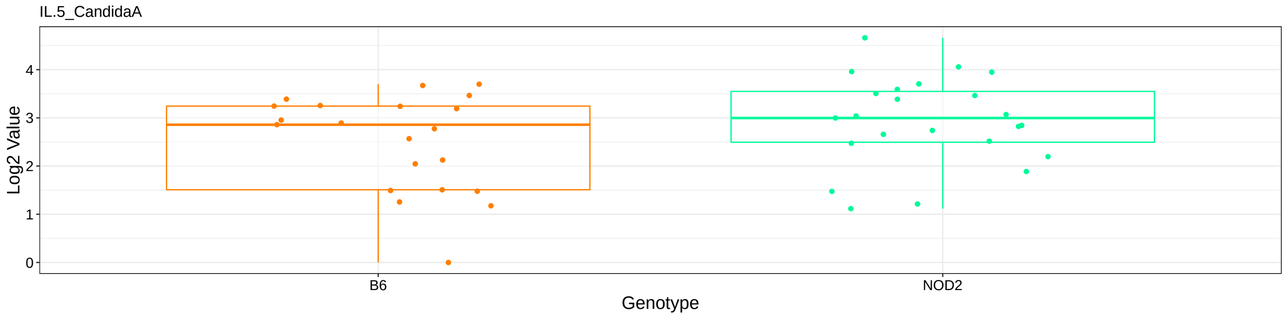

Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.6_StaphA
IL.5_CandidaA
1.1.2.1.1.1
IL.5_BacteroidesV

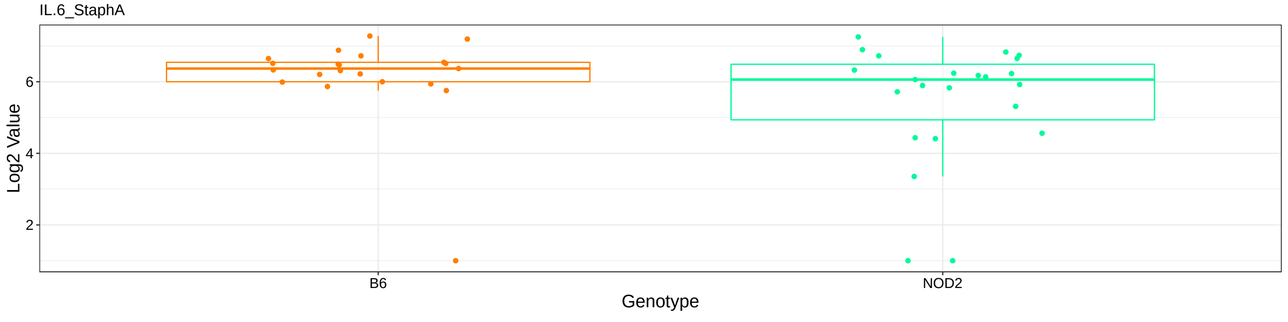

IL.6_StaphA
IL.5_CandidaA
IL.5_BacteroidesV
Blood_CD4_T_cells_CD44hi_CD62Lhi
1.1.2.1.1.1
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

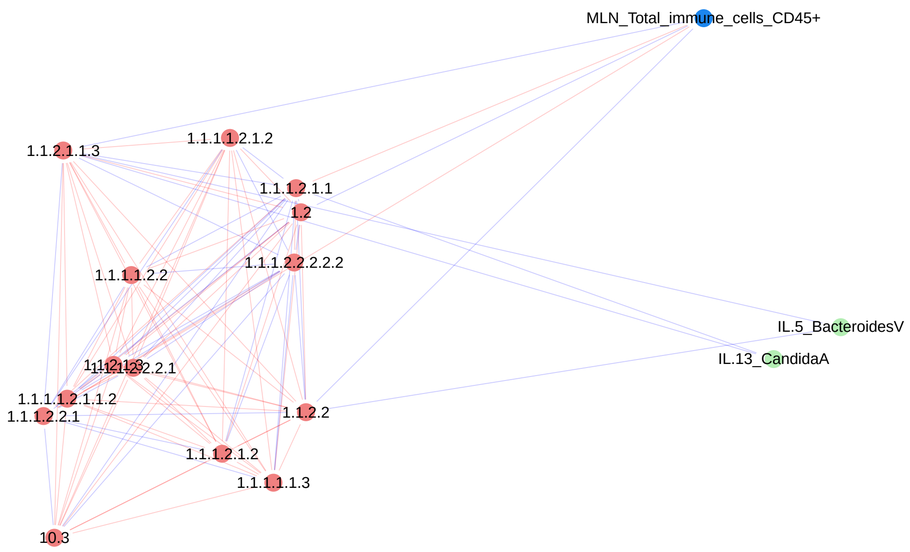

1.1.2.1.1.1
Log2 Value
5.3
5.2
5.1
5.0
4.9
B6
NOD2
Genotype

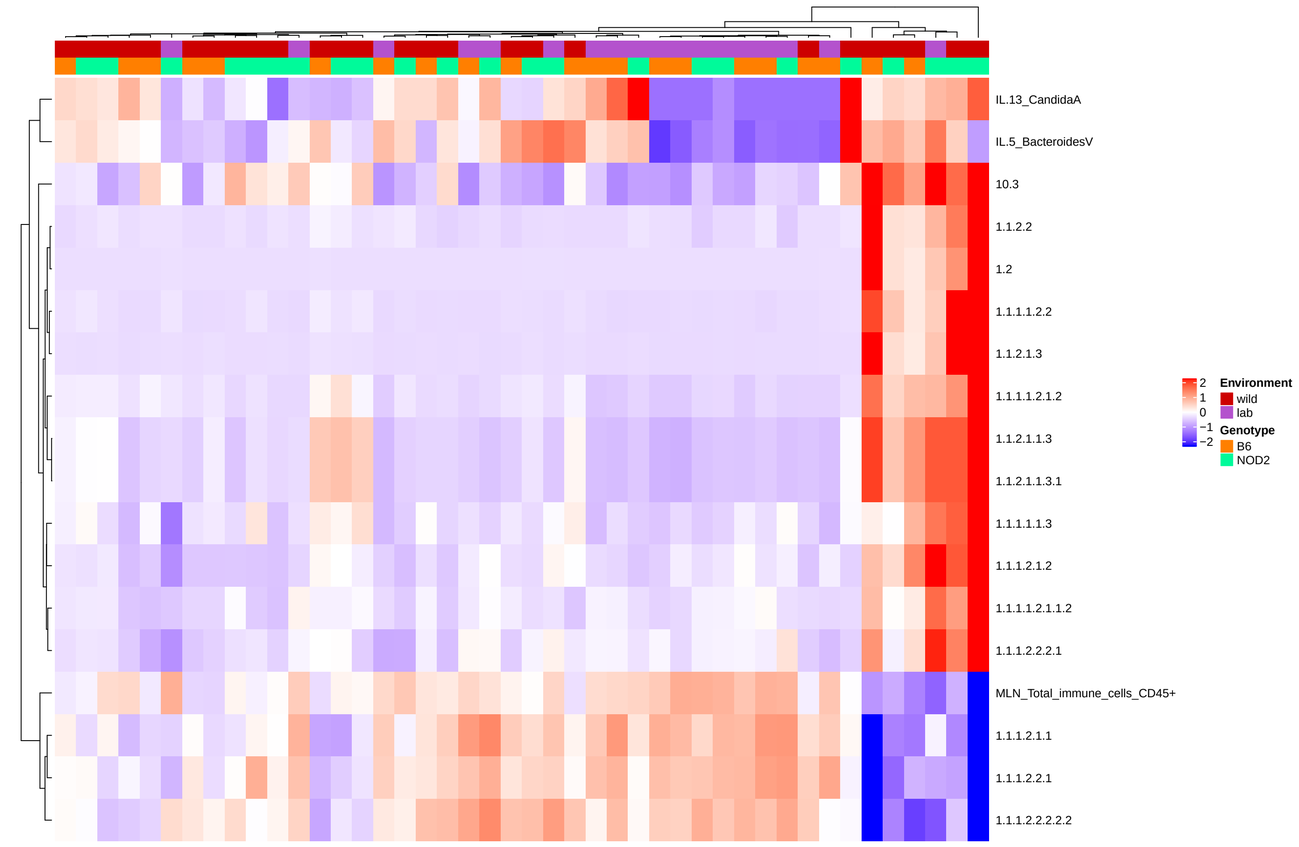

Blood_CD4_T_cells_CD44hi_CD62Lhi
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

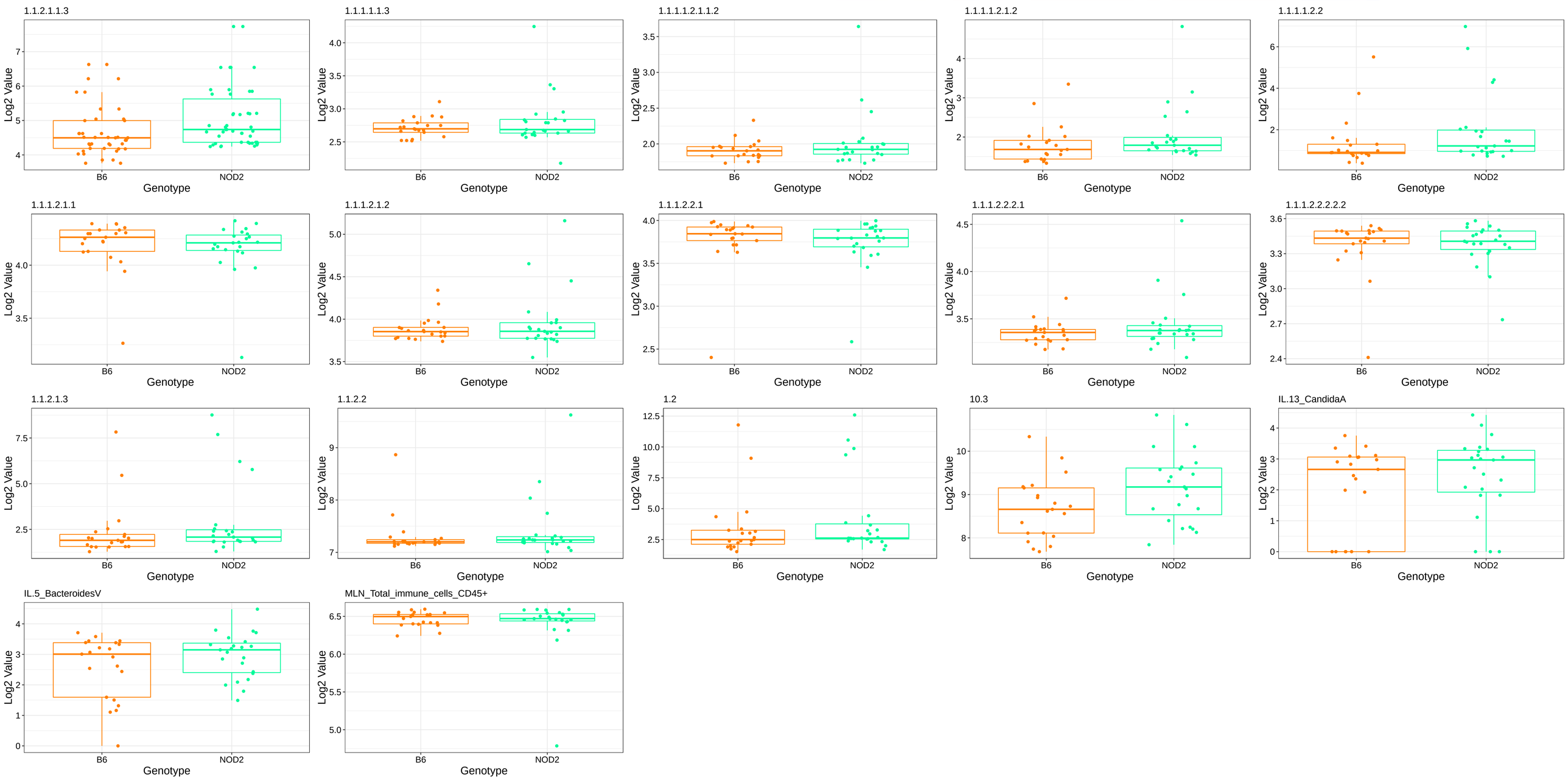

IL.5_BacteroidesV
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

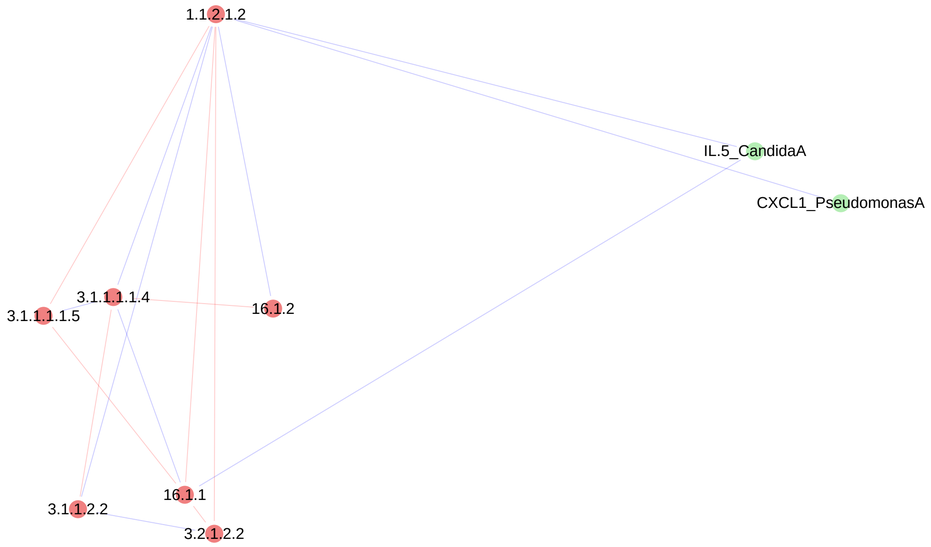

IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

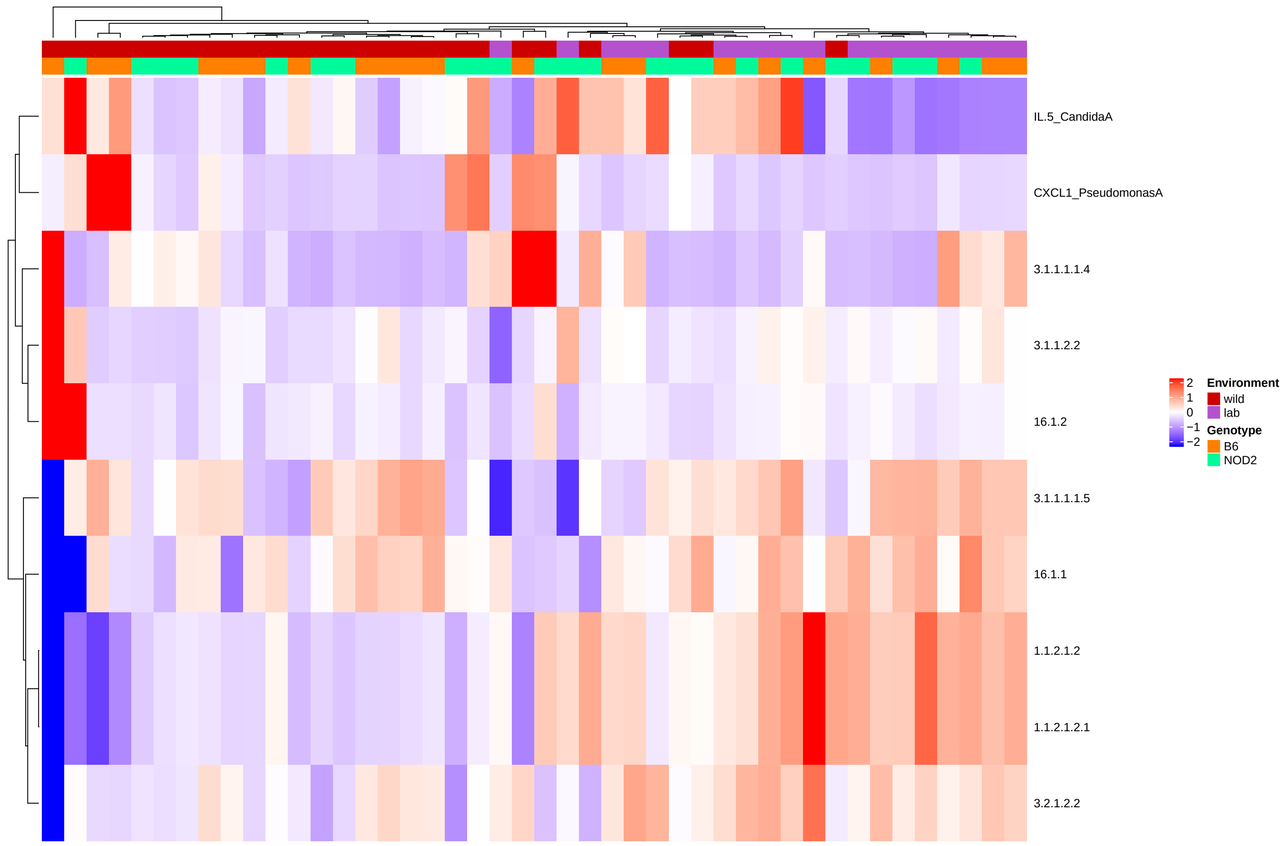

IL.6_StaphA
Log2 Value
6
4
2
B6
NOD2
Genotype

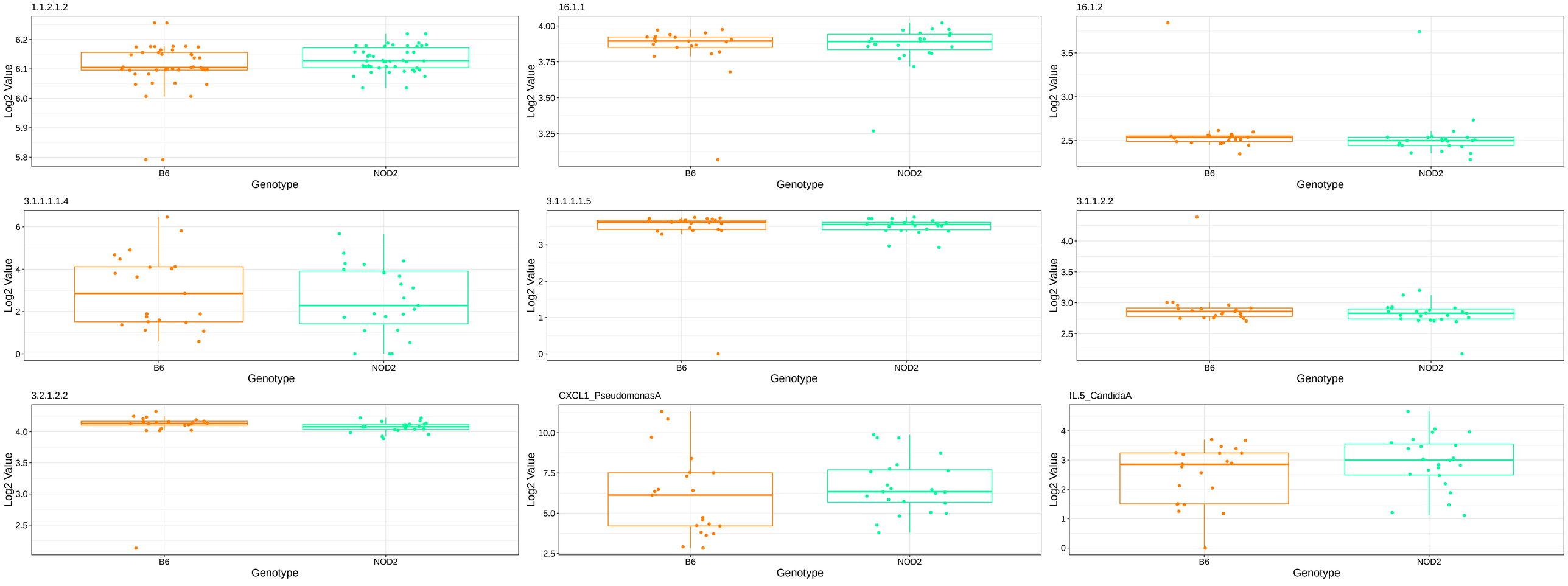

MLN_Total_immune_cells_CD45+
1.1.2.1.1.3
1.1.1.1.2.1.2
1.1.1.2.1.1
1.2
1.1.1.1.2.2
1.1.1.2.2.2.2.2
IL.5_BacteroidesV
IL.13_CandidaA
1.1.1.1.2.1.1.2
1.1.1.2.2.1
1.1.2.2
1.1.1.2.1.2
1.1.1.1.1.3
10.3

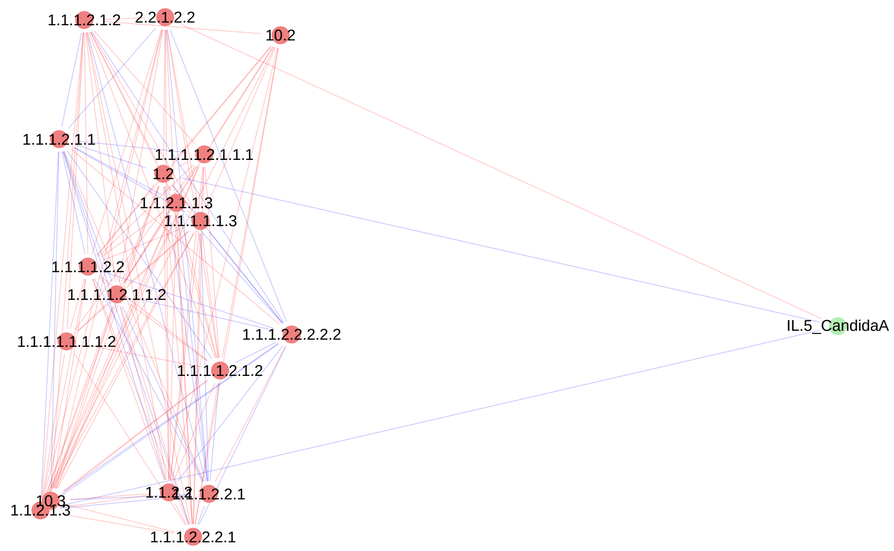

IL.13_CandidaA
IL.5_BacteroidesV
10.3
1.1.2.2
1.2
1.1.1.1.2.2
1.1.2.1.3
1.1.1.1.2.1.2
1.1.2.1.1.3
1.1.2.1.1.3.1
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.1
MLN_Total_immune_cells_CD45+
1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.2.2
Environment
wild
lab
Genotype
B6
NOD2

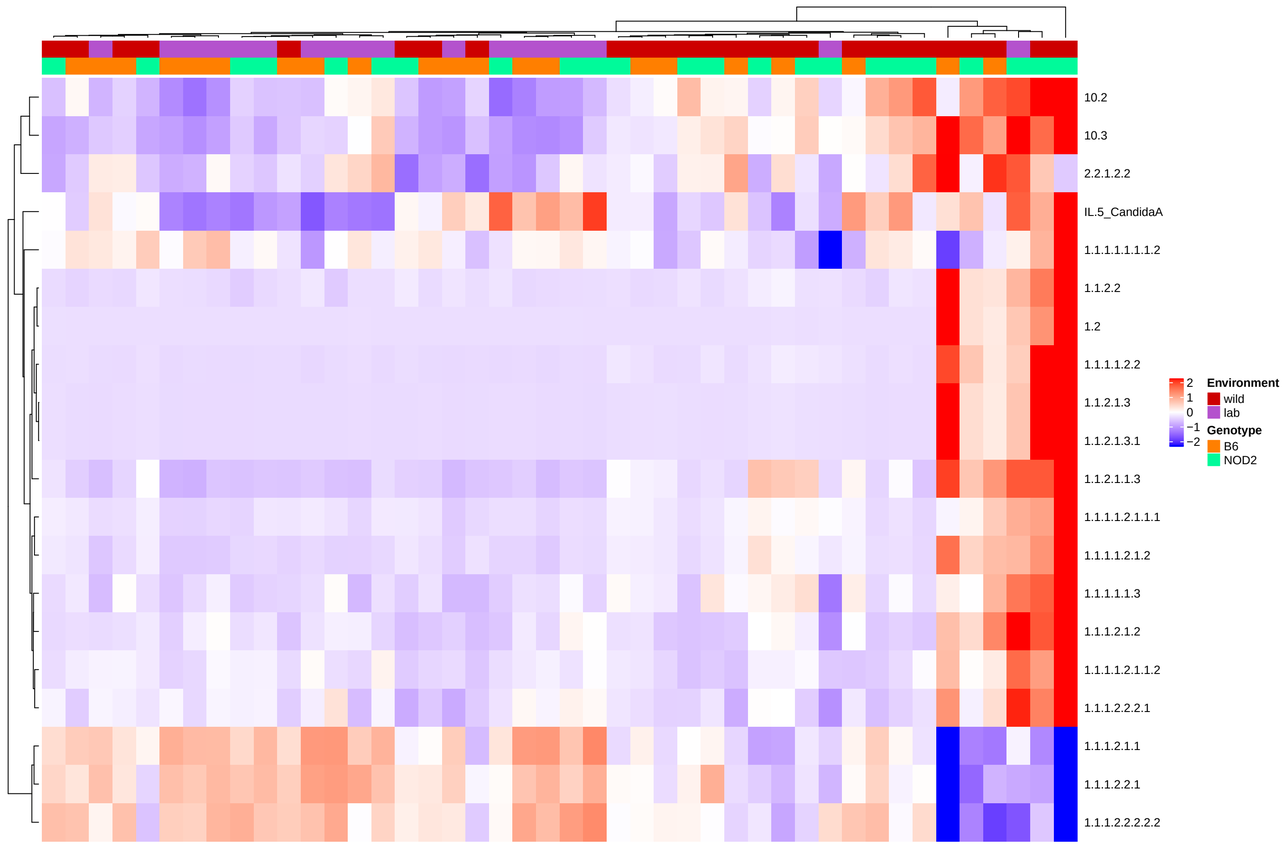

1.1.2.1.1.3
1.1.1.1.1.3
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.2.2
1.1.1.1.2.1.1
1.1.1.1.2.1.2
1.1.1.1.2.2.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.2.1.3
1.1.2.2
1.2
10.3
IL.13_CandidaA
IL.5_BacteroidesV
MLN_Total_immune_cells_CD45+
Log2 Value
Genotype
B6
NOD2

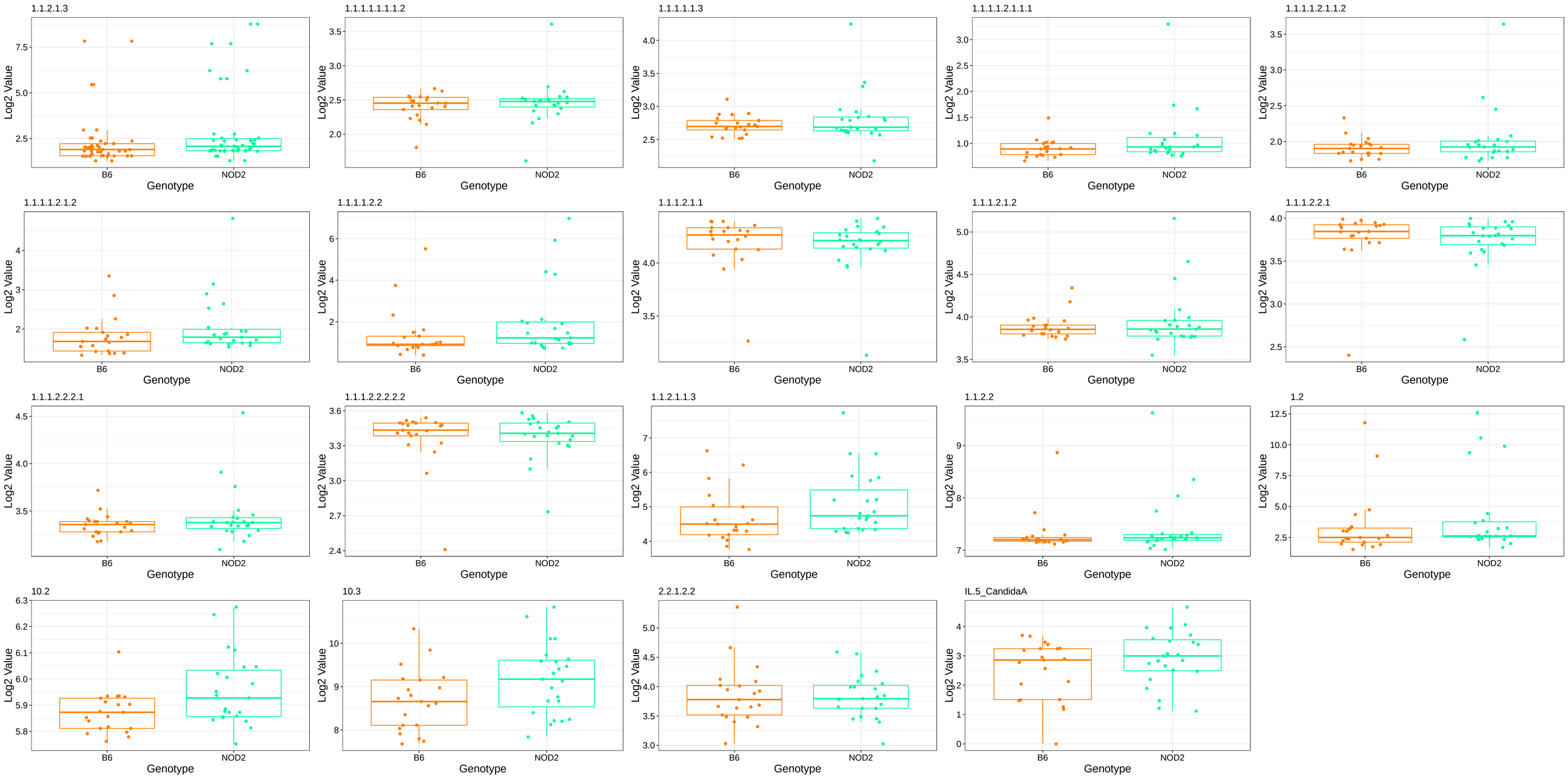

1.1.2.1.2
IL.5_CandidaA
CXCL1_PseudomonasA
3.1.1.1.1.4
3.1.1.1.1.5
16.1.2
16.1.1
3.1.1.2.2
3.2.1.2.2

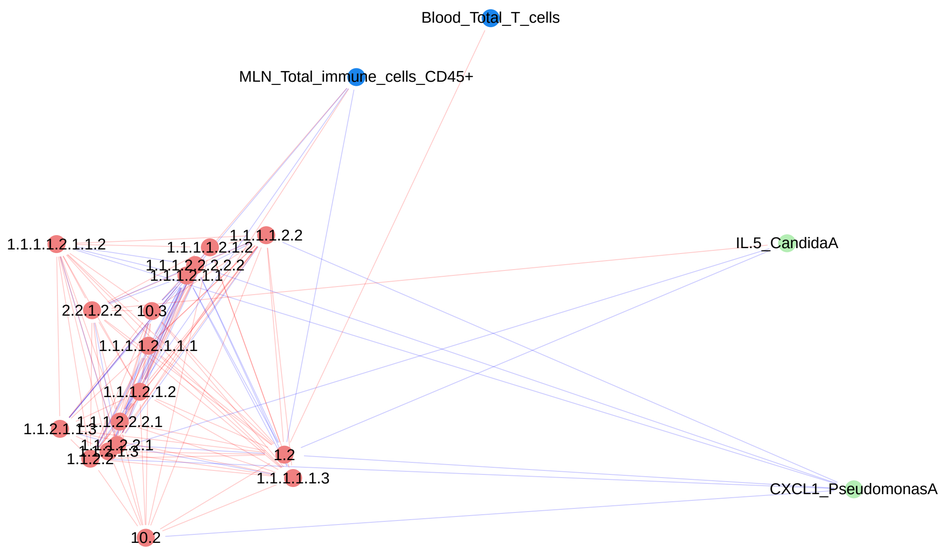

IL.5_CandidaA
CXCL1_PseudomonasA
3.1.1.1.1.4
3.1.1.2.2
16.1.2
3.1.1.1.1.5
16.1.1
1.1.2.1.2
1.1.2.1.2.1
3.2.1.2.2
Environment
wild
lab
Genotype
B6
NOD2

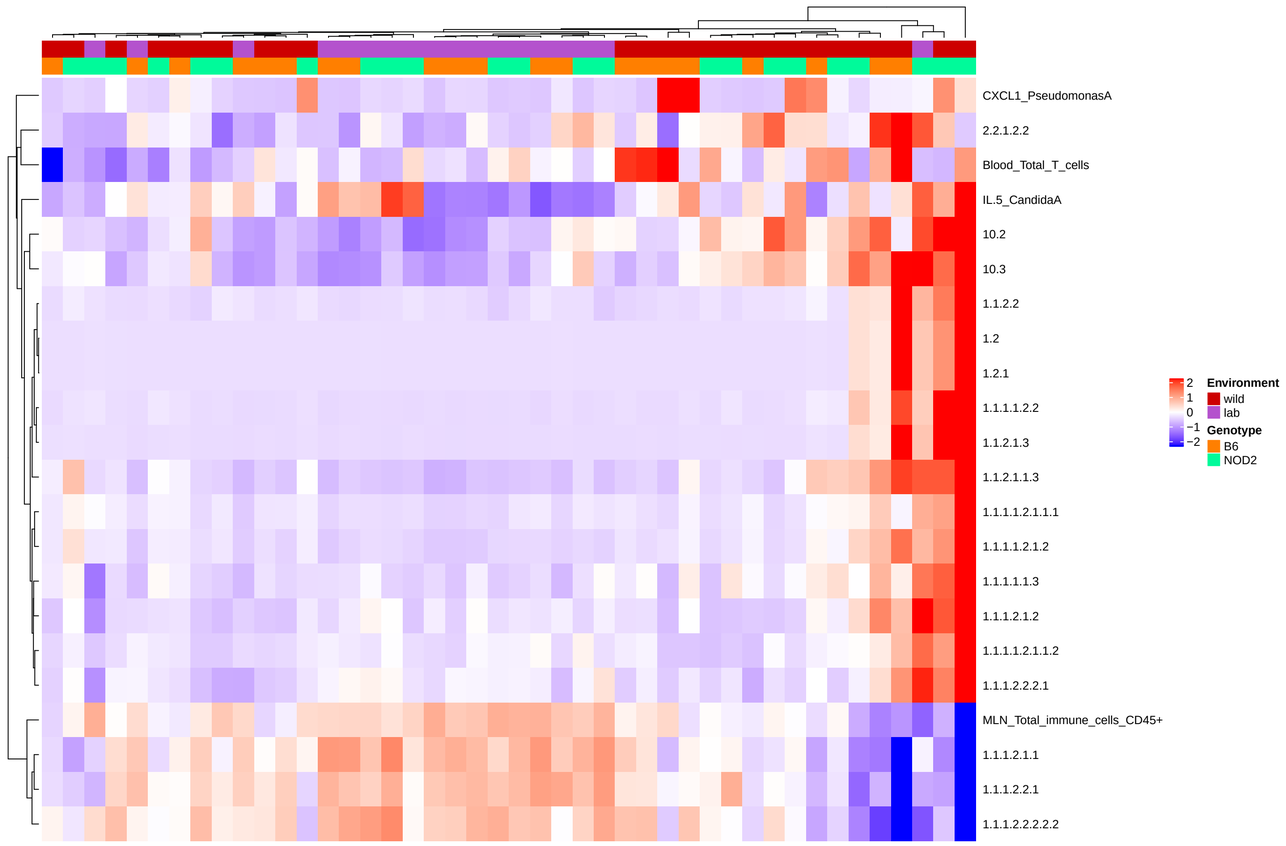

1.1.2.1.2
16.1.1
16.1.2
3.1.1.1.1.4
3.1.1.1.1.5
3.1.1.2.2
3.2.1.2.2
CXCL1_PseudomonasA
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

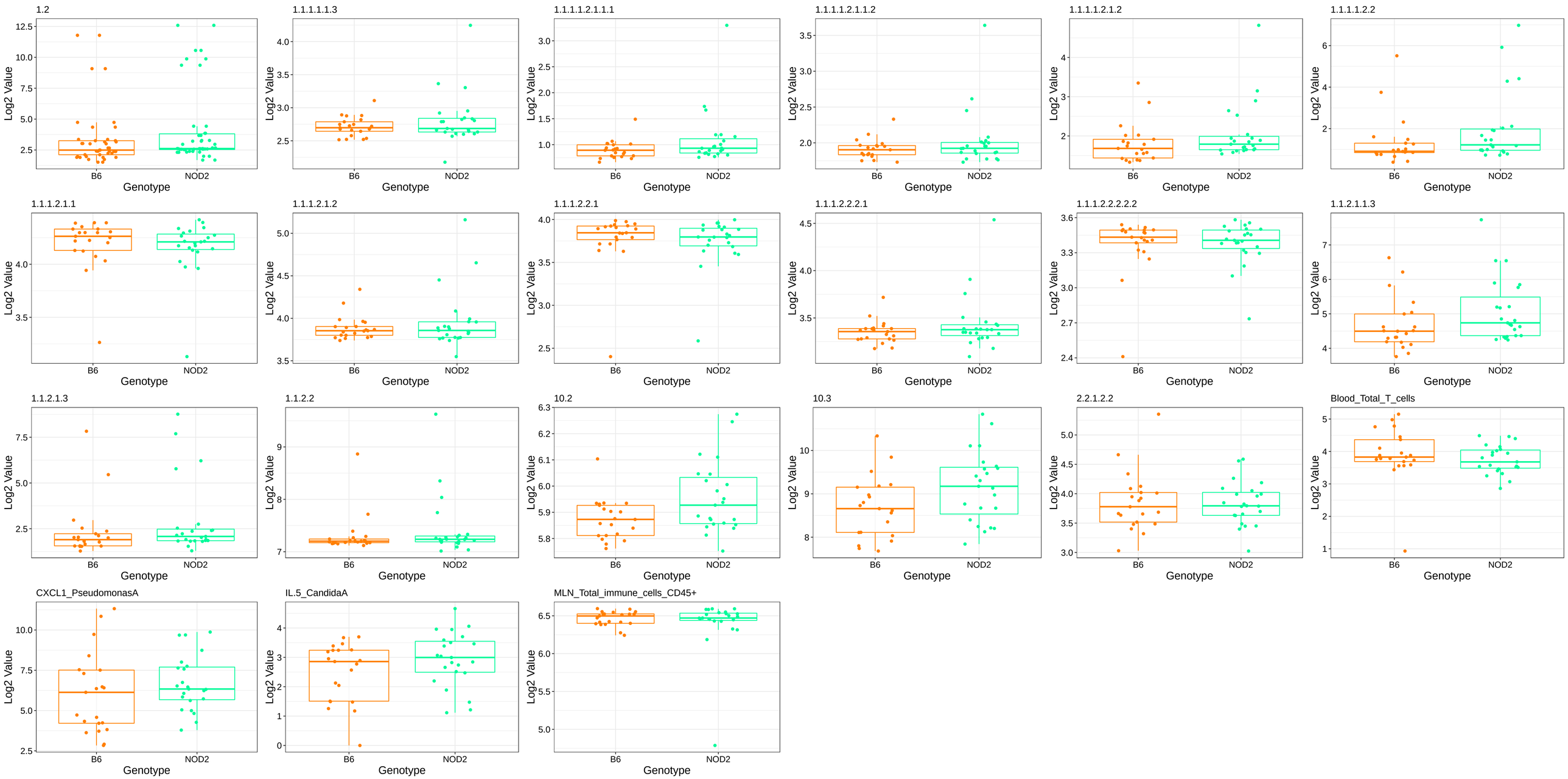

1.1.1.2.1.2
2.2.1.2.2
10.2
1.1.1.2.1.1
1.1.1.1.2.1.1.1
1.2
1.1.2.1.1.3
1.1.1.1.1.3
1.1.1.1.2.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.2.2
1.1.1.1.1.1.1.2
1.1.1.1.2.1.2
IL.5_CandidaA
10.3
1.1.2.1.3
1.1.1.1.2.2.1
1.1.1.2.2.2.1

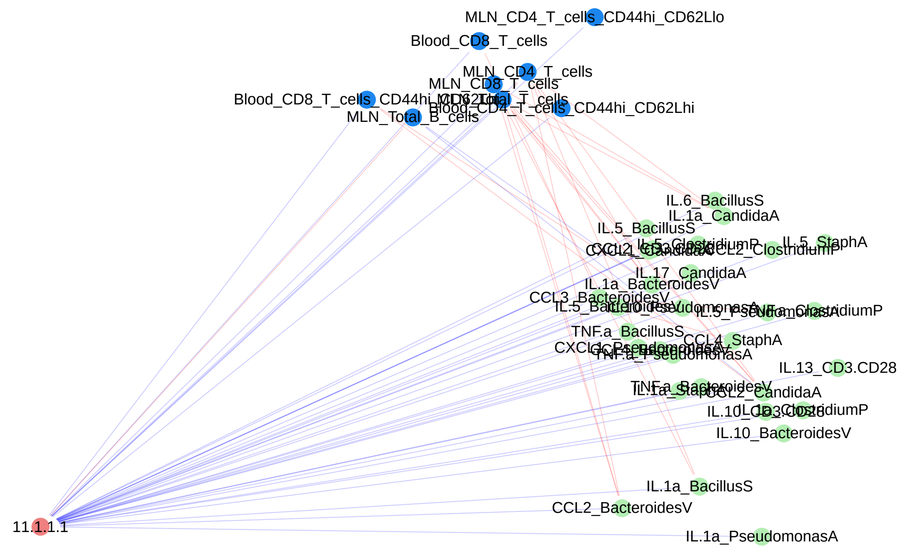

10.2
10.3
2.2.1.2.2
IL.5_CandidaA
1.1.1.1.1.1.1.2
1.1.2.2
1.2
1.1.1.1.2.2
1.1.2.1.3
1.1.2.1.3.1
1.1.2.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.1
1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.2.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

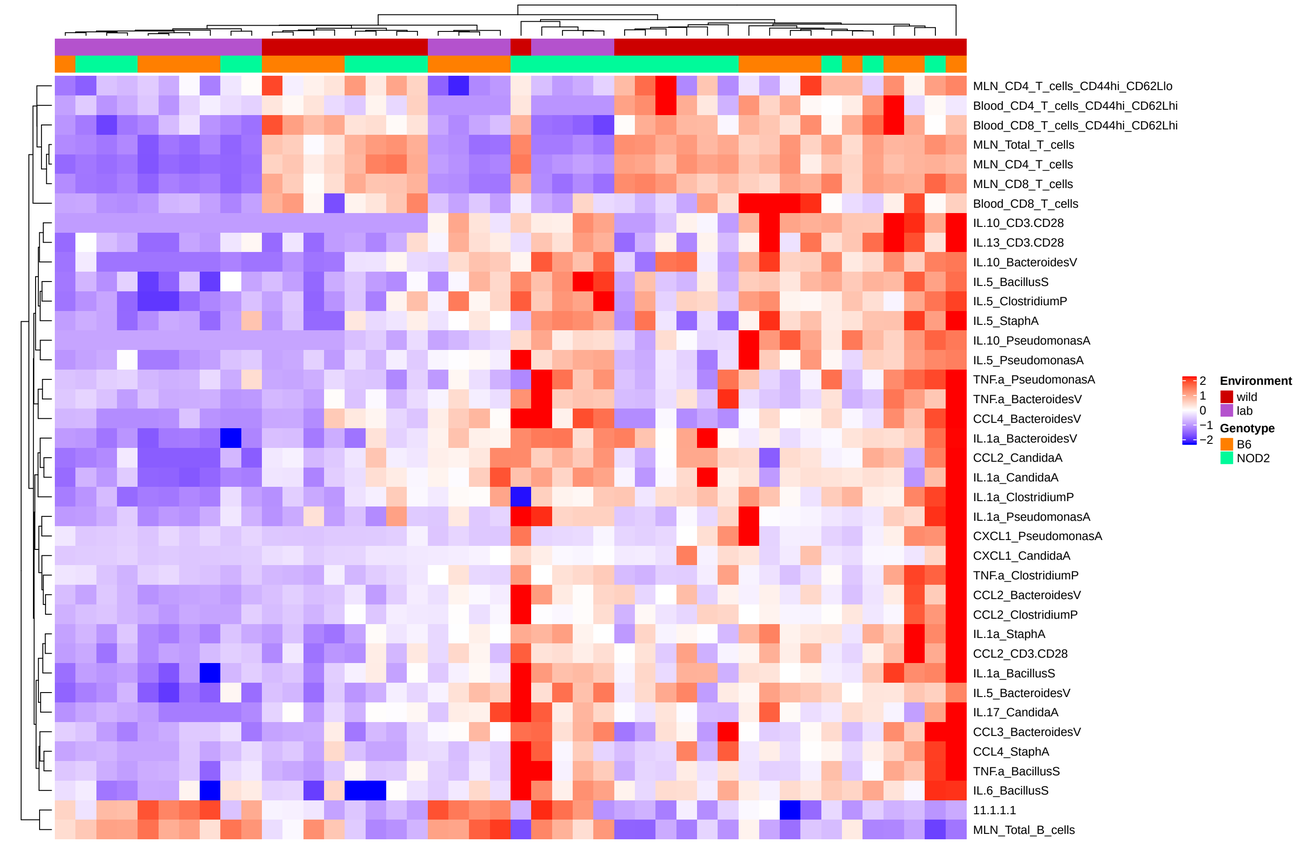

1.1.2.1.3
1.1.1.1.1.1.1.2
1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.2
1.1.1.1.2.2.1
1.1.1.1.2.1.2
1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.2.1.1.3
1.1.2.2
1.2
10.2
10.3
2.2.1.2.2
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

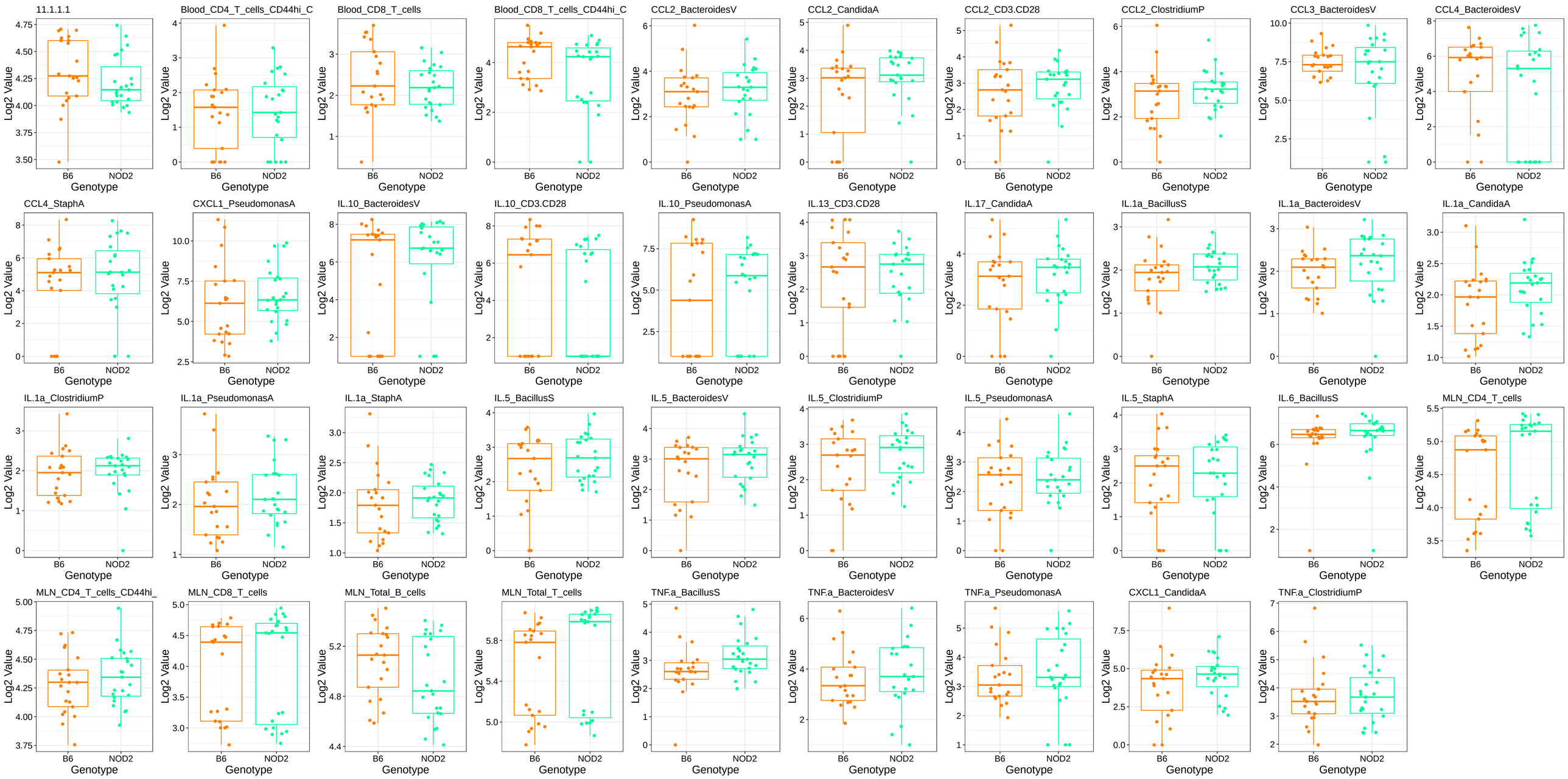

Blood_Total_T_cells
MLN_Total_immune_cells_CD45+
IL.5_CandidaA
CXCL1_PseudomonasA
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.2.2
1.1.1.2.2.2.2
1.1.1.2.1.1
2.2.1.2.2
10.3
1.1.1.1.2.1.1.1
1.1.1.2.1.2
1.1.1.2.2.2.1
1.1.2.1.1.3
1.2
1.1.1.1.1.3
10.2

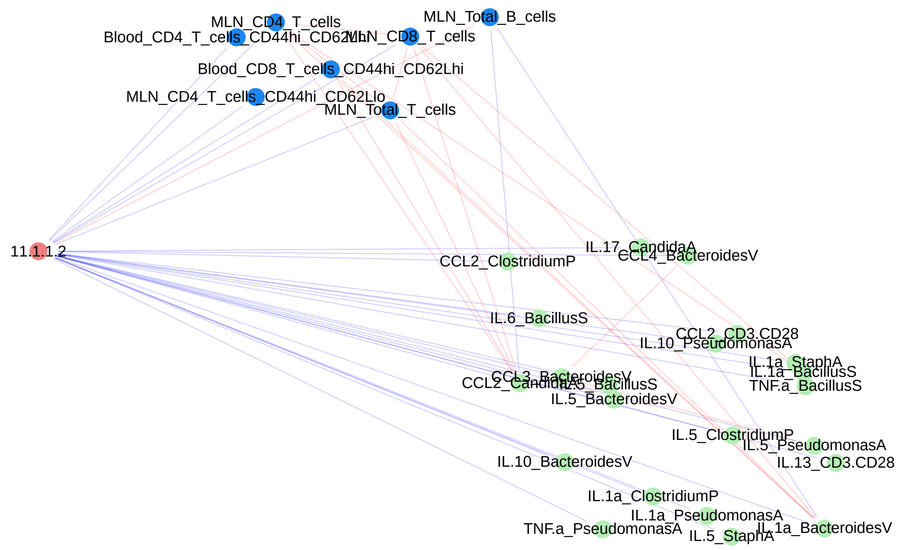

CXCL1_PseudomonasA
2.2.1.2.2
Blood_Total_T_cells
IL.5_CandidaA
10.2
10.3
1.1.2.2
1.2
1.2.1
1.1.1.1.2.2
1.1.2.1.3
1.1.2.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.1
MLN_Total_immune_cells_CD45+
1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.2.2
Environment
wild
lab
Genotype
B6
NOD2

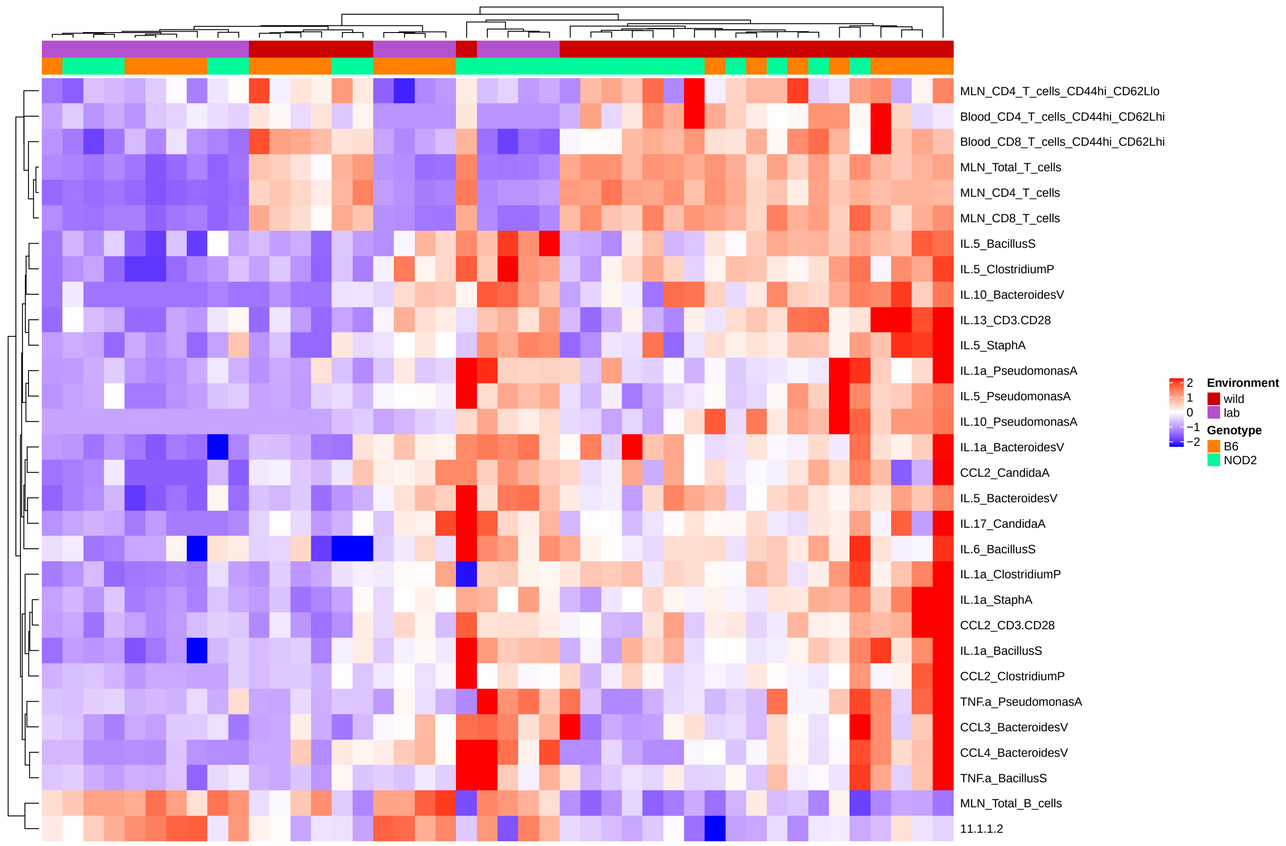

1.2
1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.1.2.1.1
1.1.1.2.2.2.2.1
1.1.1.2.2.2.2.2
1.1.2.1.1.3
1.1.2.2
10.2
10.3
2.2.1.2.2
Blood_Total_T_cells
CXCL1_PseudomonasA
IL.5_CandidaA
MLN_Total_immune_cells_CD45+
Log2 Value
B6
NOD2
Genotype

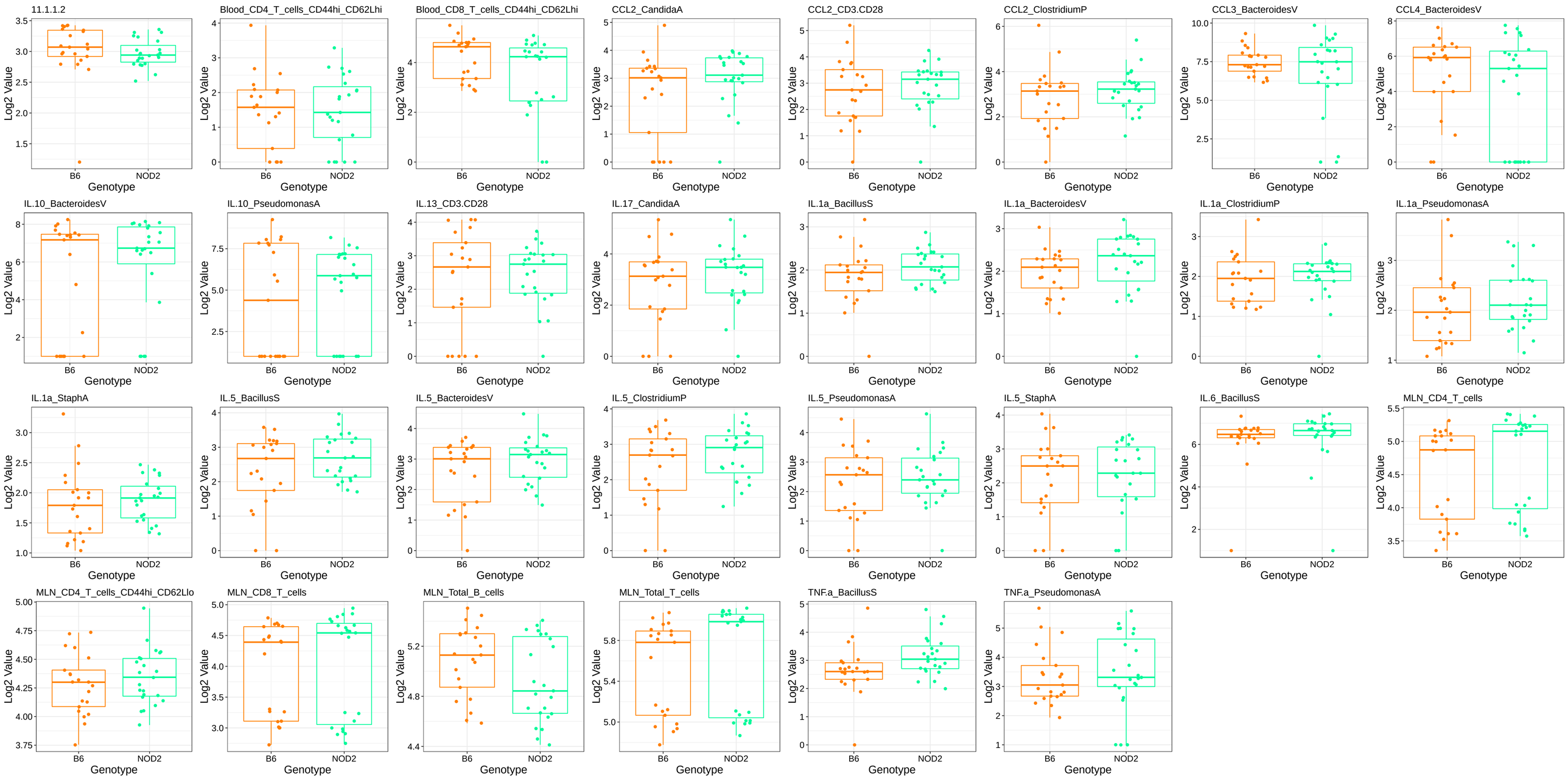

MLN_CD4_T_cells_CD44hi_CD62Llo
Blood_CD8_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_B_cells
IL.6_BacillusS
IL.1a_CandidaA
IL.5_BacillusS
IL.5_StaphA
IL.17_CandidaA
IL.1a_BacteroidesV
TNF.a_BacillusS
IL.13_CD3.CD28
IL.10_BacteroidesV
IL.1a_BacillusS
CCL2_BacteroidesV
11.1.1.1
IL.1a_PseudomonasA

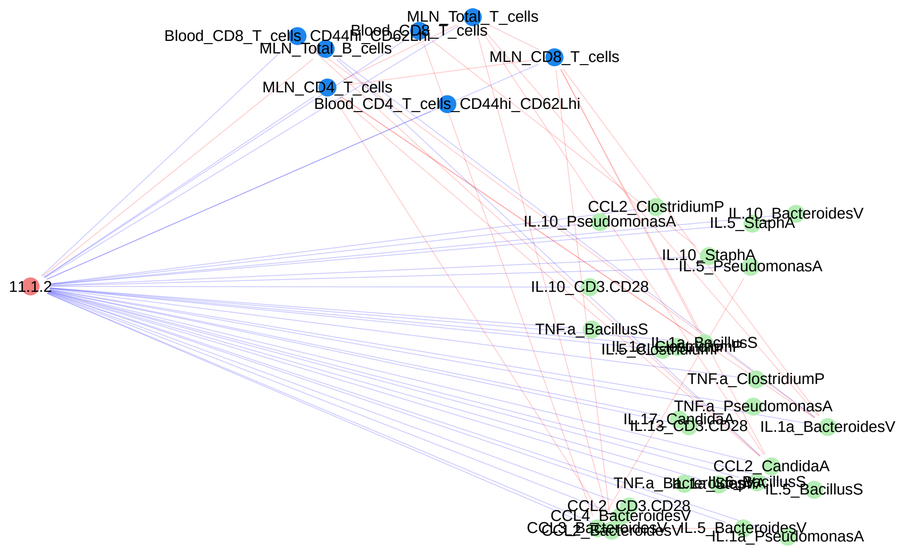

MLN_CD4_T_cells_CD44hi_CD62Llo
Blood_CD4_T_cells_CD44hi_CD62Lhi
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
Blood_CD8_T_cells
IL.10_CD3.CD28
IL.13_CD3.CD28
IL.10_BacteroidesV
IL.5_BacillusS
IL.5_ClostridiumP
IL.5_StaphA
IL.10_PseudomonasA
IL.5_PseudomonasA
TNF.a_PseudomonasA
TNF.a_BacteroidesV
CCL4_BacteroidesV
IL.1a_BacteroidesV
CCL2_CandidaA
IL.1a_CandidaA
IL.1a_ClostridiumP
IL.1a_PseudomonasA
CXCL1_PseudomonasA
CXCL1_CandidaA
TNF.a_ClostridiumP
CCL2_BacteroidesV
CCL2_ClostridiumP
IL.1a_StaphA
CCL2_CD3.CD28
IL.1a_BacillusS
IL.5_BacteroidesV
IL.17_CandidaA
CCL3_BacteroidesV
CCL4_StaphA
TNF.a_BacillusS
IL.6_BacillusS
11.1.1.1
MLN_Total_B_cells
Environment
wild
lab
Genotype
B6
NOD2

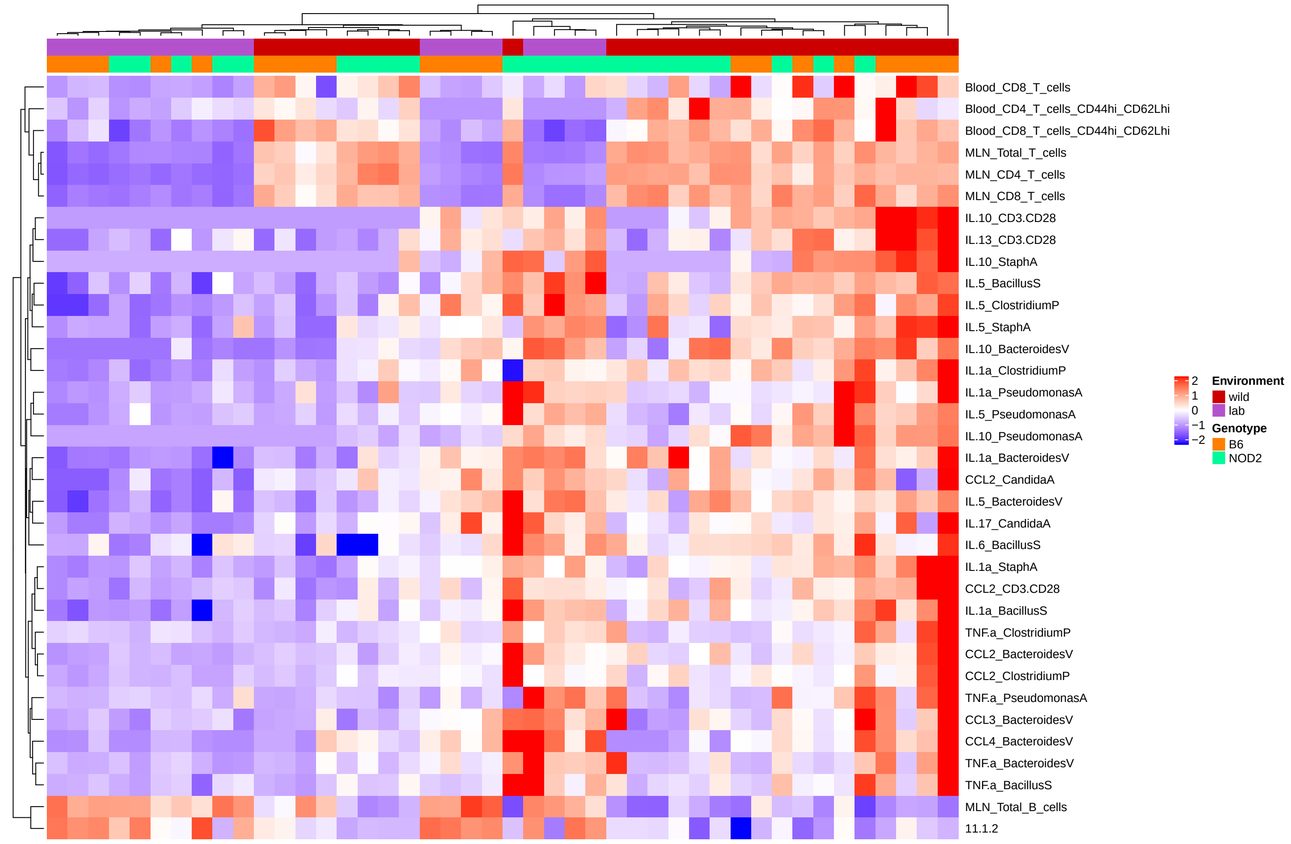

11.1.1.1
Blood_CD4_T_cells_CD44hi_C
Blood_CD8_T_cells
Blood_CD8_T_cells_CD44hi_C
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
CCL4_BacteroidesV
CCL4_StaphA
CXCL1_PseudomonasA
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.10_PseudomonasA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.1a_StaphA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_ClostridiumP
IL.5_PseudomonasA
IL.5_StaphA
IL.6_BacillusS
MLN_CD4_T_cells
MLN_CD4_T_cells_CD44hi_
MLN_CD8_T_cells
MLN_Total_B_cells
MLN_Total_T_cells
TNF.a_BacillusS
TNF.a_BacteroidesV
TNF.a_PseudomonasA
CXCL1_CandidaA
TNF.a_ClostridiumP
Log2 Value
Genotype
B6
NOD2

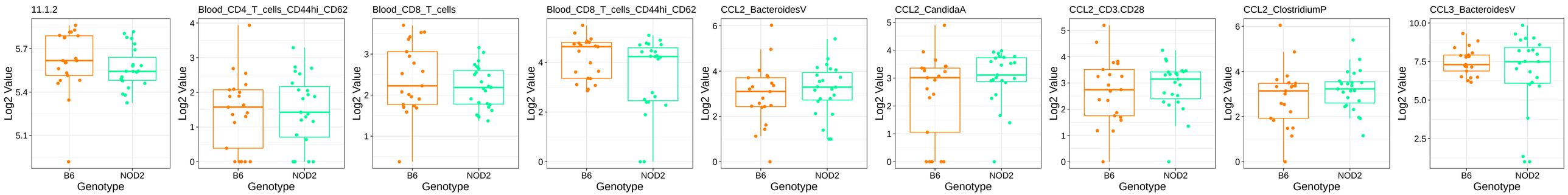

MLN_CD4_T_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_Total_B_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_CD4_T_cells_CD44hi_CD62Llo
MLN_Total_T_cells
11.1.1.2
IL.17_CandidaA
CCL4_BacteroidesV
CCL2_ClostridiumP
IL.6_BacillusS
CCL2_CD3.CD28
IL.10_PseudomonasA
IL.1a_StaphA
IL.1a_BacillusS
TNF.a_BacillusS
CCL3_BacteroidesV
CCL2_CandidaA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_ClostridiumP
IL.5_PseudomonasA
IL.13_CD3.CD28
IL.10_BacteroidesV
IL.1a_ClostridiumP
IL.1a_PseudomonasA
TNF.a_PseudomonasA
IL.5_StaphA
IL.1a_BacteroidesV

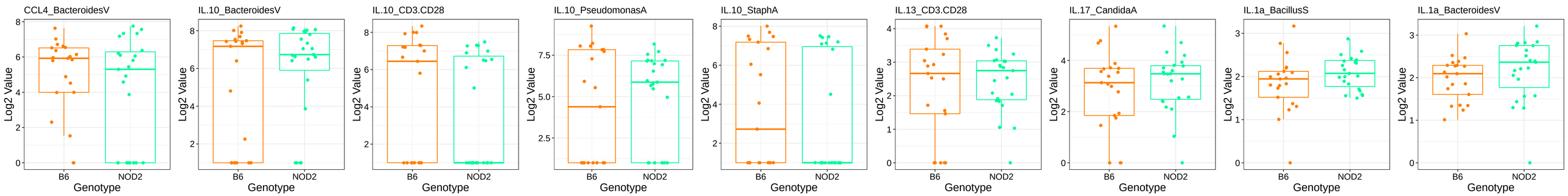

MLN_CD4_T_cells_CD44hi_CD62Llo
Blood_CD4_T_cells_CD44hi_CD62Lhi
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
IL.5_BacillusS
IL.5_ClostridiumP
IL.10_BacteroidesV
IL.13_CD3.CD28
IL.5_StaphA
IL.1a_PseudomonasA
IL.5_PseudomonasA
IL.10_PseudomonasA
IL.1a_BacteroidesV
CCL2_CandidaA
IL.5_BacteroidesV
IL.17_CandidaA
IL.6_BacillusS
IL.1a_ClostridiumP
IL.1a_StaphA
CCL2_CD3.CD28
IL.1a_BacillusS
CCL2_ClostridiumP
TNF.a_PseudomonasA
CCL3_BacteroidesV
CCL4_BacteroidesV
TNF.a_BacillusS
MLN_Total_B_cells
11.1.1.2
Environment
wild
lab
Genotype
B6
NOD2

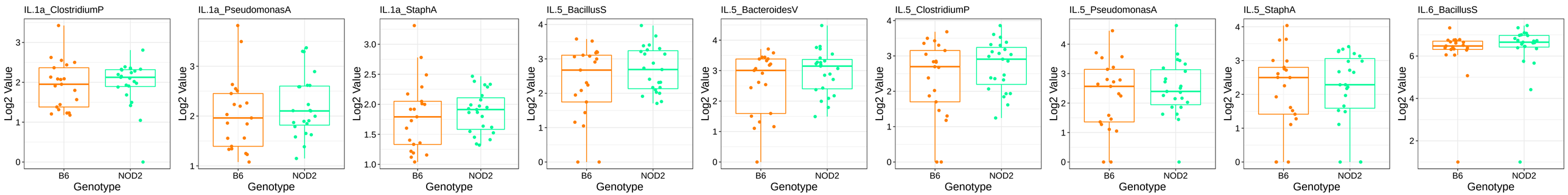

11.1.1.2
Blood_CD4_T_cells_CD44hi_CD62Lhi
Blood_CD8_T_cells_CD44hi_CD62Lhi
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
CCL4_BacteroidesV
IL.10_BacteroidesV
IL.10_PseudomonasA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.1a_StaphA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_ClostridiumP
IL.5_PseudomonasA
IL.5_StaphA
IL.6_BacillusS
MLN_CD4_T_cells
MLN_CD4_T_cells_CD44hi_CD62Llo
MLN_CD8_T_cells
MLN_Total_B_cells
MLN_Total_T_cells
TNF.a_BacillusS
TNF.a_PseudomonasA
Log2 Value
Genotype
B6
NOD2

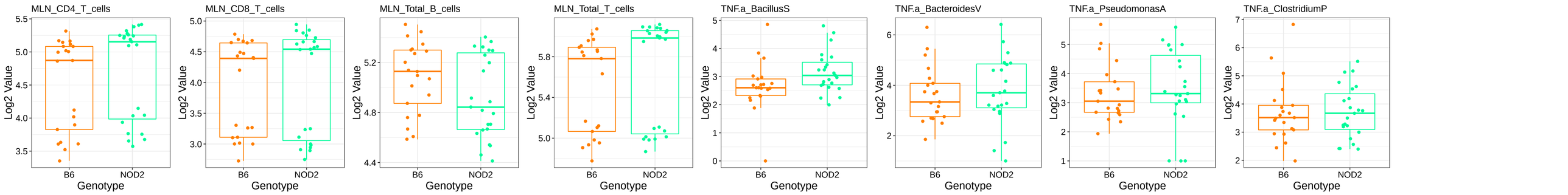

MLN_Total_T_cells
Blood_CD8_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_B_cells
MLN_CD8_T_cells
MLN_CD4_T_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
CCL2_ClostridiumP
IL.10_PseudomonasA
IL.10_BacteroidesV
IL.5_StaphA
IL.10_StaphA
IL.5_PseudomonasA
11.1.2
IL.10_CD3.CD28
TNF.a_BacillusS
TNF.a_ClostridiumP
TNF.a_PseudomonasA
IL.17_CandidaA
IL.13_CD3.CD28
IL.1a_BacteroidesV
CCL2_CandidaA
IL.5_BacillusS
CCL2_CD3.CD28
CCL4_BacteroidesV
IL.5_BacteroidesV
IL.1a_PseudomonasA

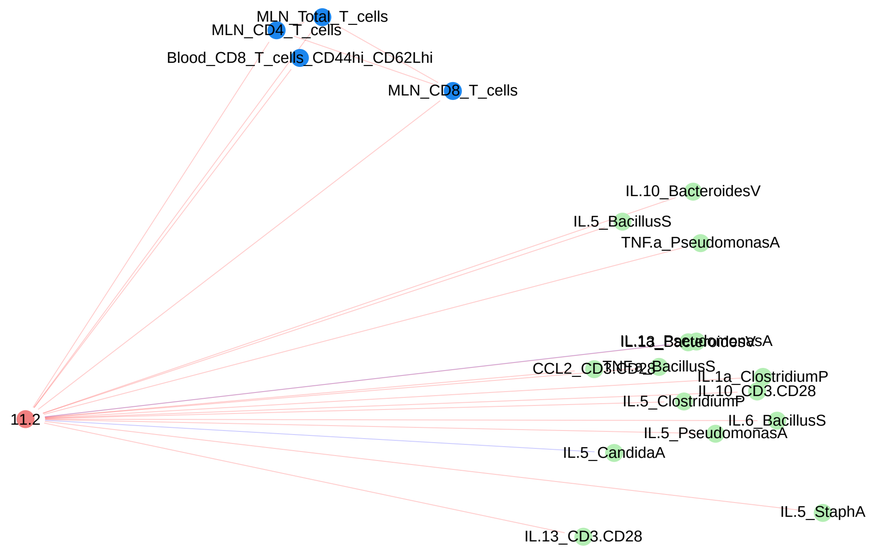

Blood_CD8_T_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
IL.10_CD3.CD28
IL.13_CD3.CD28
IL.10_StaphA
IL.5_BacillusS
IL.5_ClostridiumP
IL.5_StaphA
IL.10_BacteroidesV
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.5_PseudomonasA
IL.10_PseudomonasA
IL.1a_BacteroidesV
CCL2_CandidaA
IL.5_BacteroidesV
IL.17_CandidaA
IL.6_BacillusS
IL.1a_StaphA
CCL2_CD3.CD28
IL.1a_BacillusS
TNF.a_ClostridiumP
CCL2_BacteroidesV
CCL2_ClostridiumP
TNF.a_PseudomonasA
CCL3_BacteroidesV
CCL4_BacteroidesV
TNF.a_BacteroidesV
TNF.a_BacillusS
MLN_Total_B_cells
11.1.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

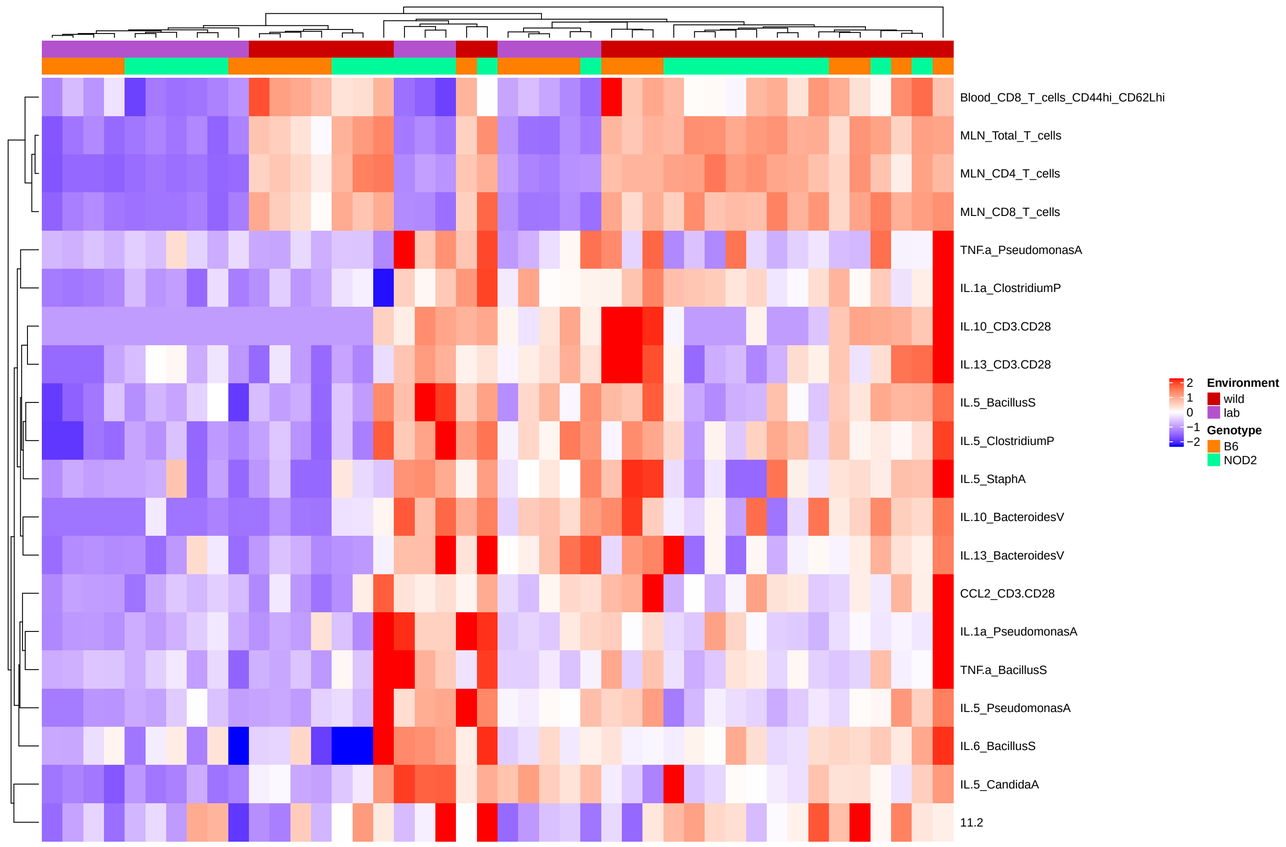

11.1.2
Blood_CD4_T_cells_CD44hi_CD62
Blood_CD8_T_cells
Blood_CD8_T_cells_CD44hi_CD62
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
Log2 Value
B6
NOD2
Genotype

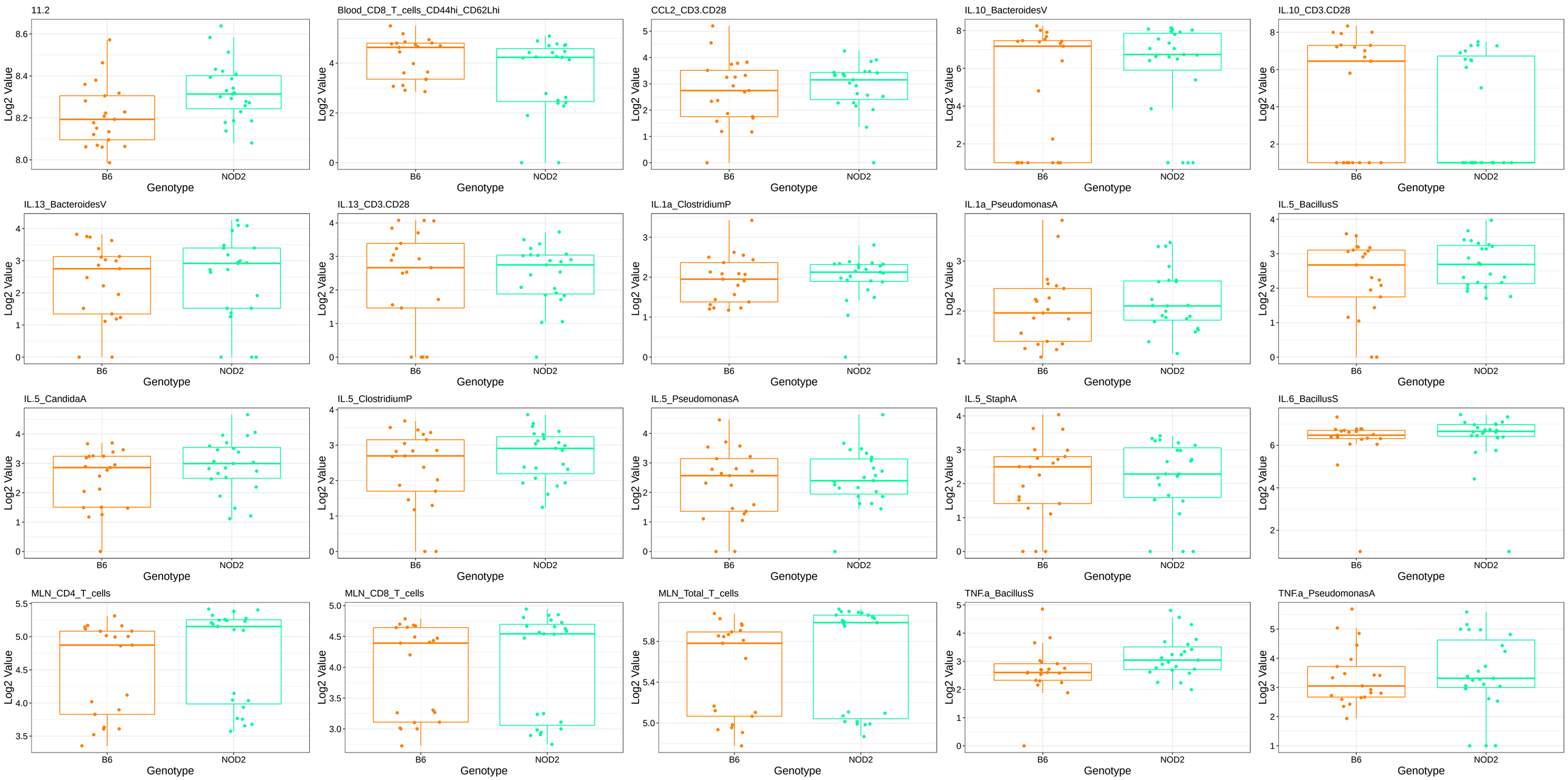

CCL4_BacteroidesV
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.10_PseudomonasA
IL.10_StaphA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
IL.1a_BacteroidesV
Log2 Value
B6
NOD2
Genotype

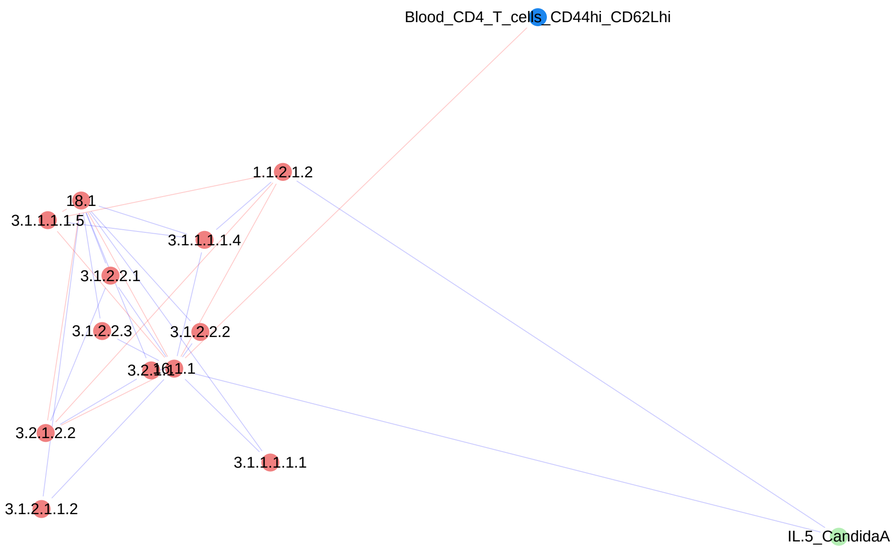

IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.1a_StaphA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_ClostridiumP
IL.5_PseudomonasA
IL.5_StaphA
IL.6_BacillusS
Log2 Value
B6
NOD2
Genotype

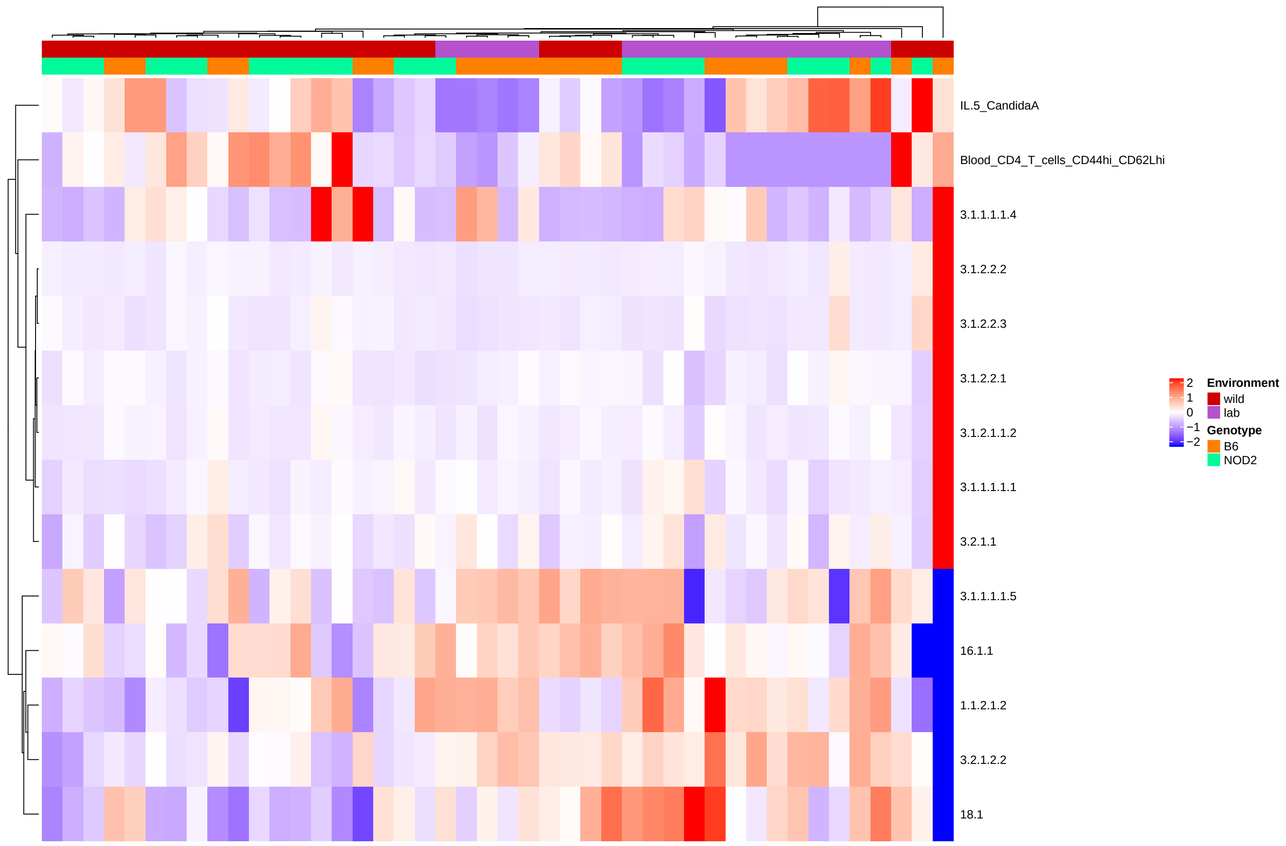

MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_B_cells
MLN_Total_T_cells
TNF.a_BacillusS
TNF.a_BacteroidesV
TNF.a_PseudomonasA
TNF.a_ClostridiumP
Log2 Value
B6
NOD2
Genotype

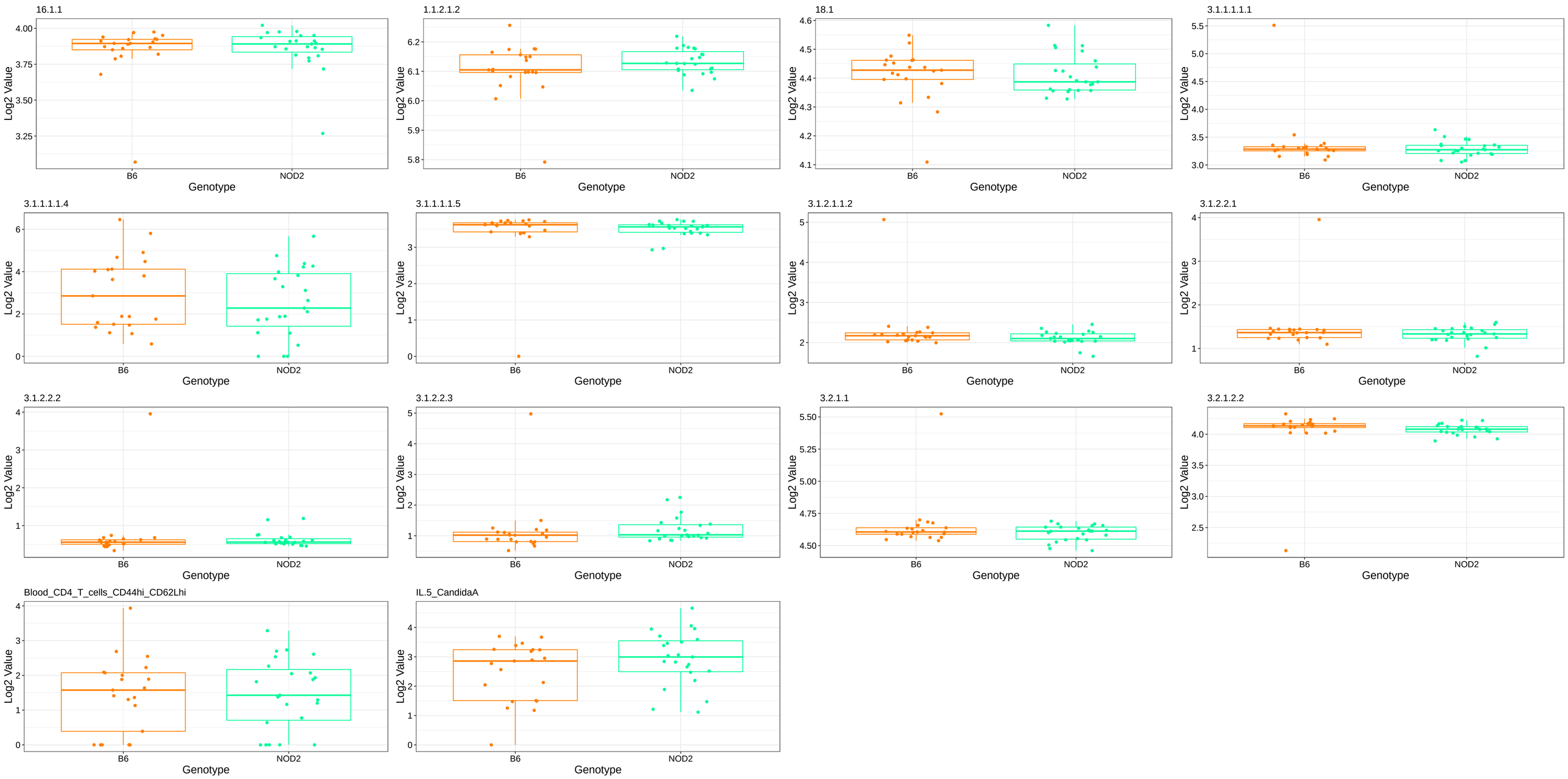

MLN_Total_T_cells
MLN_CD4_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
IL.10_BacteroidesV
IL.5_BacillusS
TNF.a_PseudomonasA
IL.1a_ClostridiumP
IL.10_CD3.CD28
IL.5_ClostridiumP
IL.6_BacillusS
IL.5_PseudomonasA
IL.5_CandidaA
IL.5_StaphA
IL.13_CD3.CD28
11.2

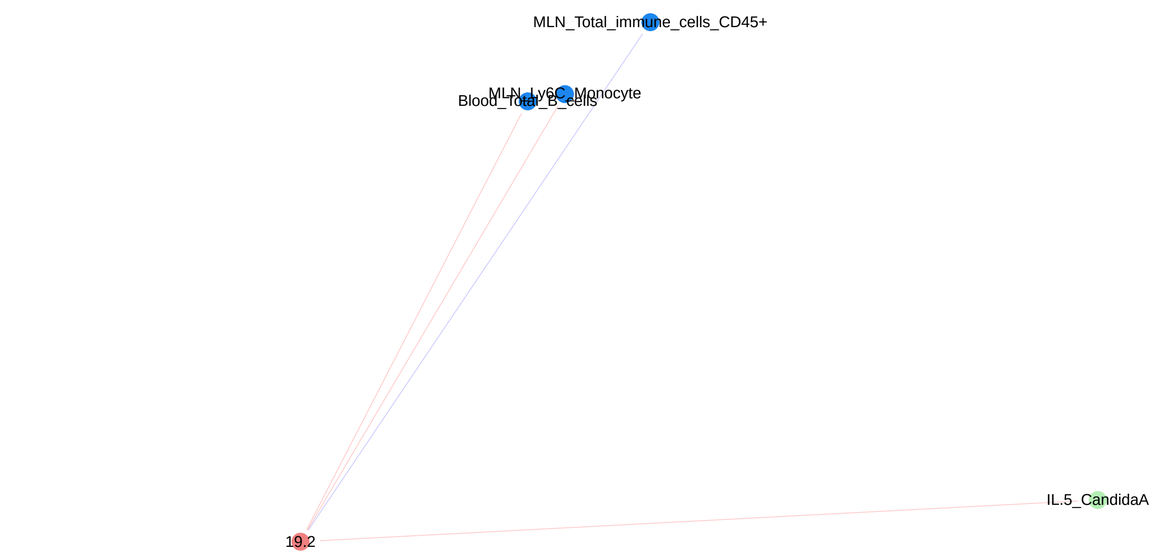

Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
TNF.a_PseudomonasA
IL.1a_ClostridiumP
IL.10_CD3.CD28
IL.13_CD3.CD28
IL.5_BacillusS
IL.5_ClostridiumP
IL.5_StaphA
IL.10_BacteroidesV
IL.13_BacteroidesV
CCL2_CD3.CD28
IL.1a_PseudomonasA
TNF.a_BacillusS
IL.5_PseudomonasA
IL.6_BacillusS
IL.5_CandidaA
11.2
Environment
wild
lab
Genotype
B6
NOD2

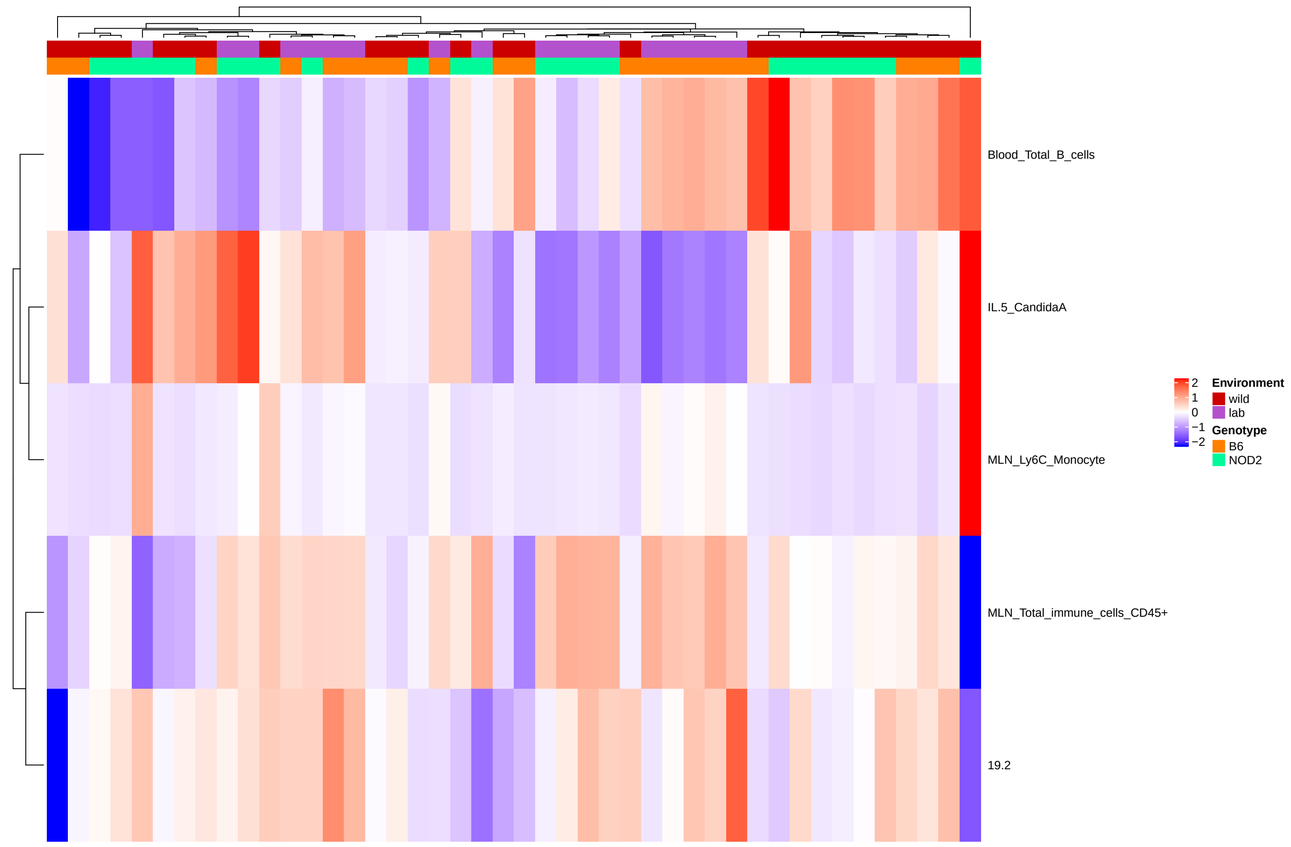

11.2
Blood_CD8_T_cells_CD44hi_CD62Lhi
CCL2_CD3.CD28
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.13_BacteroidesV
IL.13_CD3.CD28
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.5_BacillusS
IL.5_CandidaA
IL.5_ClostridiumP
IL.5_PseudomonasA
IL.5_StaphA
IL.6_BacillusS
MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_T_cells
TNF.a_BacillusS
TNF.a_PseudomonasA
Log2 Value
Genotype
B6
NOD2

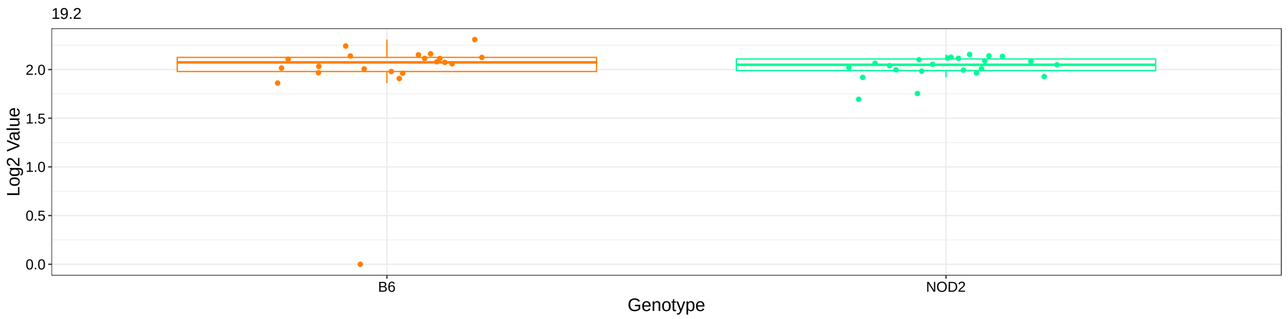

Blood_CD4_T_cells_CD44hi_CD62Lhi
1.1.2.1.2
18.1
3.1.1.1.1.5
3.1.1.1.1.4
3.1.2.2.1
3.1.2.2.3
3.1.2.2.2
3.2.1.1.1
3.2.1.2.2
3.1.1.1.1.1
3.1.2.1.1.2
IL.5_CandidaA

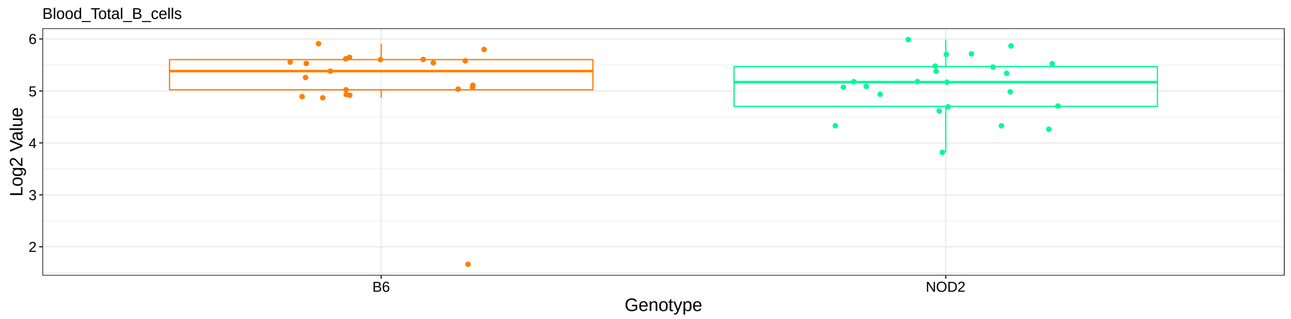

IL.5_CandidaA
Blood_CD4_T_cells_CD44hi_CD62Lhi
3.1.1.1.1.4
3.1.2.2.2
3.1.2.2.3
3.1.2.2.1
3.1.2.1.1.2
3.1.1.1.1.1
3.2.1.1
3.1.1.1.1.5
16.1.1
1.1.2.1.2
3.2.1.2.2
18.1
Environment
wild
lab
Genotype
B6
NOD2

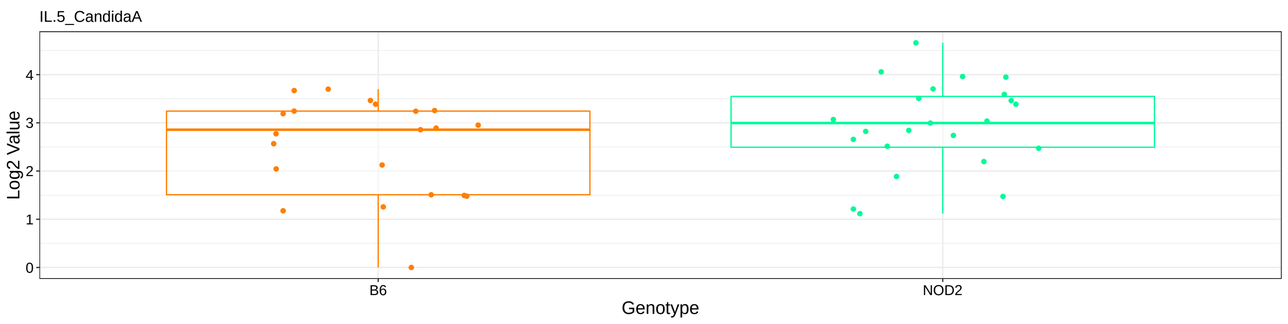

16.1.1
1.1.2.1.2
18.1
3.1.1.1.1.1
3.1.1.1.1.4
3.1.1.1.1.5
3.1.2.1.1.2
3.1.2.2.1
3.1.2.2.2
3.1.2.2.3
3.2.1.1
3.2.1.2.2
Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

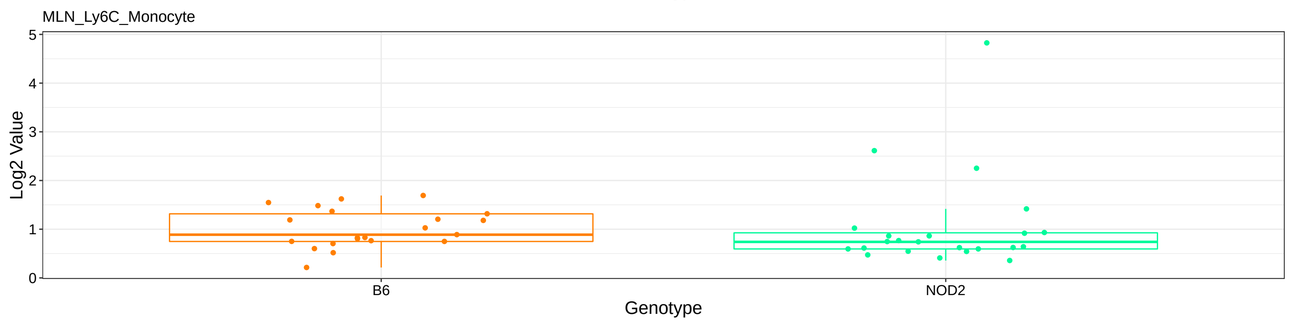

MLN_Total_immune_cells_CD45+
MLN_Ly6C_Monocyte
Blood_Total_B_cells
IL.5_CandidaA
19.2

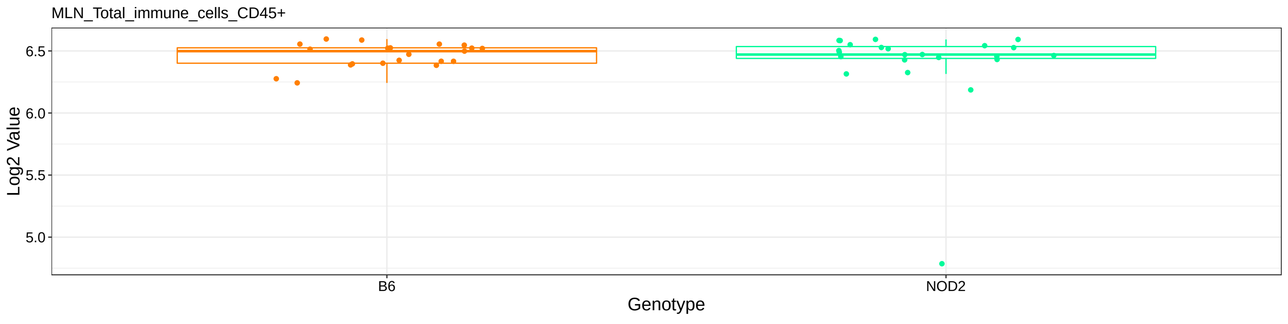

Blood_Total_B_cells
IL.5_CandidaA
MLN_Ly6C_Monocyte
MLN_Total_immune_cells_CD45+
19.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

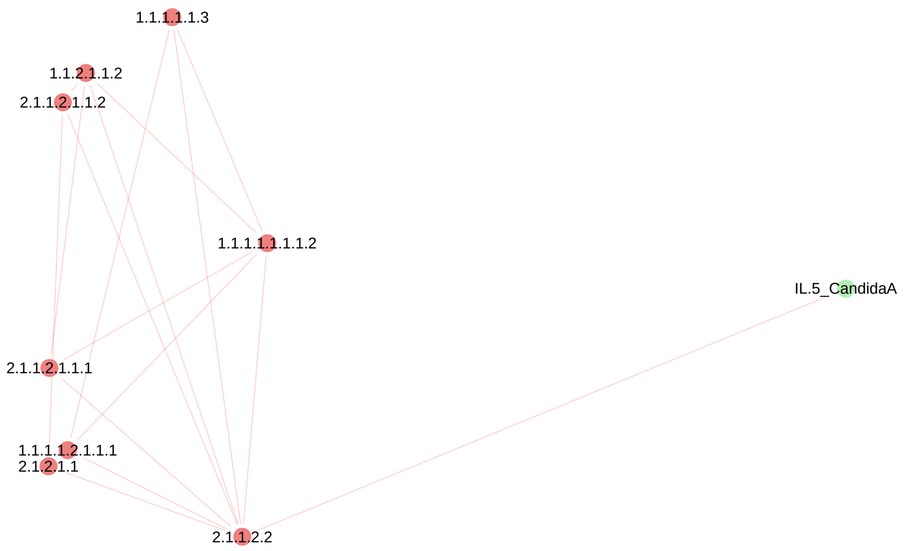

19.2
Log2 Value
2.0
1.5
1.0
0.5
0.0
B6
NOD2
Genotype

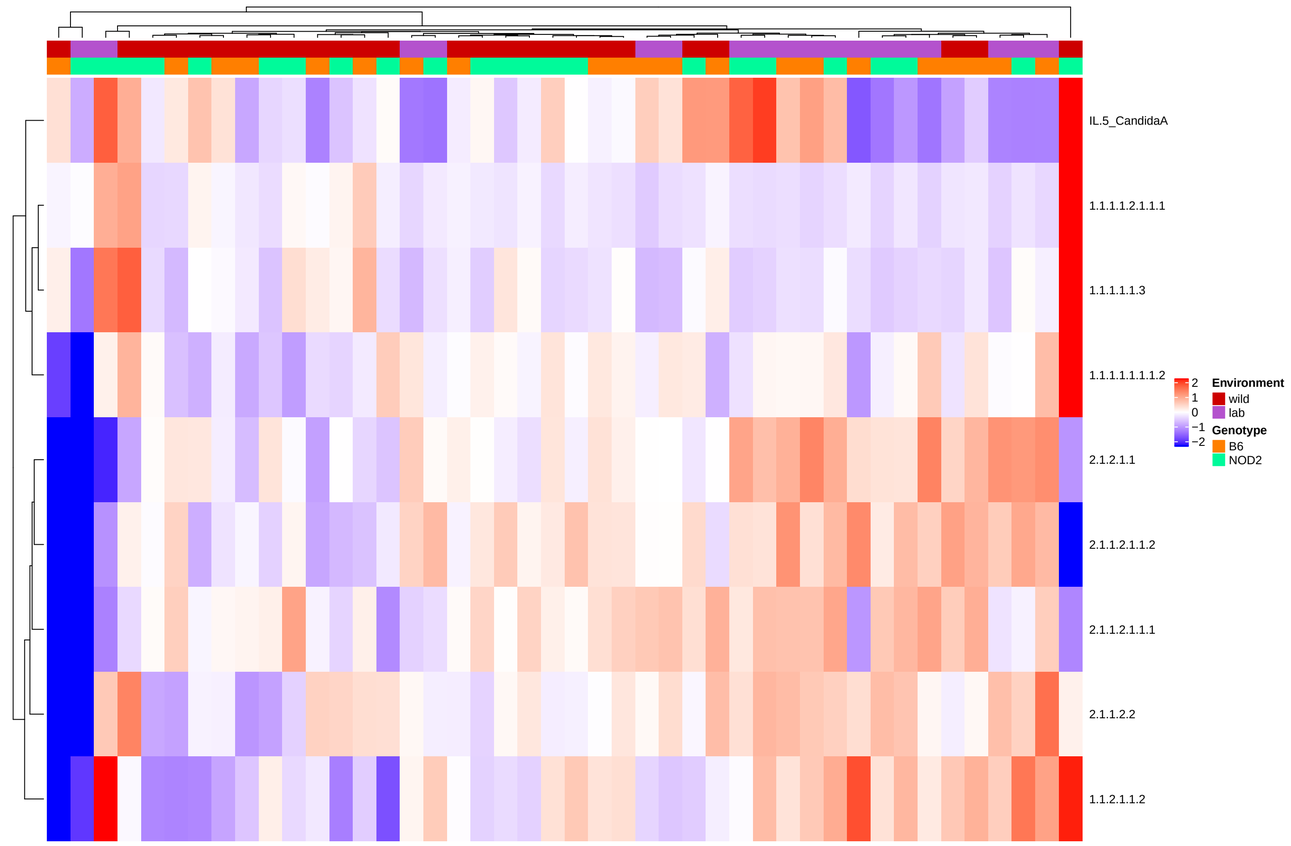

Blood_Total_B_cells
Log2 Value
6
5
4
3
2
B6
NOD2
Genotype

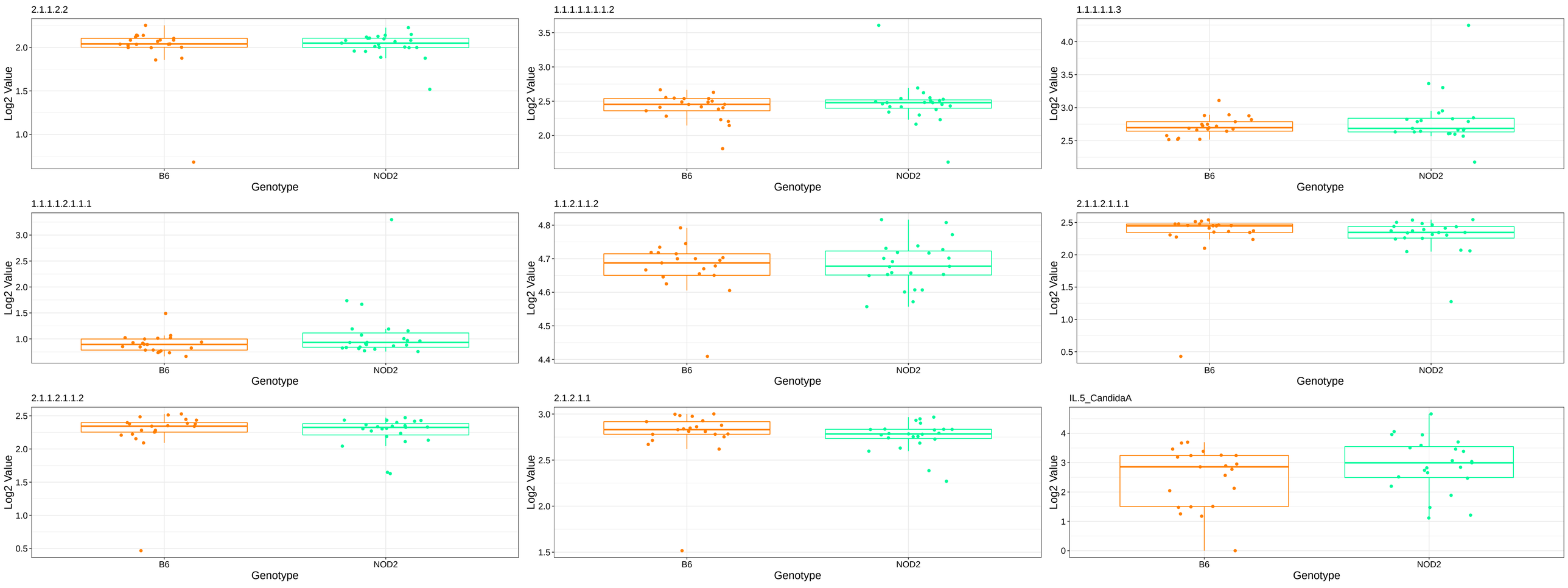

IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

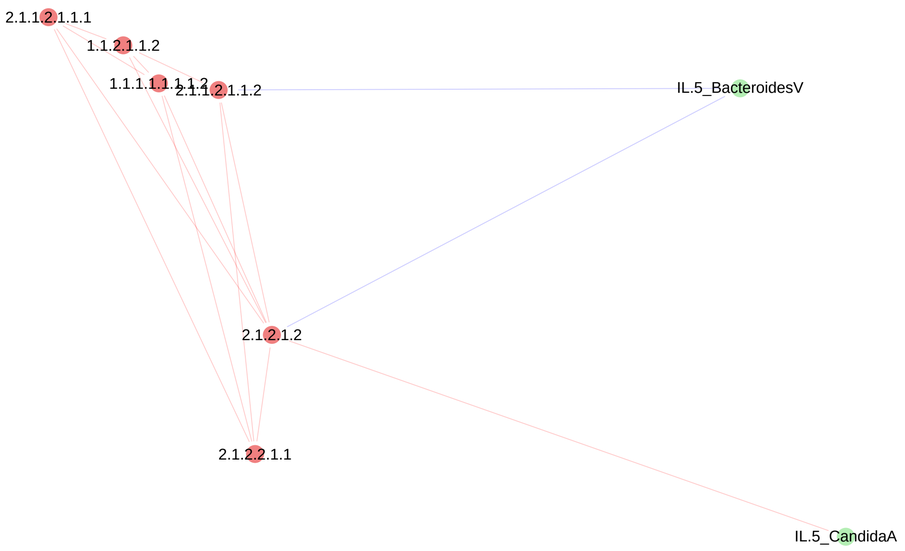

MLN_Ly6C_Monocyte
Log2 Value
5
4
3
2
1
0
B6
NOD2
Genotype

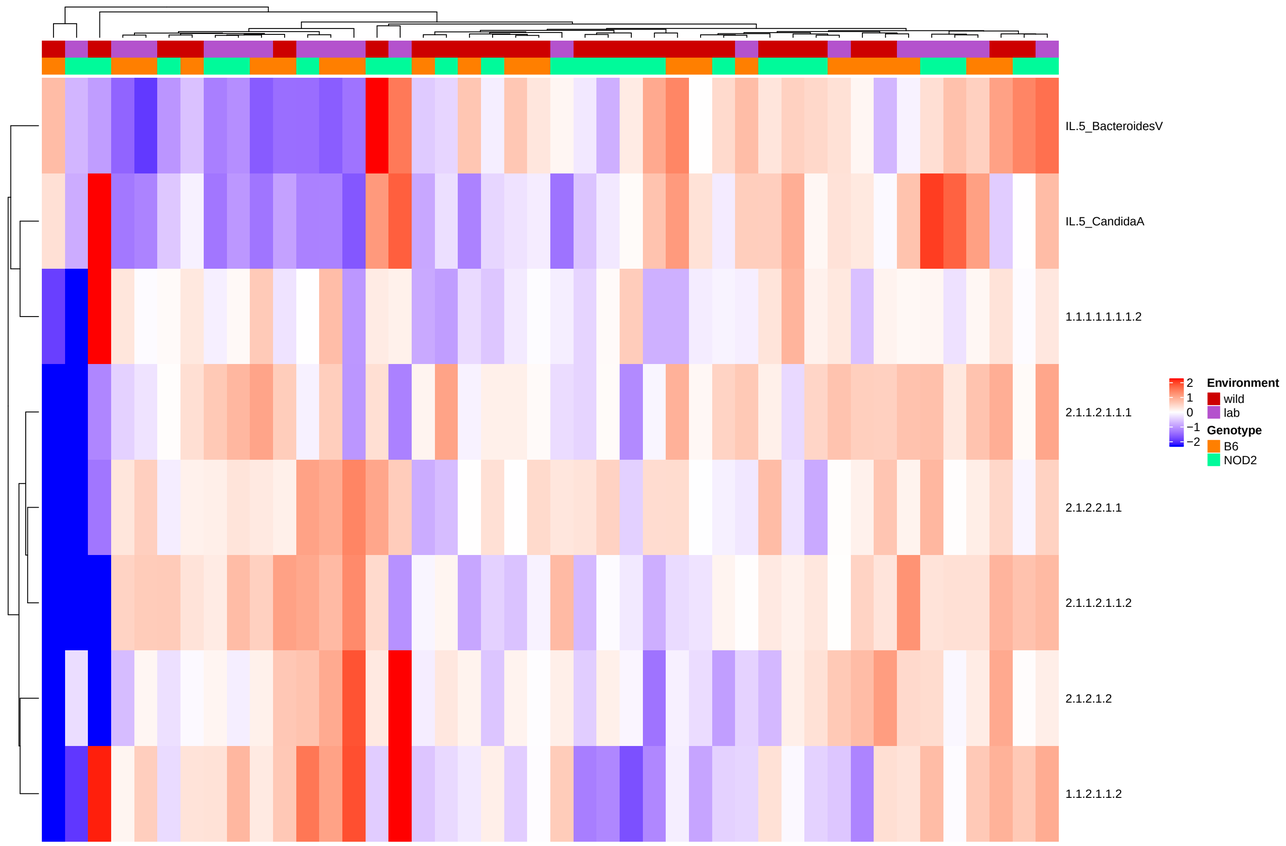

MLN_Total_immune_cells_CD45+
Log2 Value
6.5
6.0
5.5
5.0
B6
NOD2
Genotype

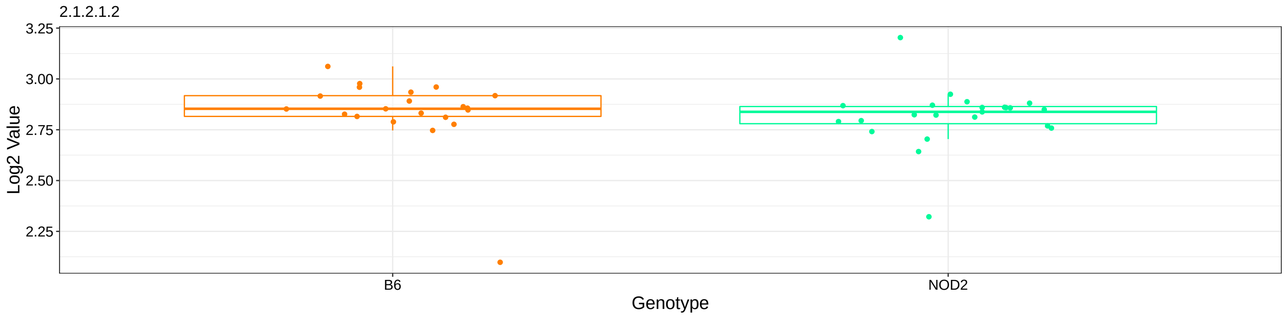

1.1.1.1.1.3
1.1.2.1.1.2
2.1.1.2.1.1.2
1.1.1.1.1.1.1.2
IL.5_CandidaA
2.1.1.2.1.1.1
1.1.1.1.2.1.1.1
2.1.2.1.1
2.1.1.2.2

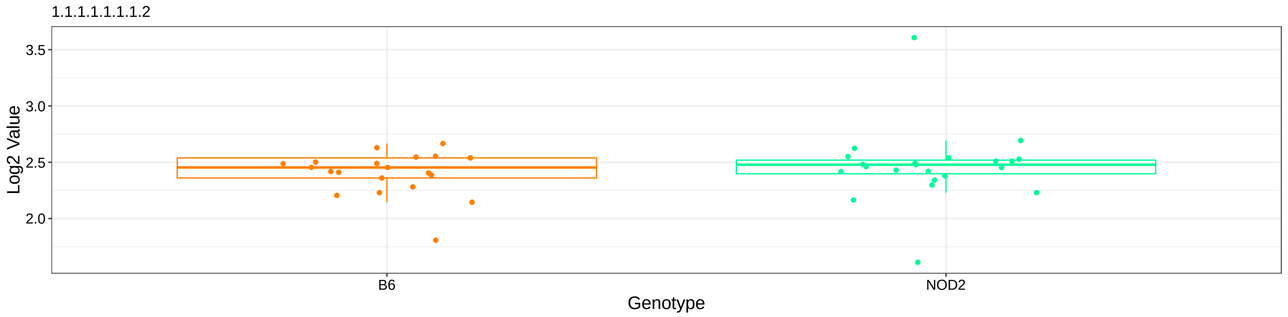

IL.5_CandidaA
1.1.1.1.2.1.1.1
1.1.1.1.1.3
1.1.1.1.1.1.1.2
2.1.2.1.1
2.1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.1.2.2
1.1.2.1.1.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

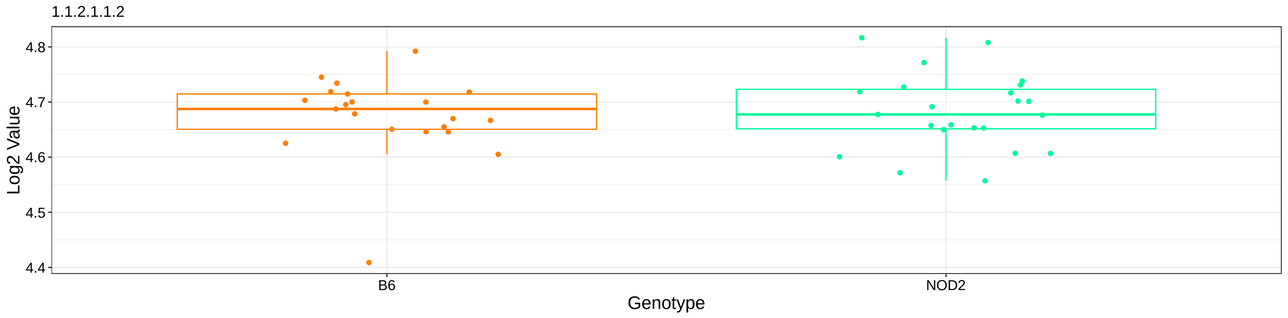

2.1.1.2.2
1.1.1.1.1.1.1.2
1.1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.1.2.1.1.2
2.1.2.1.1
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

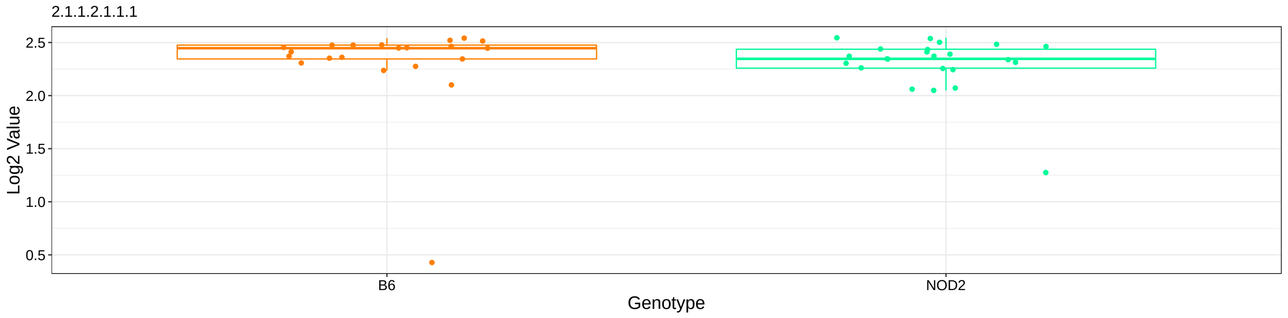

2.1.1.2.1.1.1
1.1.2.1.1.2
1.1.1.1.1.1.1.2
2.1.1.2.1.1.2
IL.5_BacteroidesV
2.1.2.1.2
2.1.2.2.1.1
IL.5_CandidaA

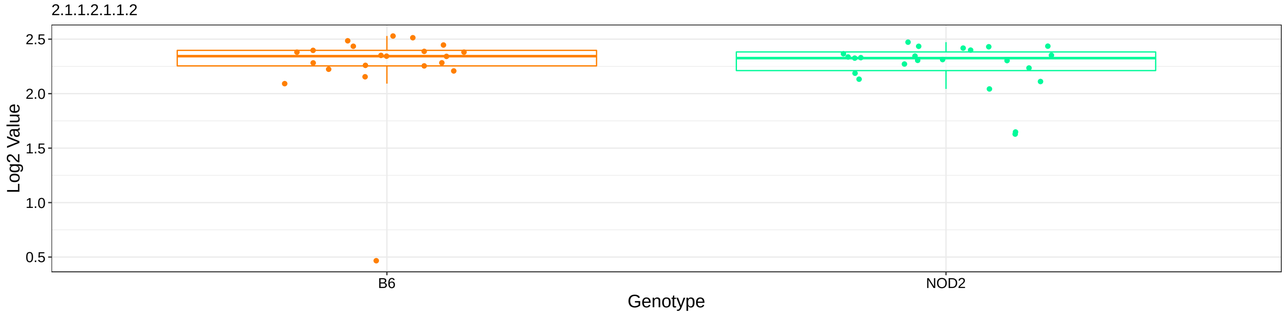

IL.5_BacteroidesV
IL.5_CandidaA
1.1.1.1.1.1.1.2
2.1.1.2.1.1.1
2.1.2.2.1.1
2.1.1.2.1.1.2
2.1.2.1.2
1.1.2.1.1.2
Environment
wild
lab
Genotype
B6
NOD2

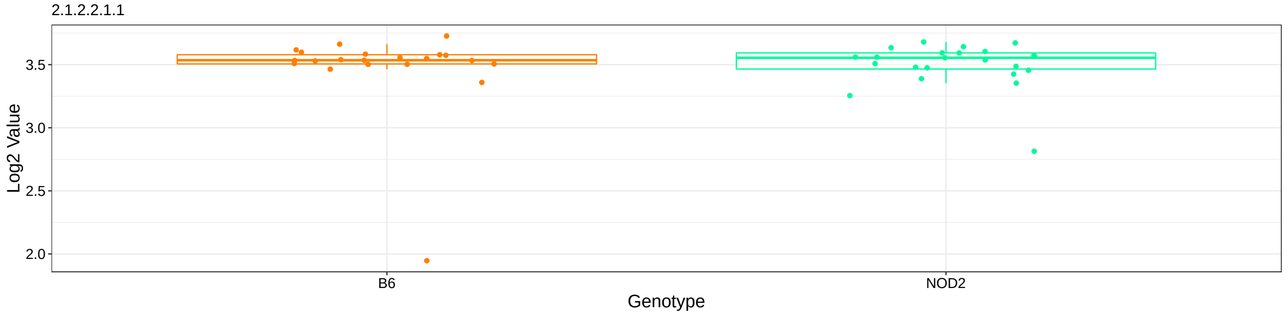

2.1.2.1.2
Log2 Value
B6
NOD2
Genotype

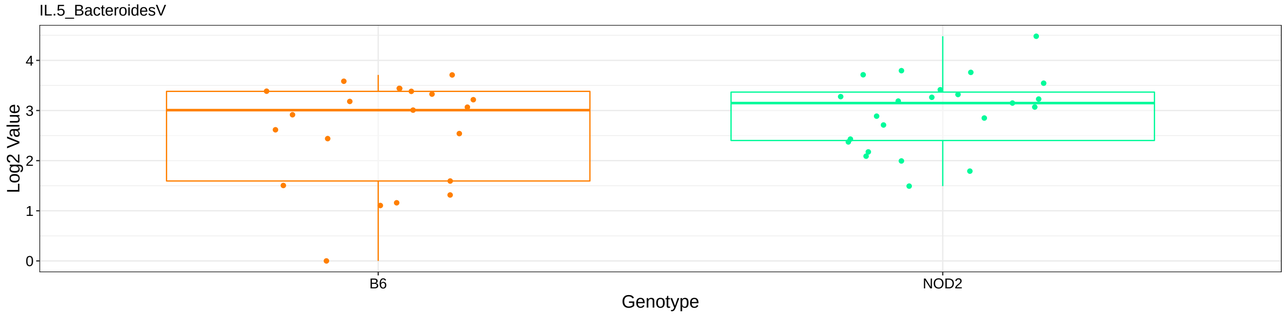

1.1.1.1.1.1.1.2
Log2 Value
B6
NOD2
Genotype

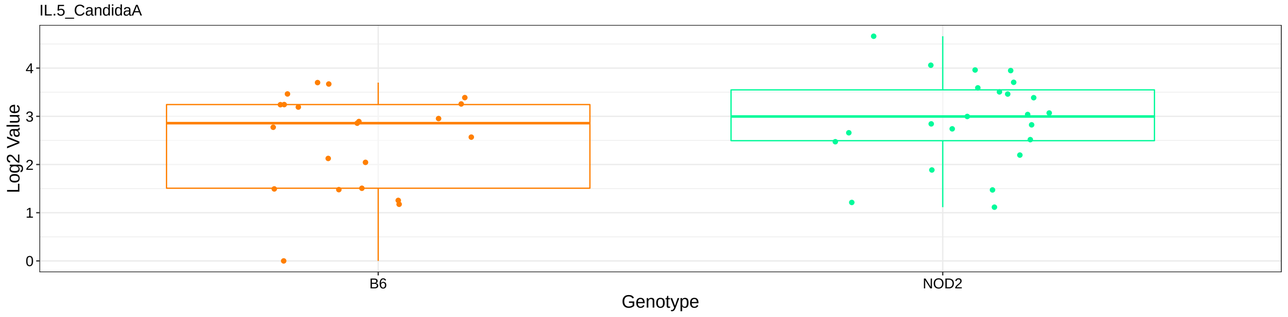

1.1.2.1.1.2
Log2 Value
B6
NOD2
Genotype

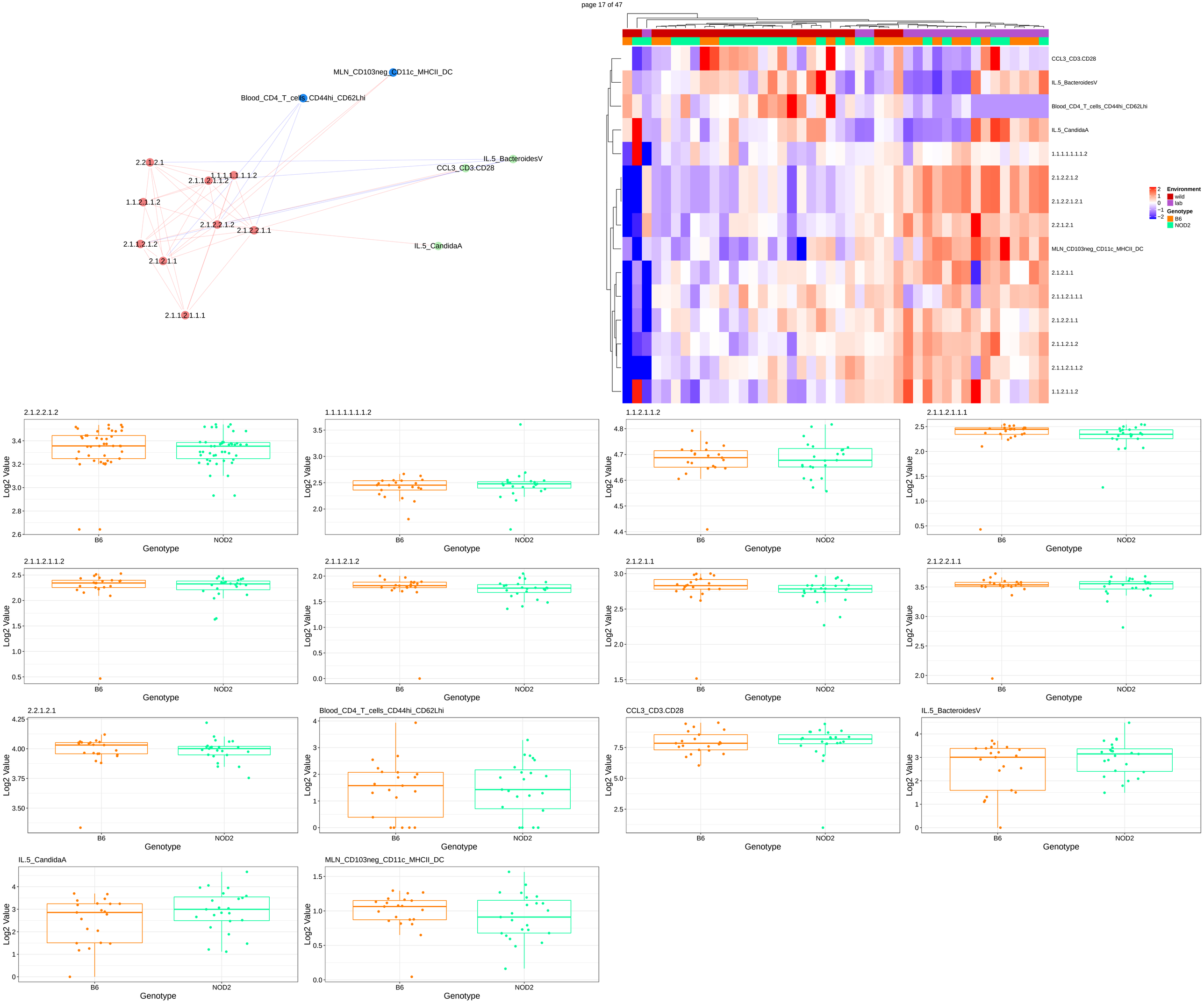

2.1.1.2.1.1.1
Log2 Value
B6
NOD2
Genotype

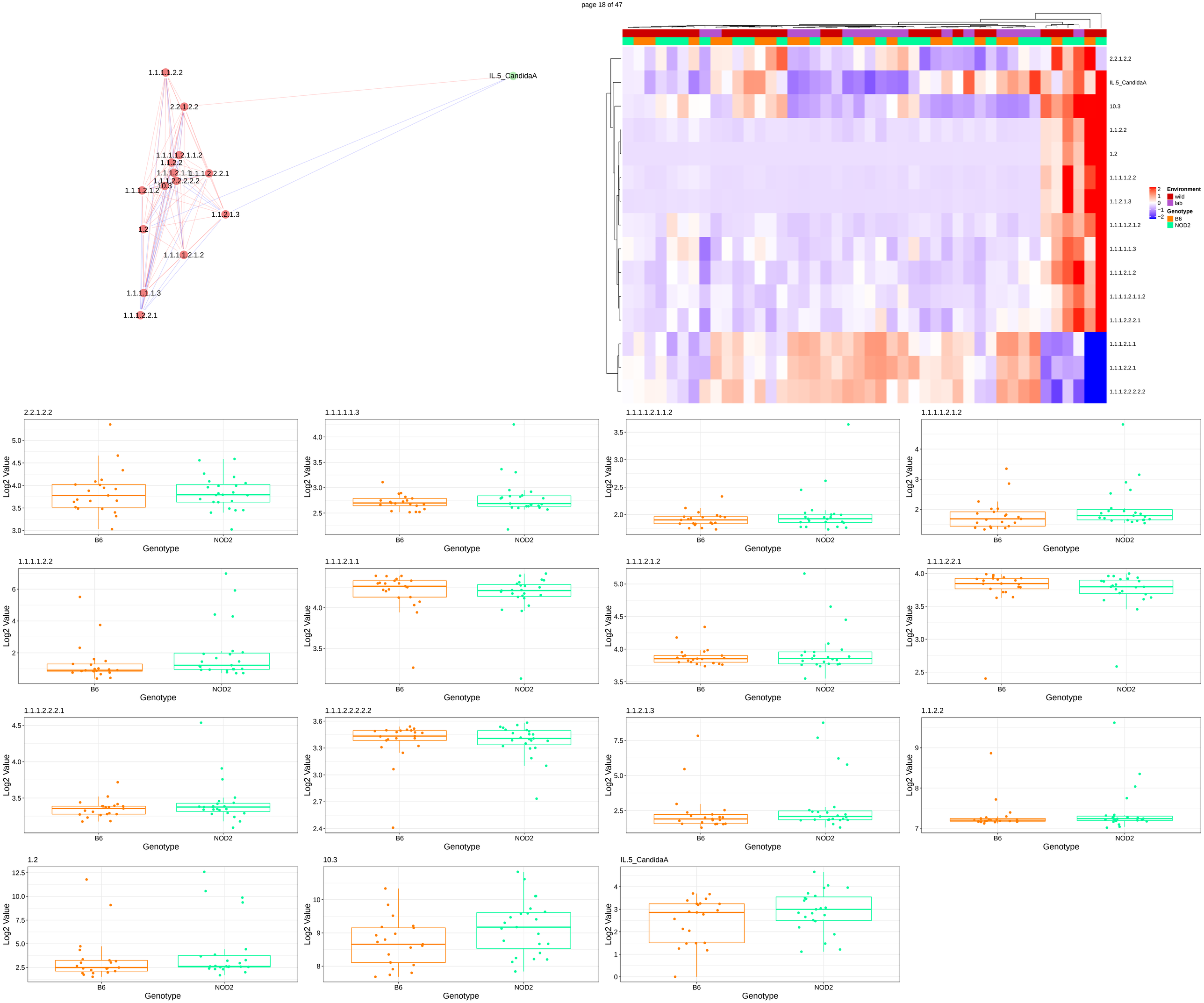

2.1.1.2.1.1.2
Log2 Value
B6
NOD2
Genotype

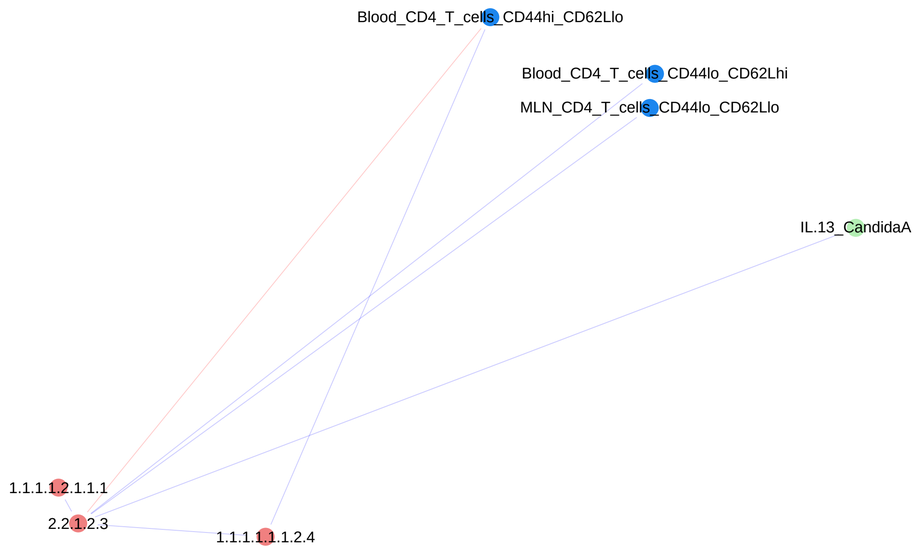

2.1.2.2.1.1
Log2 Value
B6
NOD2
Genotype

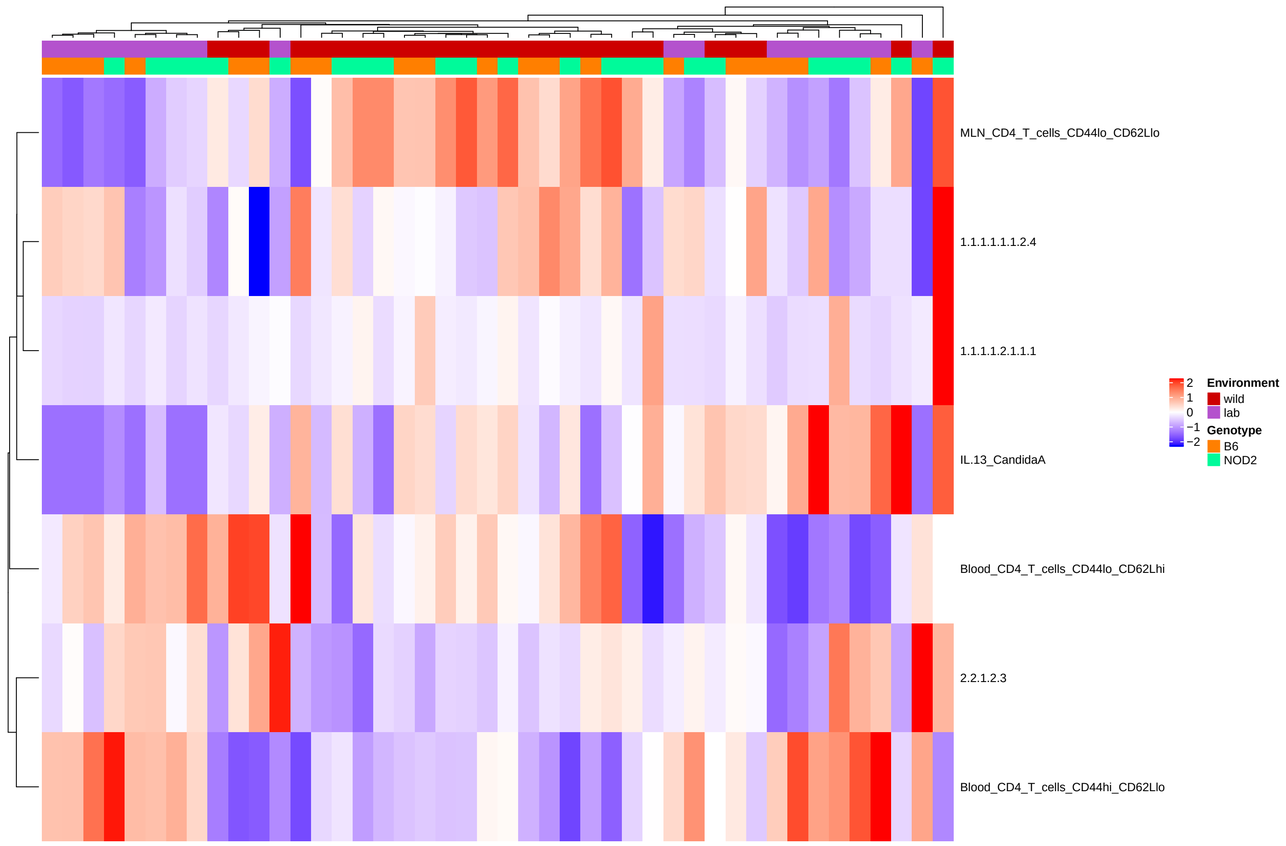

IL.5_BacteroidesV
Log2 Value
B6
NOD2
Genotype

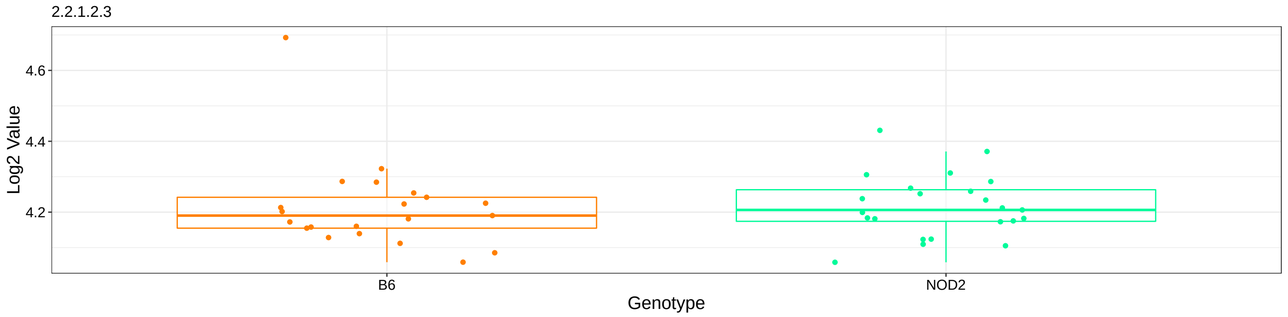

IL.5_CandidaA
Log2 Value
B6
NOD2
Genotype

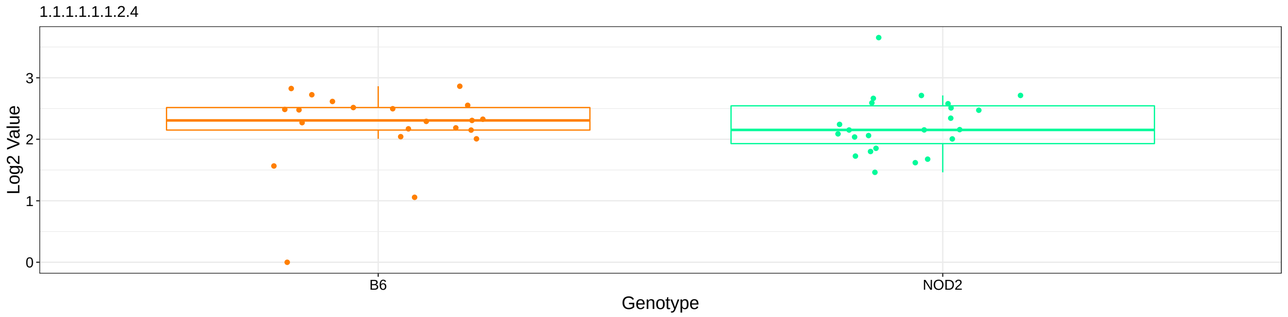

MLN_CD103neg_CD11c_MHCII_DC
Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_BacteroidesV
CCL3_CD3.CD28
IL.5_CandidaA
2.2.1.2.1
1.1.1.1.1.1.1.2
2.1.1.2.1.1.2
1.1.2.1.1.2
2.1.2.2.1.2
2.1.2.2.1.1
2.1.1.2.1.2
2.1.2.1.1
2.1.1.2.1.1.1
CCL3_CD3.CD28
IL.5_BacteroidesV
Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_CandidaA
1.1.1.1.1.1.1.2
2.1.2.2.1.2
2.1.2.2.1.2.1
2.2.1.2.1
MLN_CD103neg_CD11c_MHCII_DC
2.1.2.1.1
2.1.1.2.1.1.1
2.1.2.2.1.1
2.1.1.2.1.2
2.1.1.2.1.1.2
1.1.2.1.1.2
Environment
wild
lab
Genotype
B6
NOD2
2.1.2.2.1.2
1.1.1.1.1.1.1.2
1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.1.2.1.1.2
2.1.1.2.1.2
2.1.2.1.1
2.1.2.2.1.1
2.2.1.2.1
Blood_CD4_T_cells_CD44hi_CD62Lhi
CCL3_CD3.CD28
IL.5_BacteroidesV
IL.5_CandidaA
MLN_CD103neg_CD11c_MHCII_DC
Log2 Value
Genotype
B6
NOD2

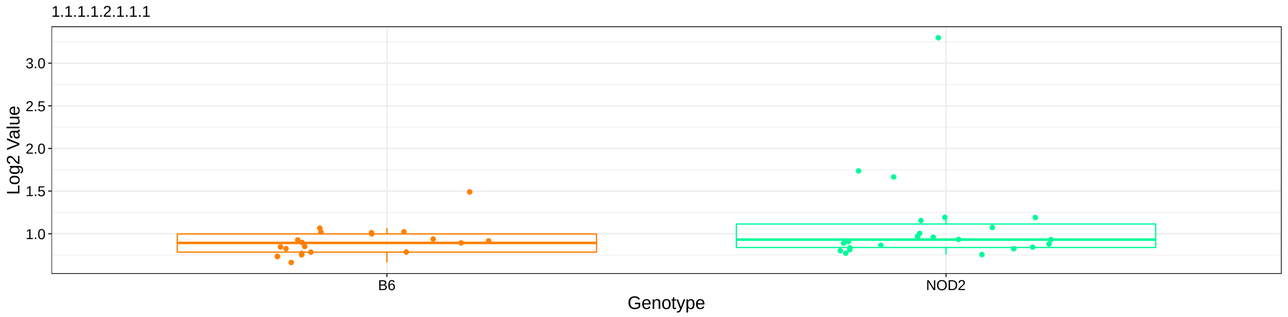

1.1.1.1.2.2
2.2.1.2.2
1.1.1.1.2.1.1.2
1.1.2.2
1.1.1.2.1.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2
10.3
1.1.1.2.1.2
1.1.2.1.3
1.2
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.2.1
IL.5_CandidaA
2.2.1.2.2
IL.5_CandidaA
10.3
1.1.2.2
1.2
1.1.1.1.2.2
1.1.2.1.3
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.1
1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.2.2
Environment
wild
lab
Genotype
B6
NOD2
2.2.1.2.2
1.1.1.1.1.3
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.1.2.2
1.1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.1.2.2.2.2.1
1.1.1.2.2.2.2.2
1.1.2.1.3
1.1.2.2
1.2
10.3
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

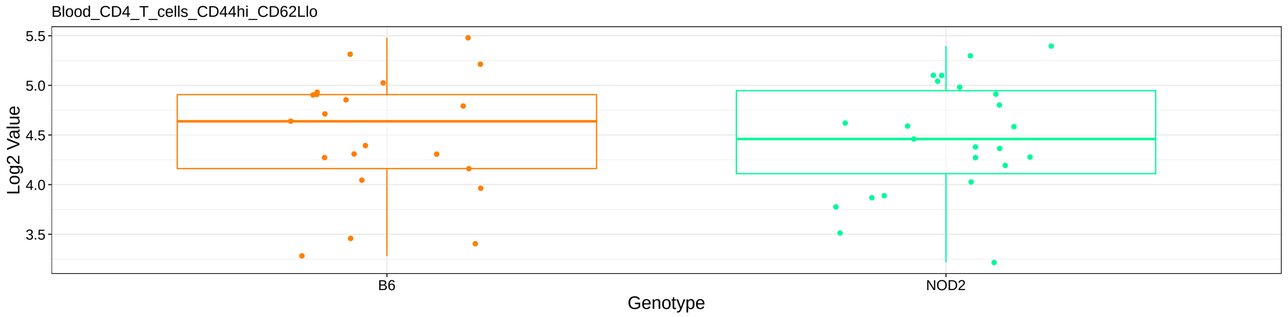

Blood_CD4_T_cells_CD44hi_CD62Llo
Blood_CD4_T_cells_CD44lo_CD62Lhi
MLN_CD4_T_cells_CD44lo_CD62Llo
IL.13_CandidaA
1.1.1.1.2.1.1.1
2.2.1.2.3
1.1.1.1.1.1.2.4

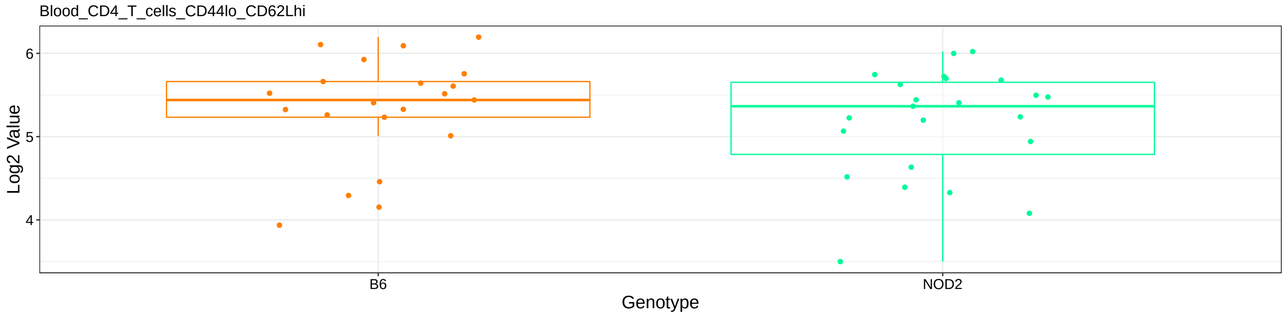

MLN_CD4_T_cells_CD44lo_CD62Llo
1.1.1.1.1.1.2.4
1.1.1.1.2.1.1.1
IL.13_CandidaA
Blood_CD4_T_cells_CD44lo_CD62Lhi
2.2.1.2.3
Blood_CD4_T_cells_CD44hi_CD62Llo
Environment
wild
lab
Genotype
B6
NOD2

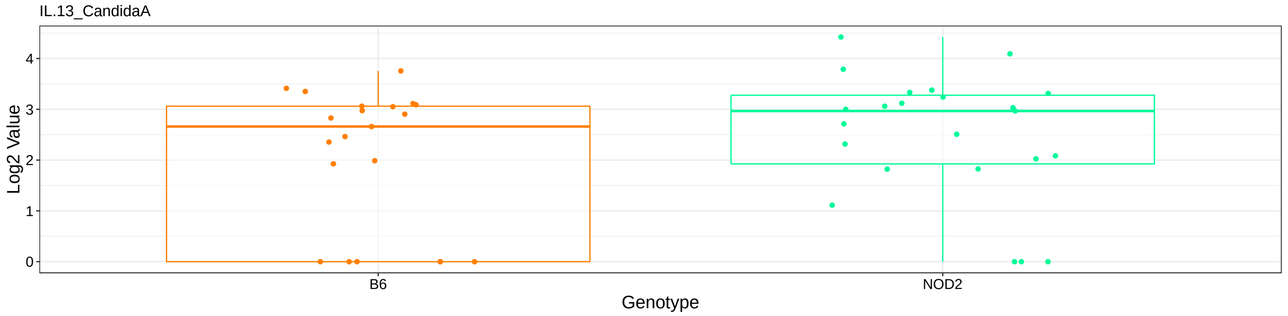

2.2.1.2.3
Log2 Value
4.6
4.4
4.2
B6
NOD2
Genotype

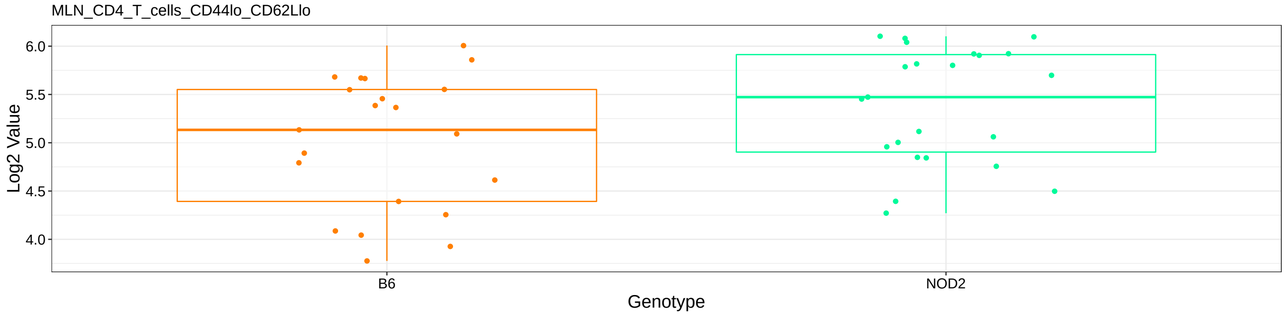

1.1.1.1.1.1.2.4
Log2 Value
3
2
1
0
B6
NOD2
Genotype

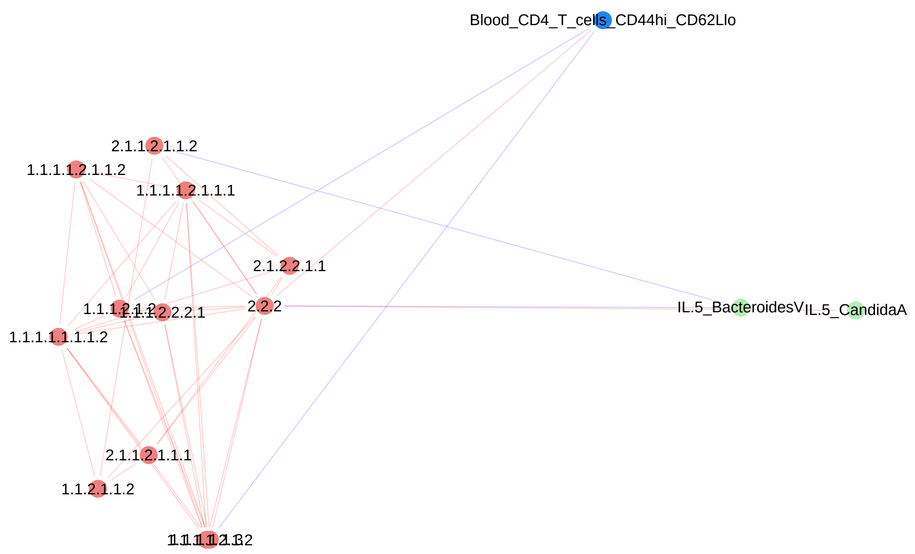

1.1.1.1.2.1.1.1
Log2 Value
3.0
2.5
2.0
1.5
1.0
B6
NOD2
Genotype

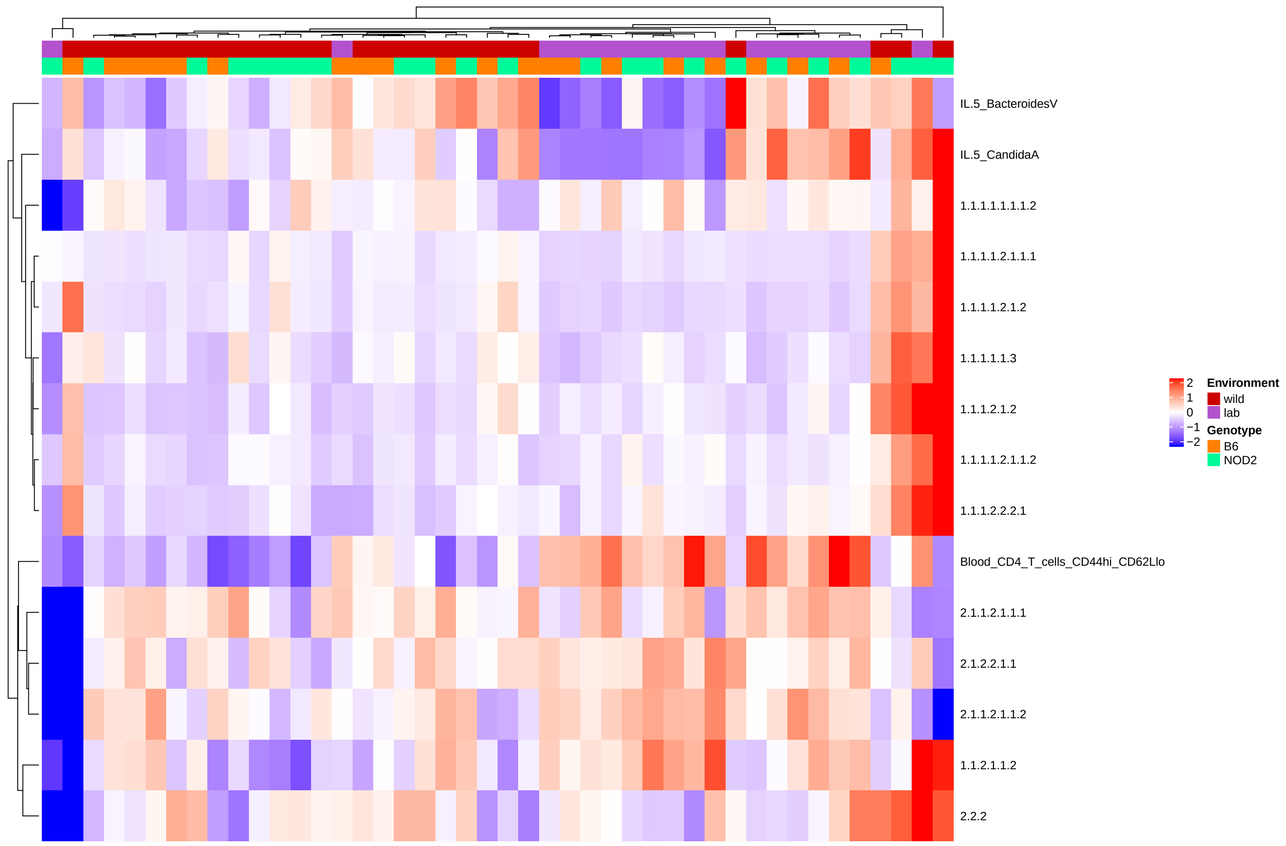

Blood_CD4_T_cells_CD44hi_CD62Llo
Log2 Value
5.5
5.0
4.5
4.0
3.5
B6
NOD2
Genotype

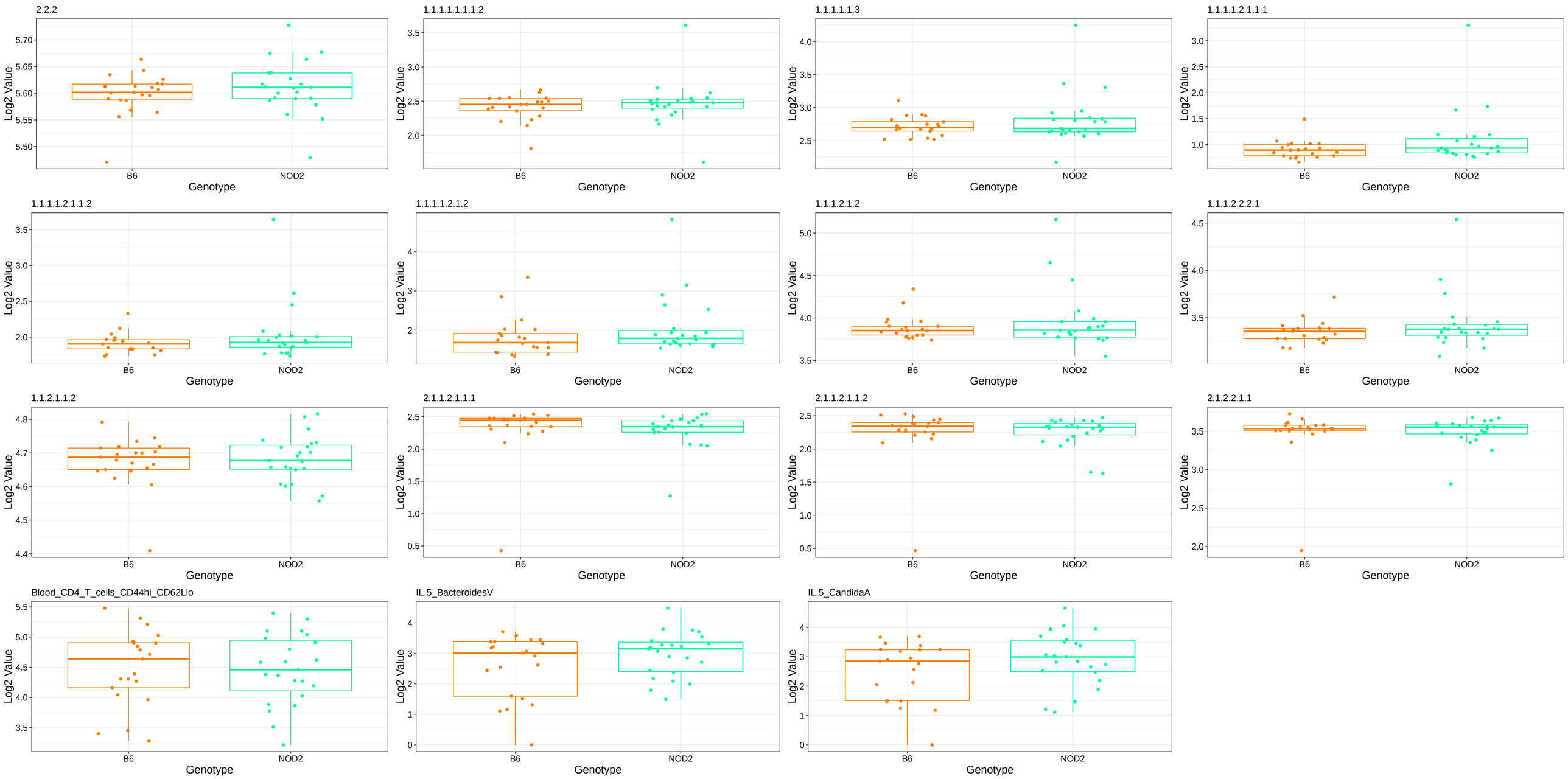

Blood_CD4_T_cells_CD44lo_CD62Lhi
Log2 Value
6
5
4
B6
NOD2
Genotype

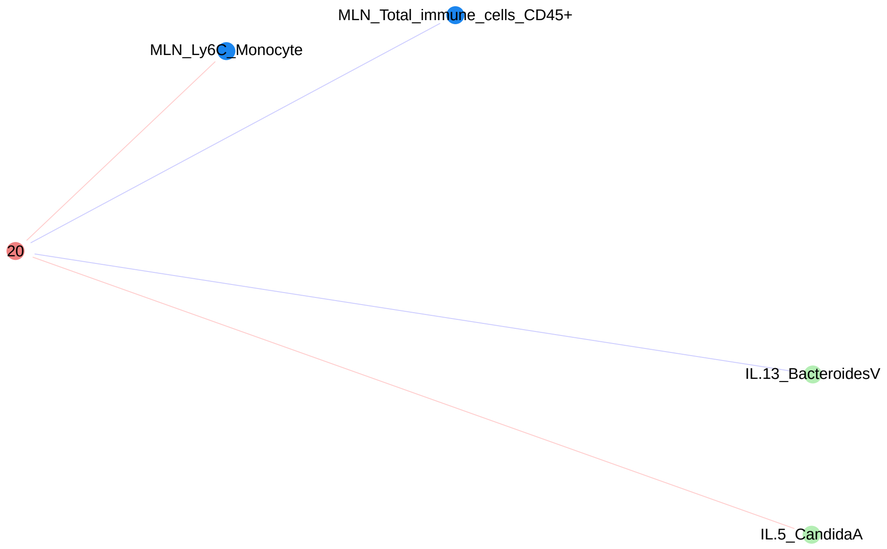

IL.13_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

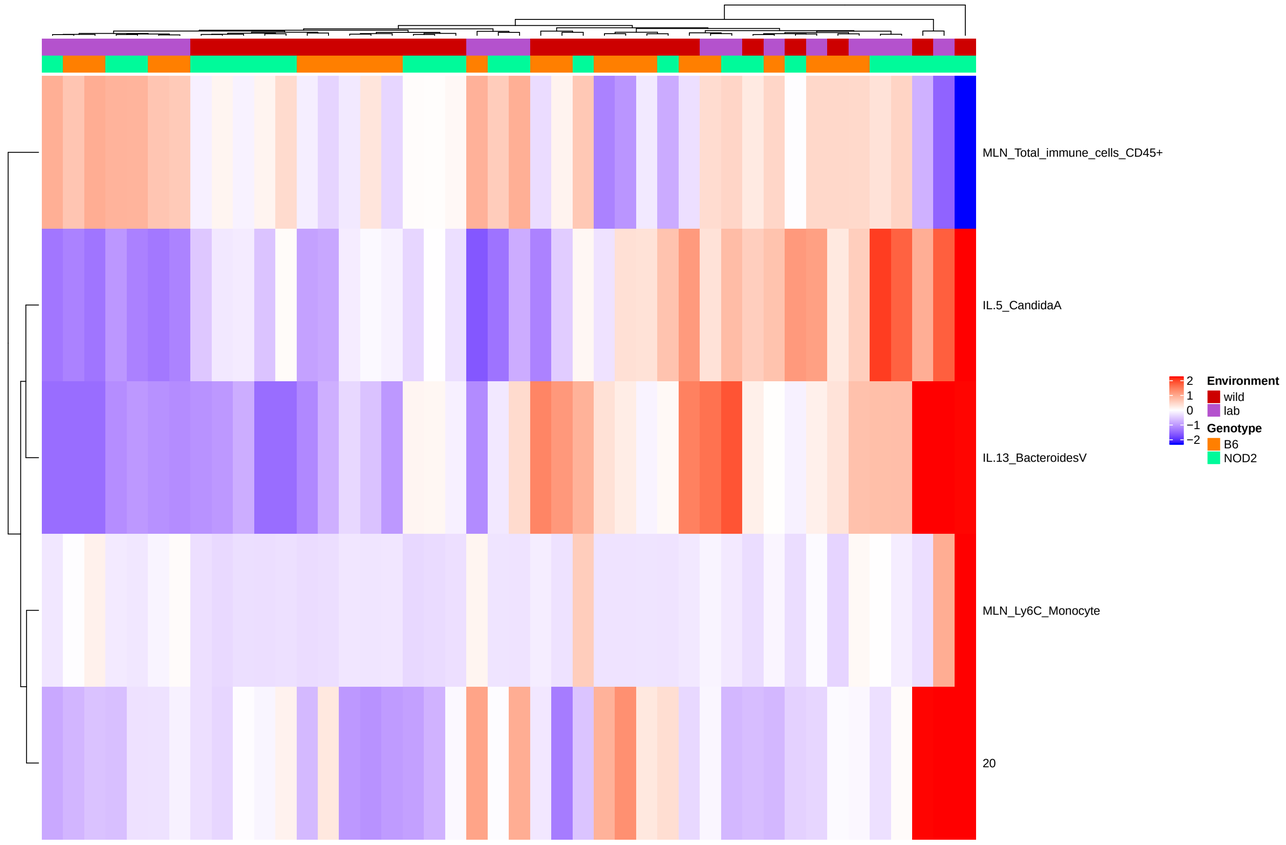

MLN_CD4_T_cells_CD44lo_CD62Llo
Log2 Value
6.0
5.5
5.0
4.5
4.0
B6
NOD2
Genotype

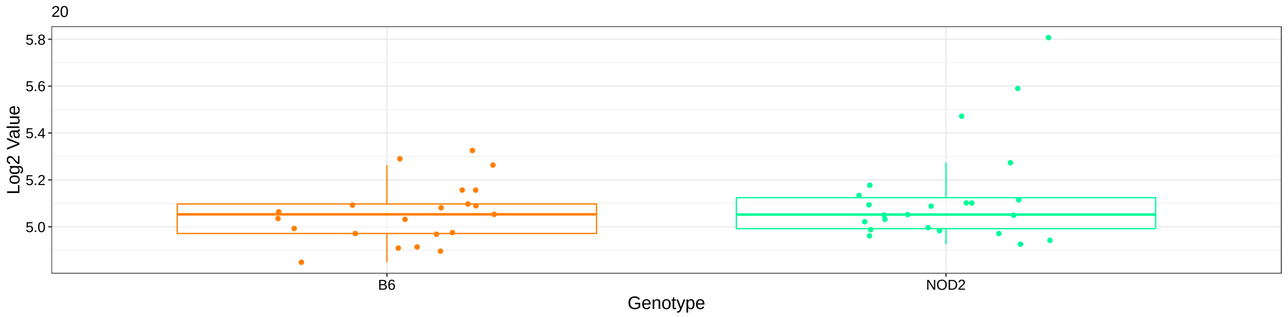

Blood_CD4_T_cells_CD44hi_CD62Llo
2.1.1.2.1.1.2
1.1.1.1.2.1.1.2
1.1.1.1.2.1.1.1
2.1.2.2.1.1
2.2.2
IL.5_BacteroidesV
IL.5_CandidaA
1.1.1.1.1.1.1.2
2.1.1.2.1.1.1
1.1.2.1.1.2

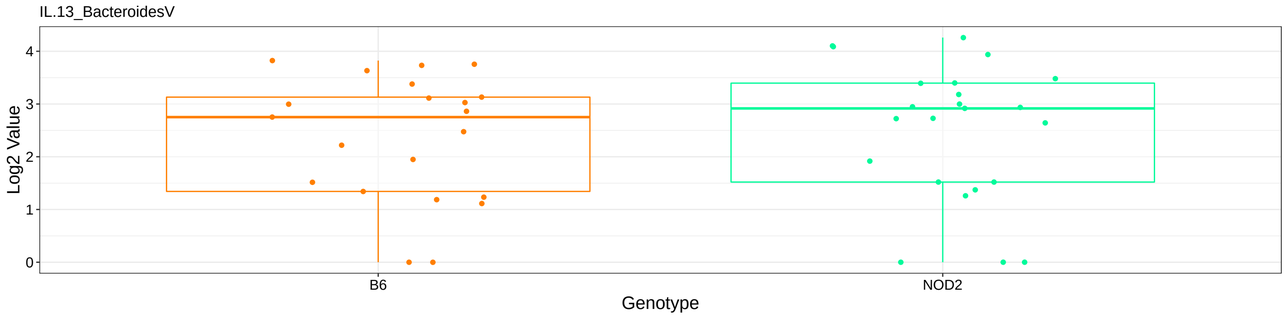

IL.5_BacteroidesV
IL.5_CandidaA
1.1.1.1.1.1.1.2
1.1.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.2.1.2
1.1.1.1.2.1.1.2
1.1.1.2.2.2.1
Blood_CD4_T_cells_CD44hi_CD62Llo
2.1.1.2.1.1.1
2.1.2.2.1.1
2.1.1.2.1.1.2
1.1.2.1.1.2
2.2.2
Environment
wild
lab
Genotype
B6
NOD2

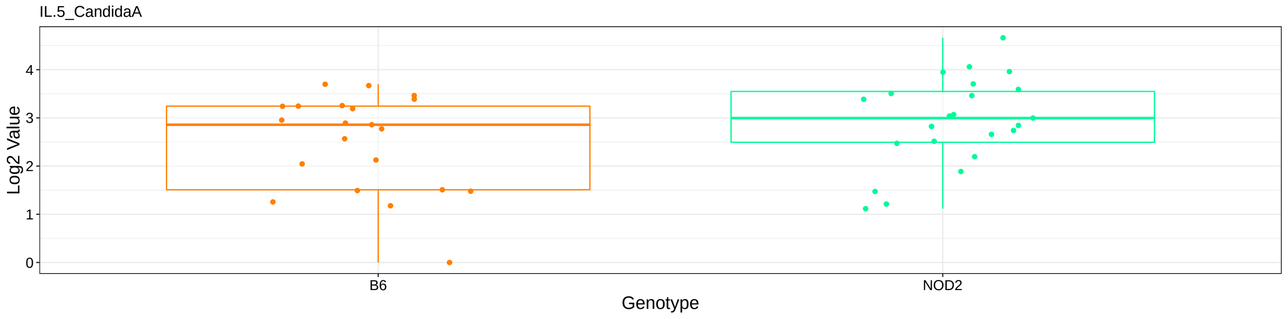

2.2.2
1.1.1.1.1.1.1.2
1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.2.1.2
1.1.1.2.2.2.1
1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.1.2.1.1.2
2.1.2.2.1.1
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.5_BacteroidesV
IL.5_CandidaA
Log2 Value
Genotype
B6
NOD2

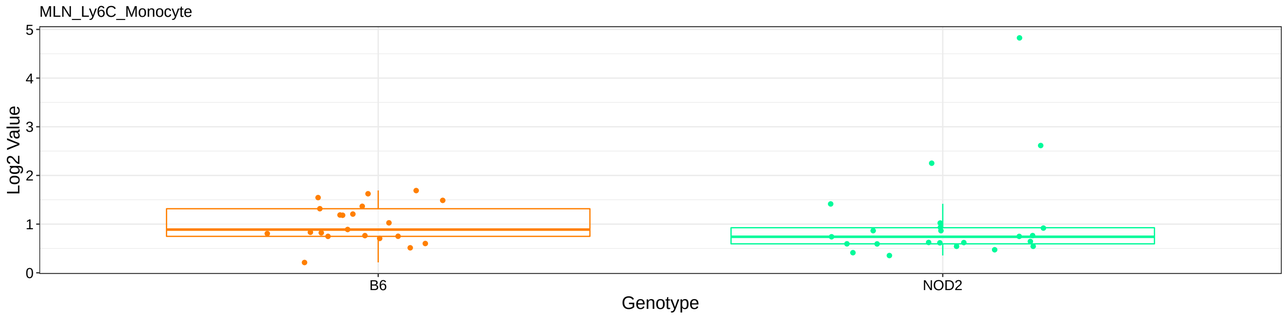

MLN_Total_immune_cells_CD45+
MLN_Ly6C_Monocyte
20
IL.13_BacteroidesV
IL.5_CandidaA

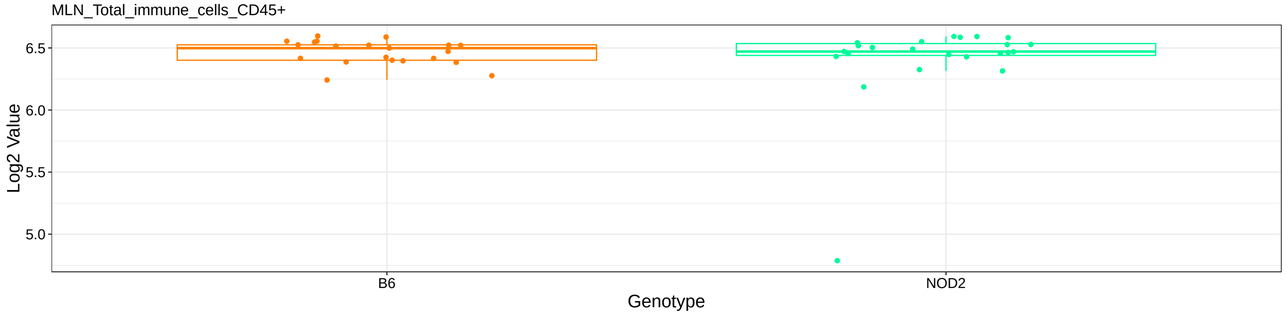

MLN_Total_immune_cells_CD45+
IL.5_CandidaA
IL.13_BacteroidesV
MLN_Ly6C_Monocyte
20
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

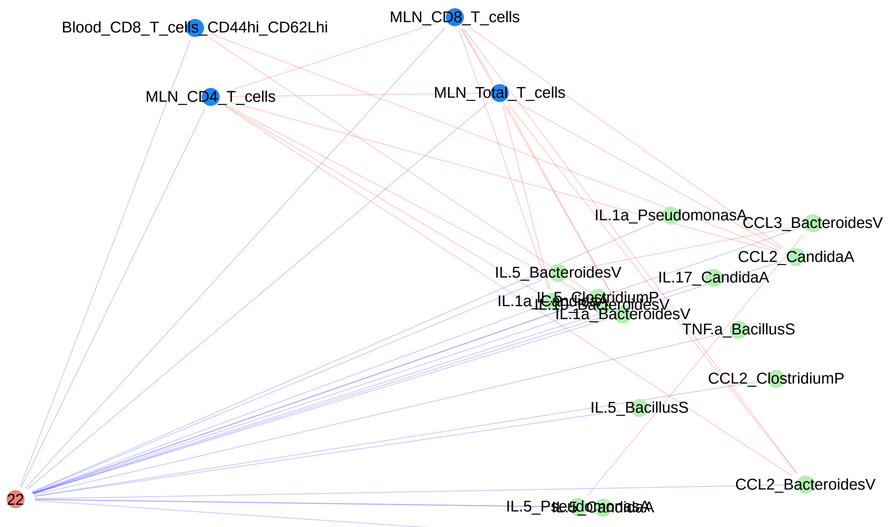

20
Log2 Value
5.8
5.6
5.4
5.2
5.0
B6
NOD2
Genotype

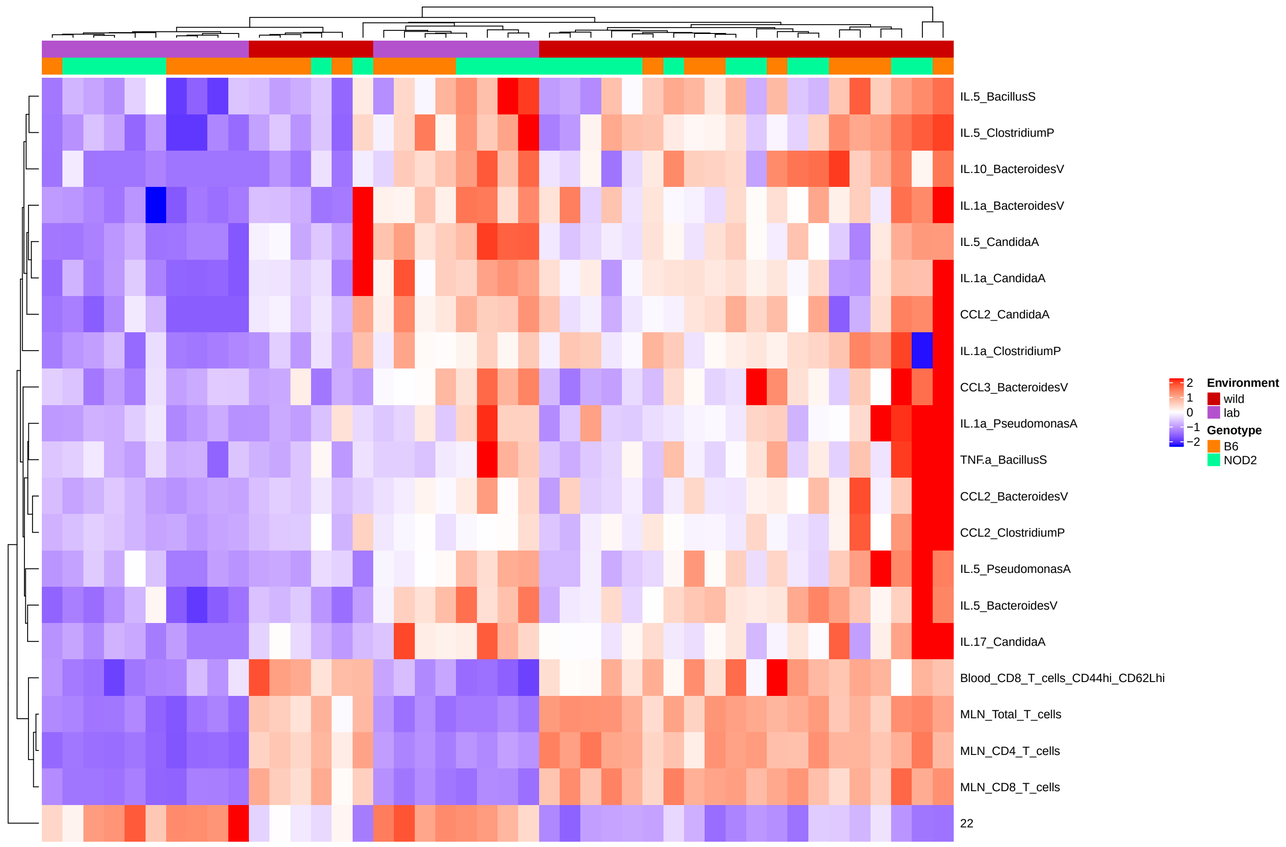

IL.13_BacteroidesV
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

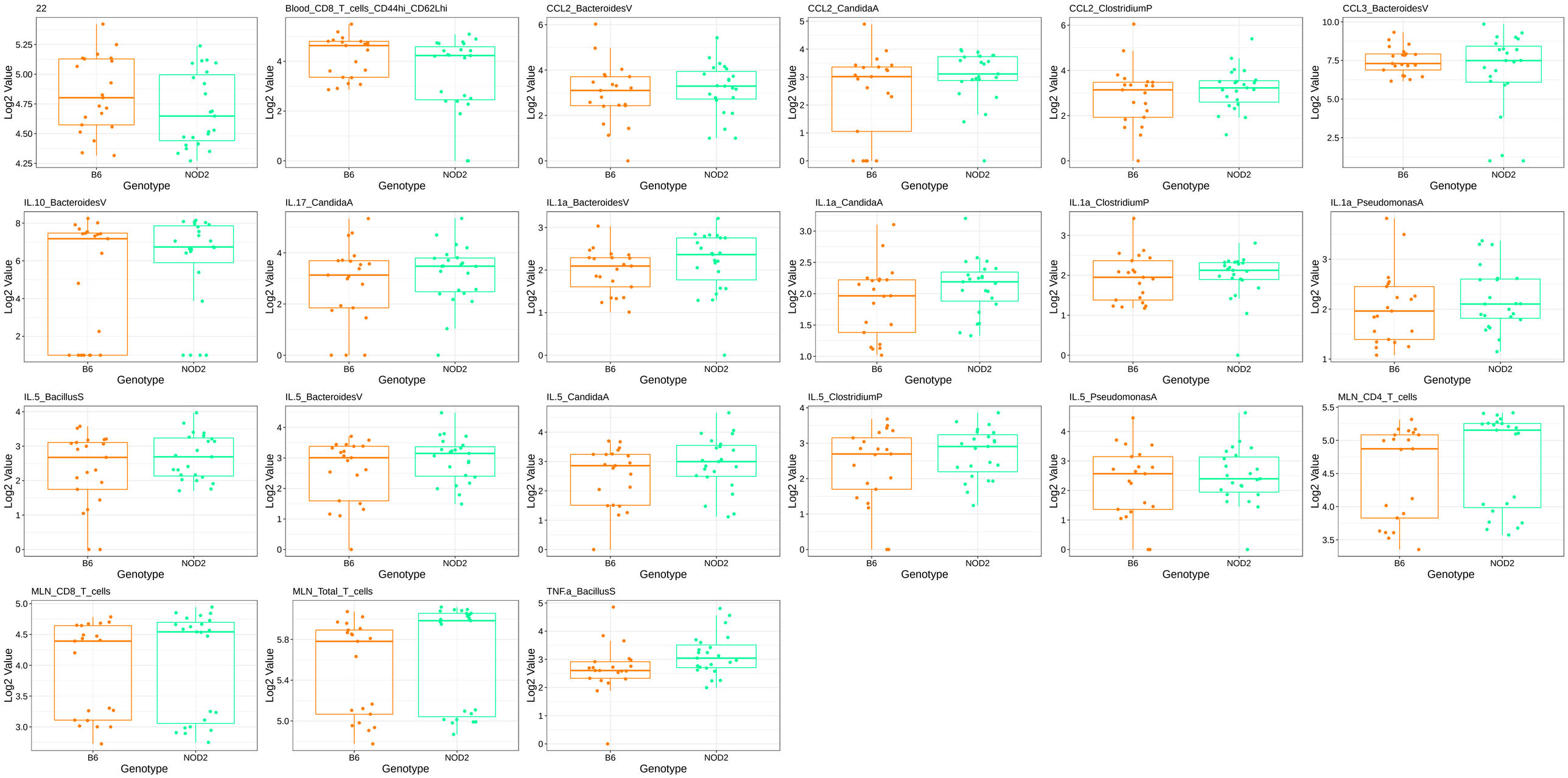

IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

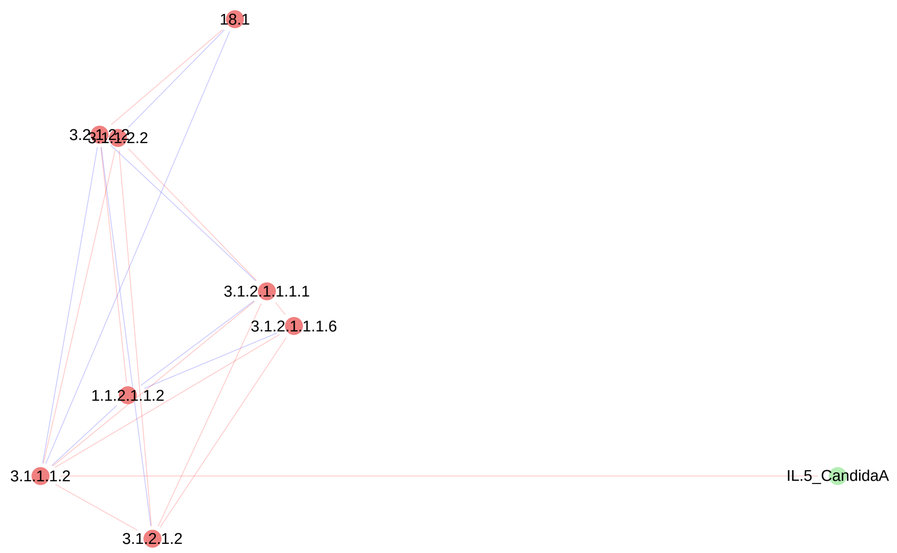

MLN_Ly6C_Monocyte
Log2 Value
5
4
3
2
1
0
B6
NOD2
Genotype

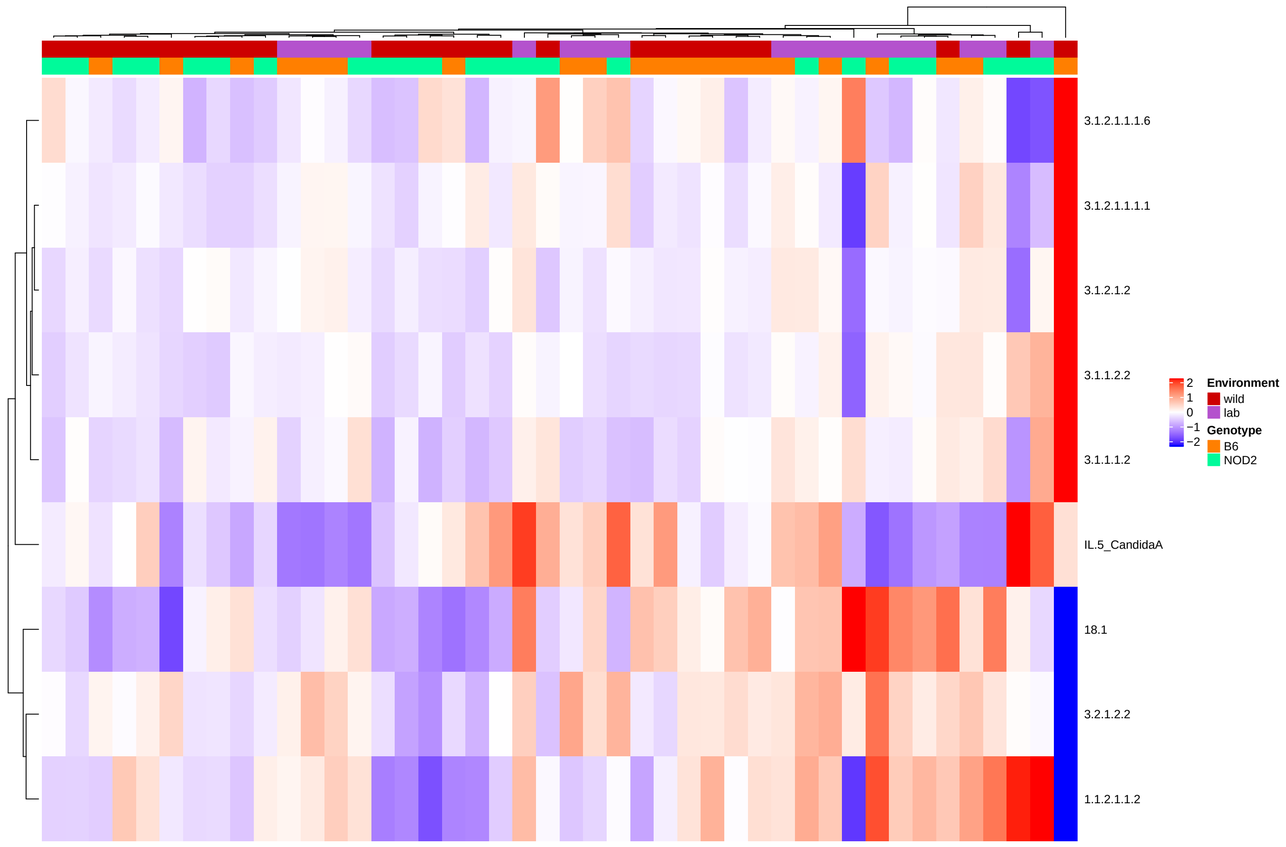

MLN_Total_immune_cells_CD45+
Log2 Value
6.5
6.0
5.5
5.0
B6
NOD2
Genotype

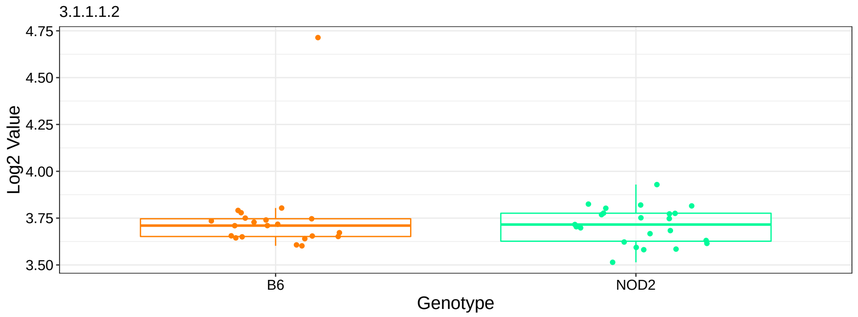

Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_CD4_T_cells
MLN_Total_T_cells
IL.1a_PseudomonasA
CCL3_BacteroidesV
CCL2_CandidaA
IL.5_BacteroidesV
IL.17_CandidaA
IL.1a_BacteroidesV
TNF.a_BacillusS
CCL2_ClostridiumP
IL.5_BacillusS
CCL2_BacteroidesV
22
IL.1a_ClostridiumP

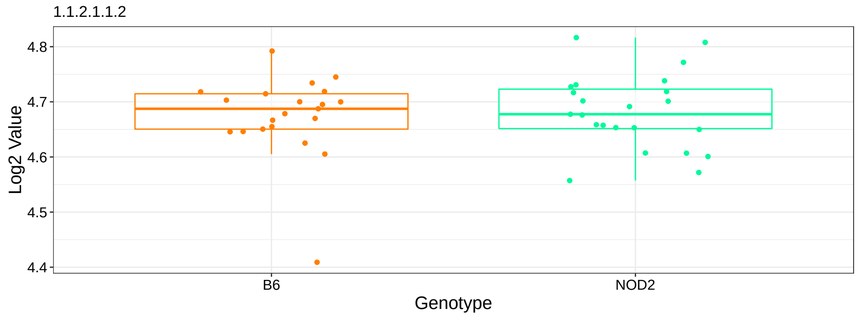

IL.5_BacillusS
IL.5_ClostridiumP
IL.10_BacteroidesV
IL.1a_BacteroidesV
IL.5_CandidaA
IL.1a_CandidaA
CCL2_CandidaA
IL.1a_ClostridiumP
CCL3_BacteroidesV
IL.1a_PseudomonasA
TNF.a_BacillusS
CCL2_BacteroidesV
CCL2_ClostridiumP
IL.5_PseudomonasA
IL.5_BacteroidesV
IL.17_CandidaA
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
22
Environment
wild
lab
Genotype
B6
NOD2

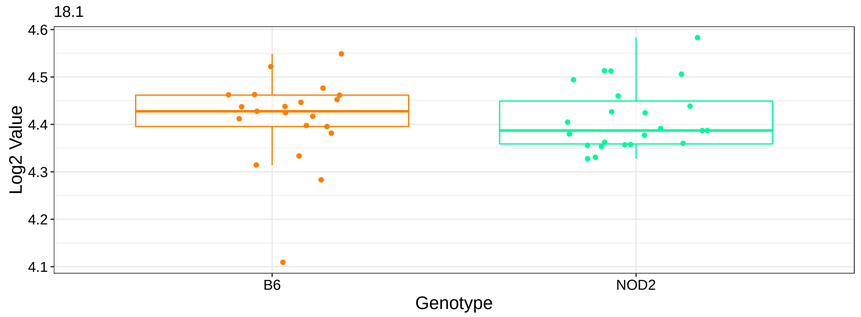

22
Blood_CD8_T_cells_CD44hi_CD62Lhi
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_ClostridiumP
CCL3_BacteroidesV
IL.10_BacteroidesV
IL.17_CandidaA
IL.1a_BacteroidesV
IL.1a_CandidaA
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_CandidaA
IL.5_ClostridiumP
IL.5_PseudomonasA
MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_T_cells
TNF.a_BacillusS
Log2 Value
B6
NOD2
Genotype

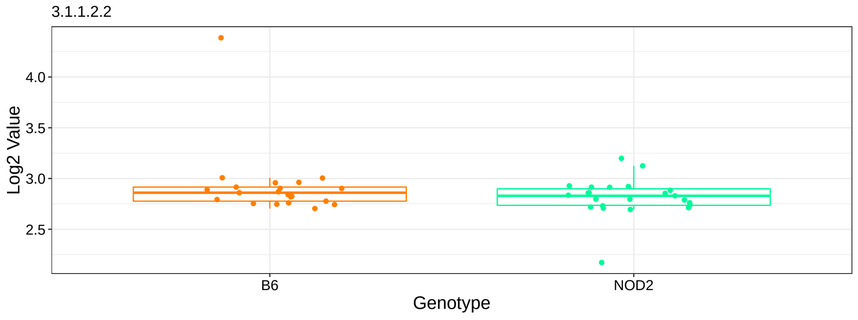

18.1
3.2.1.2.2
3.1.2.1.1.1
3.1.2.1.1.6
1.1.2.1.1.2
3.1.1.1.2
IL.5_CandidaA
3.1.2.1.2

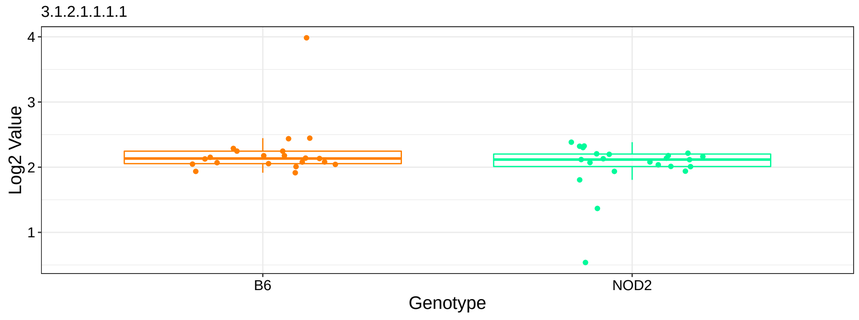

3.1.2.1.1.1.6
3.1.2.1.1.1.1
3.1.2.1.2
3.1.1.2.2
3.1.1.1.2
IL.5_CandidaA
18.1
3.2.1.2.2
1.1.2.1.1.2
Environment
wild
lab
Genotype
B6
NOD2

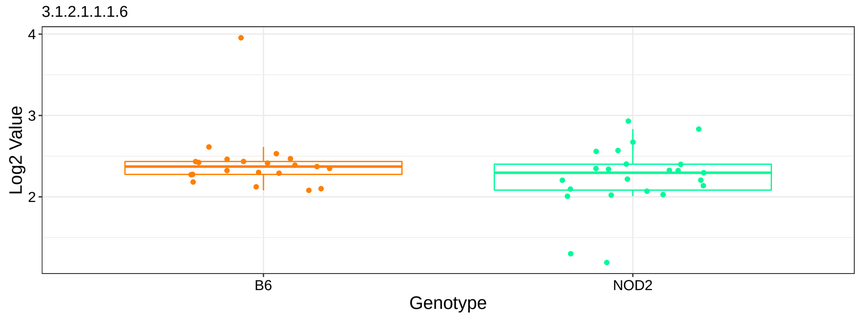

3.1.1.1.2
Log2 Value
B6
NOD2
Genotype

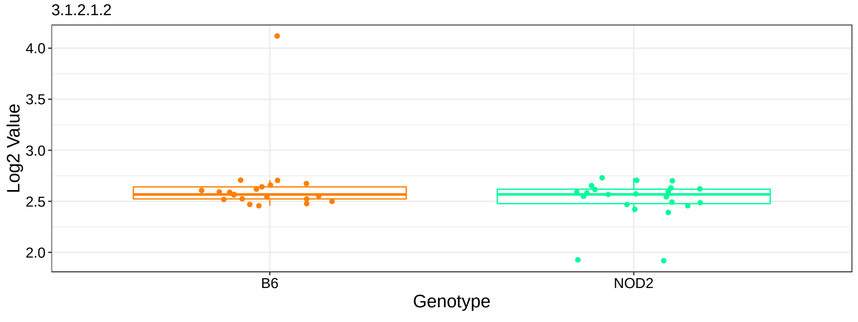

1.1.2.1.1.2
Log2 Value
B6
NOD2
Genotype

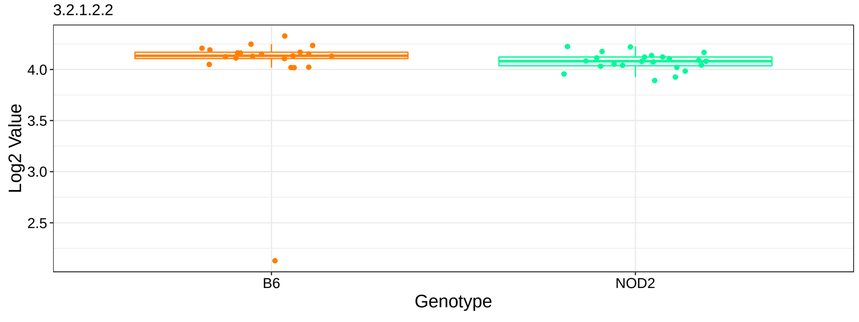

18.1
Log2 Value
B6
NOD2
Genotype

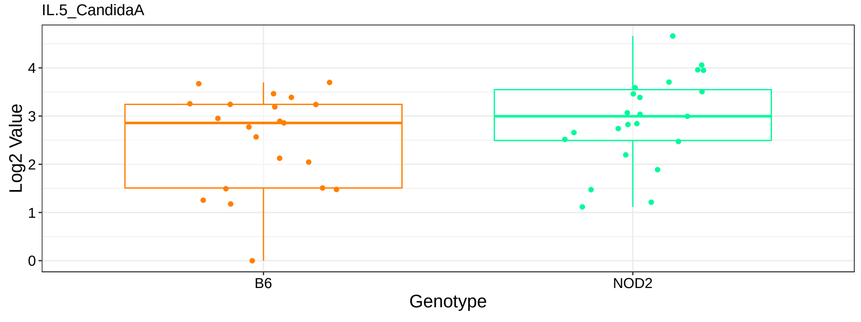

3.1.1.2.2
Log2 Value
B6
NOD2
Genotype

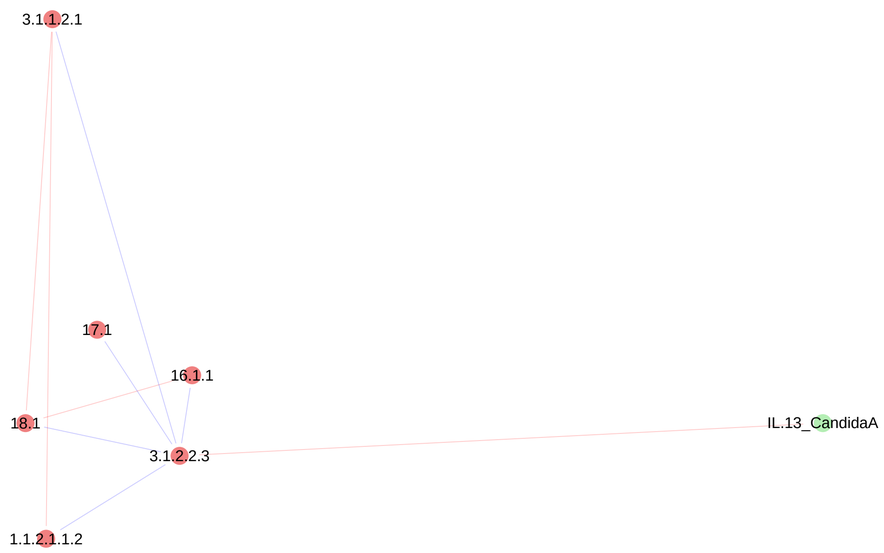

3.1.2.1.1.1.1
Log2 Value
B6
NOD2
Genotype

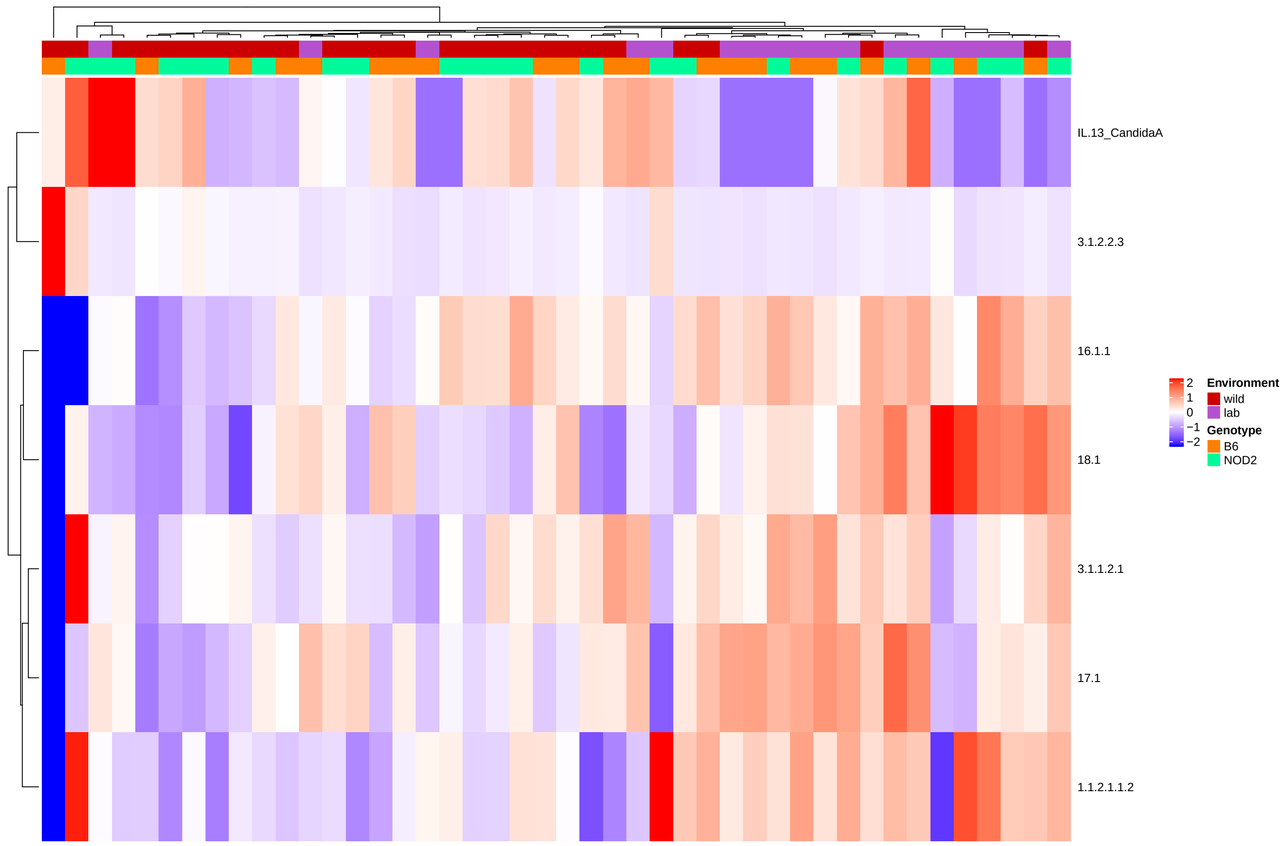

3.1.2.1.1.1.6
Log2 Value
B6
NOD2
Genotype

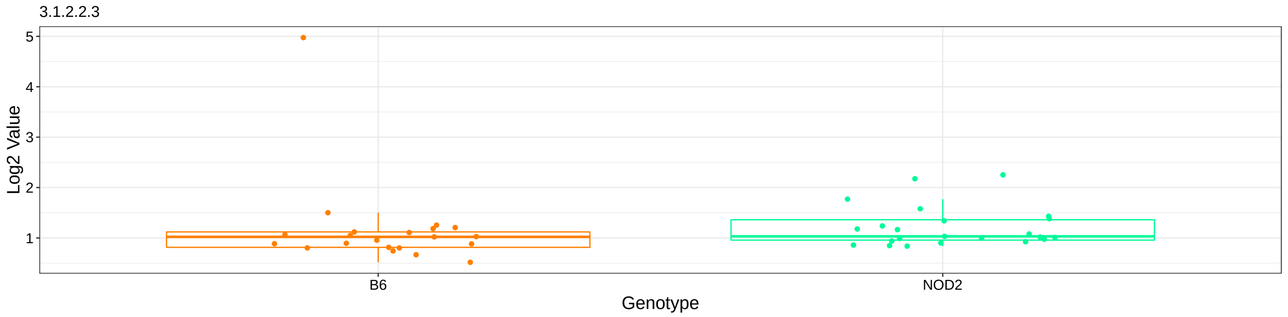

3.1.2.1.2
Log2 Value
B6
NOD2
Genotype

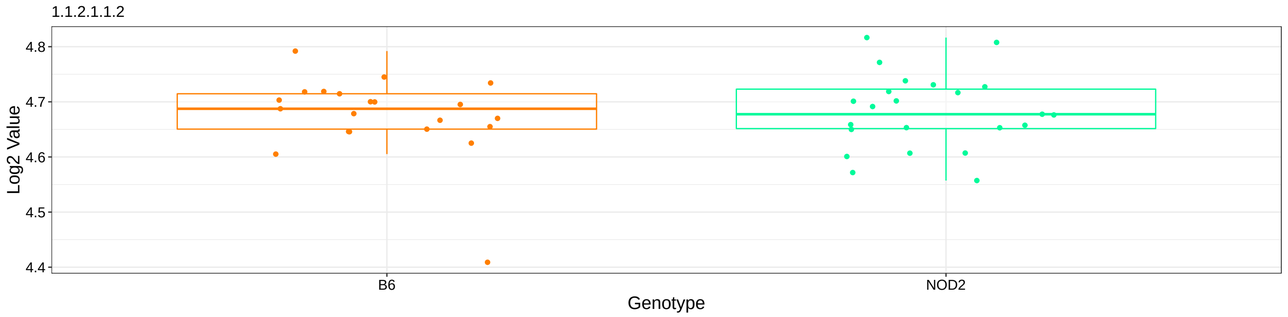

3.2.1.2.2
Log2 Value
B6
NOD2
Genotype

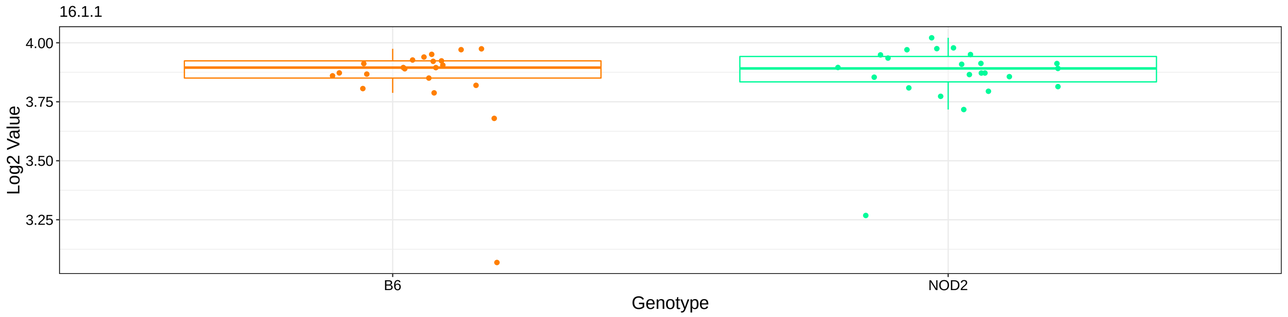

IL.5_CandidaA
Log2 Value
B6
NOD2
Genotype

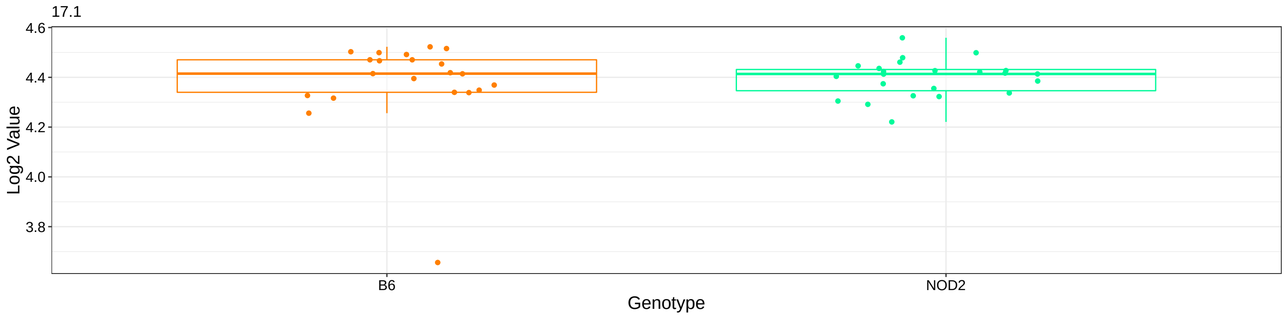

3.1.1.2.1
17.1
16.1.1
18.1
3.1.2.2.3
1.1.2.1.1.2
IL.13_CandidaA

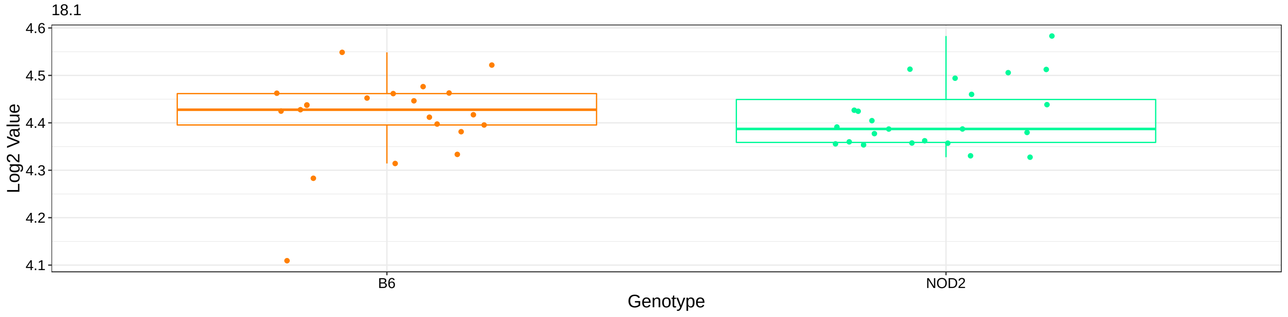

IL.13_CandidaA
3.1.2.2.3
16.1.1
18.1
3.1.1.2.1
17.1
1.1.2.1.1.2
Environment
wild
lab
Genotype
B6
NOD2

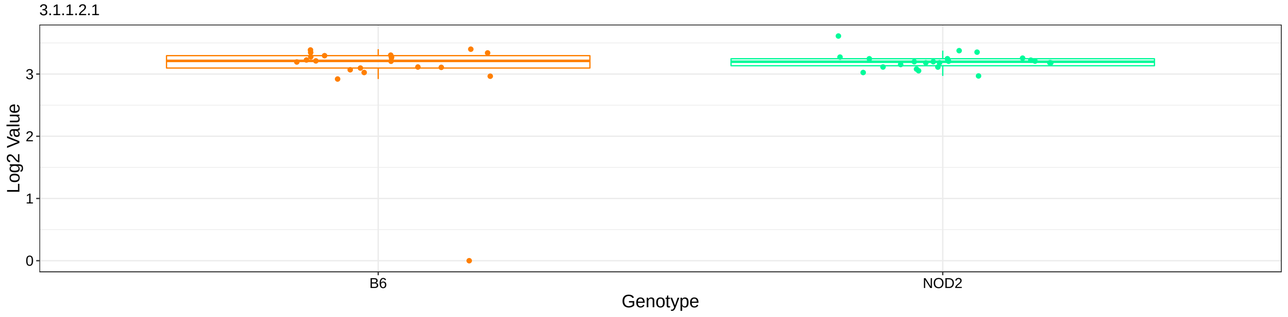

3.1.2.2.3
Log2 Value
B6
NOD2
Genotype

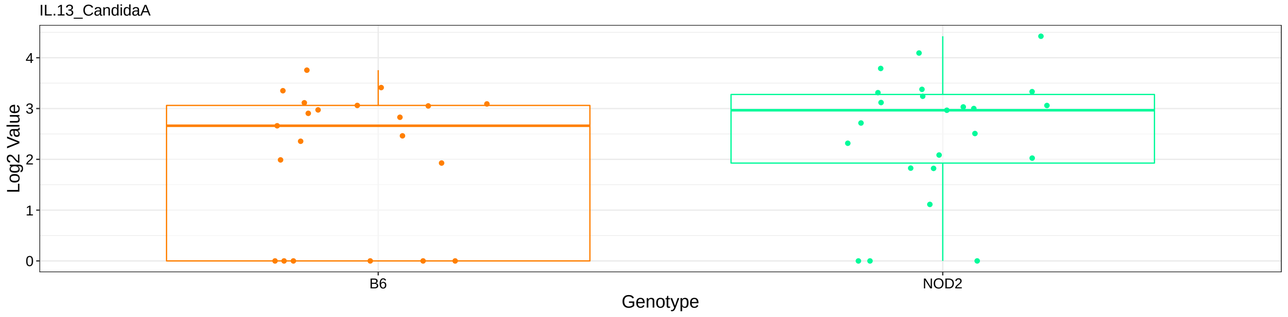

1.1.2.1.1.2
Log2 Value
B6
NOD2
Genotype

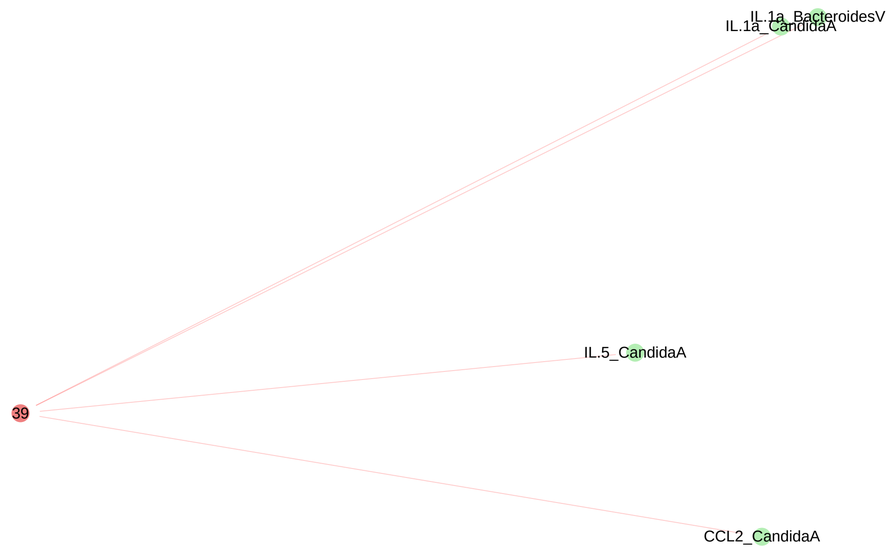

16.1.1
Log2 Value
B6
NOD2
Genotype

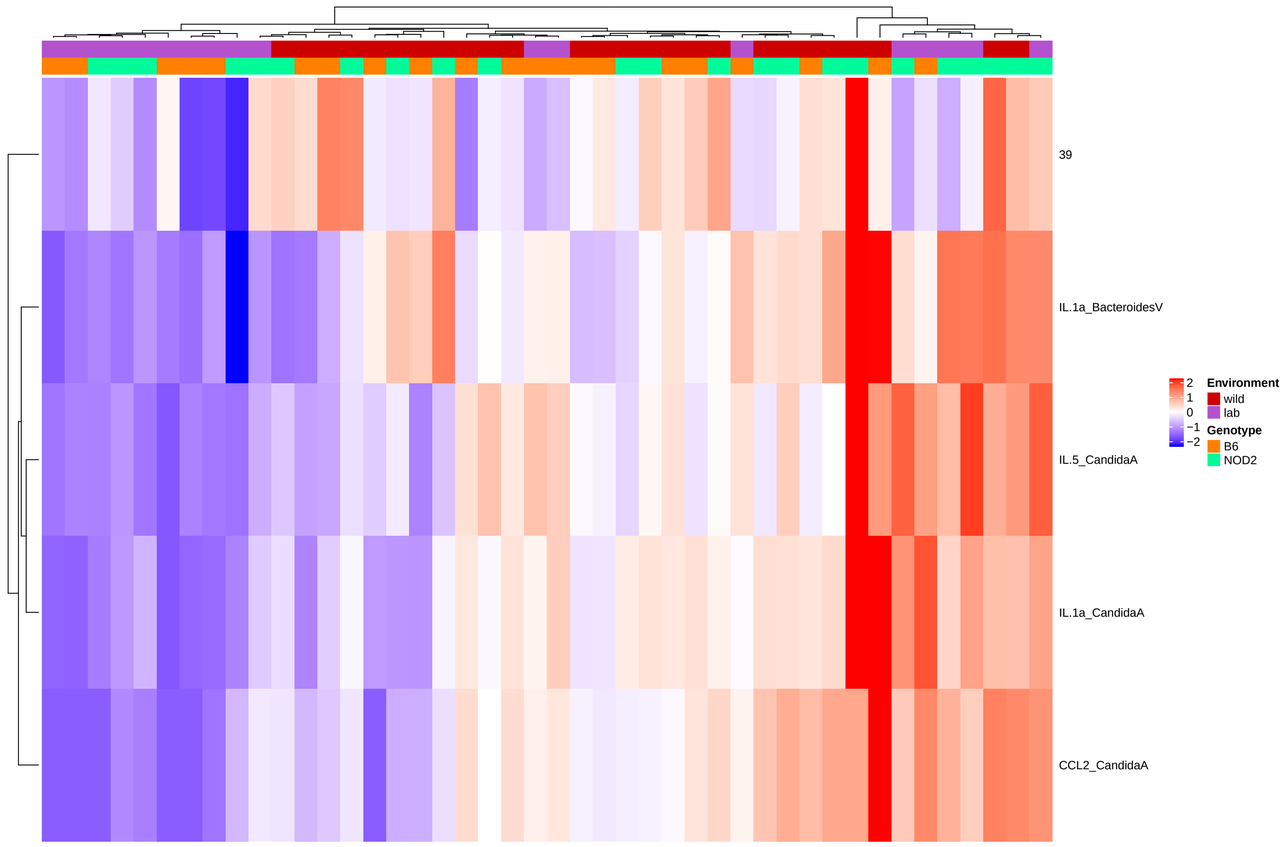

17.1
Log2 Value
B6
NOD2
Genotype

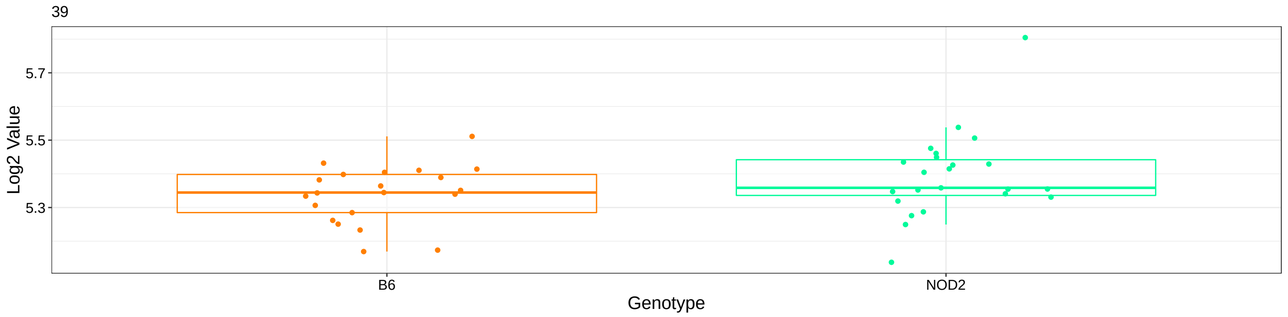

18.1
Log2 Value
B6
NOD2
Genotype

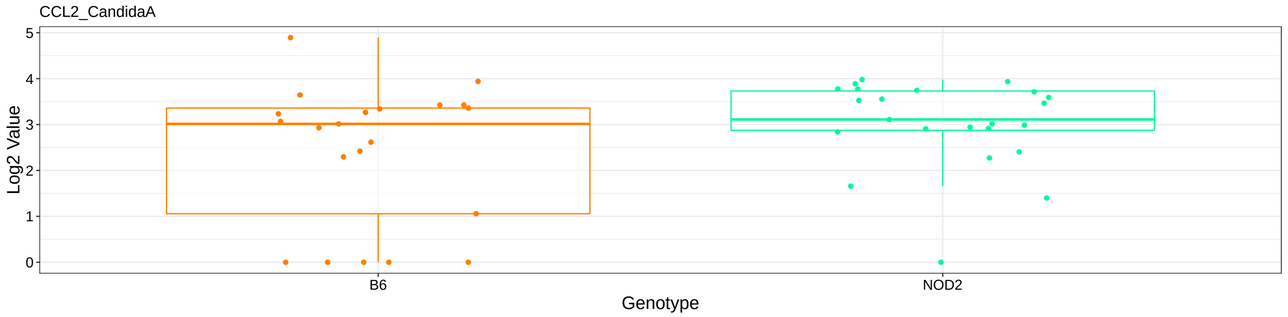

3.1.1.2.1
Log2 Value
B6
NOD2
Genotype

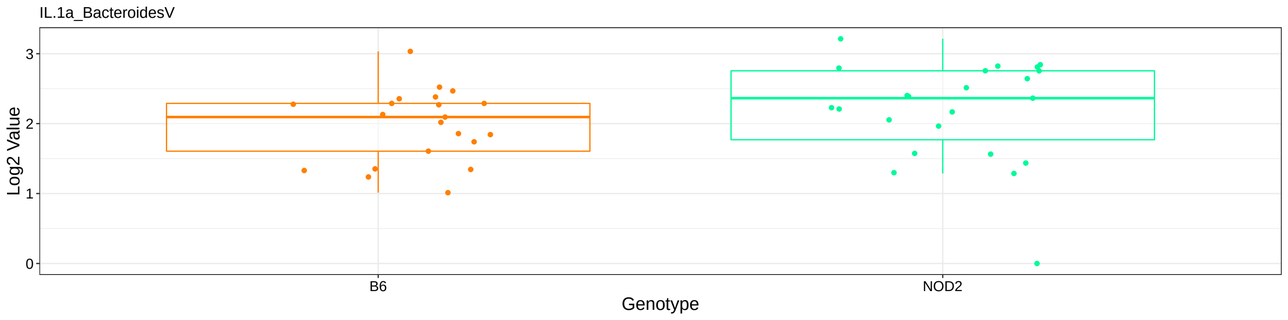

IL.13_CandidaA
Log2 Value
B6
NOD2
Genotype

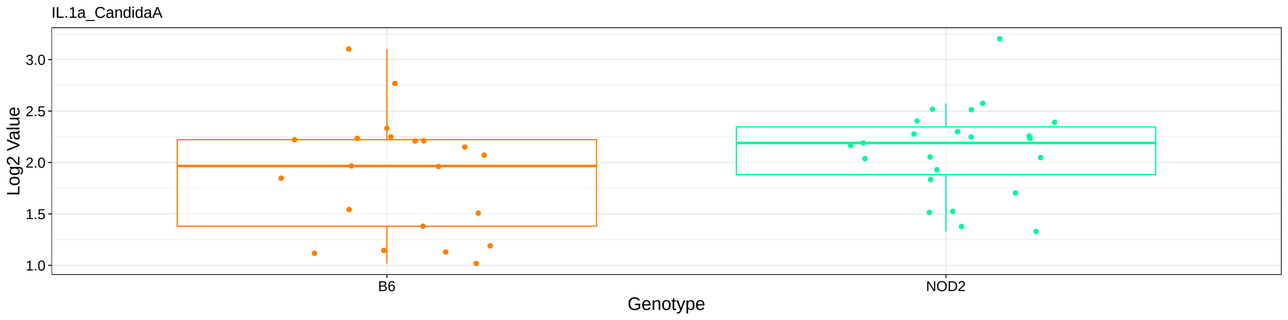

IL.1a_BacteroidesV
IL.1a_CandidaA
IL.5_CandidaA
39
CCL2_CandidaA

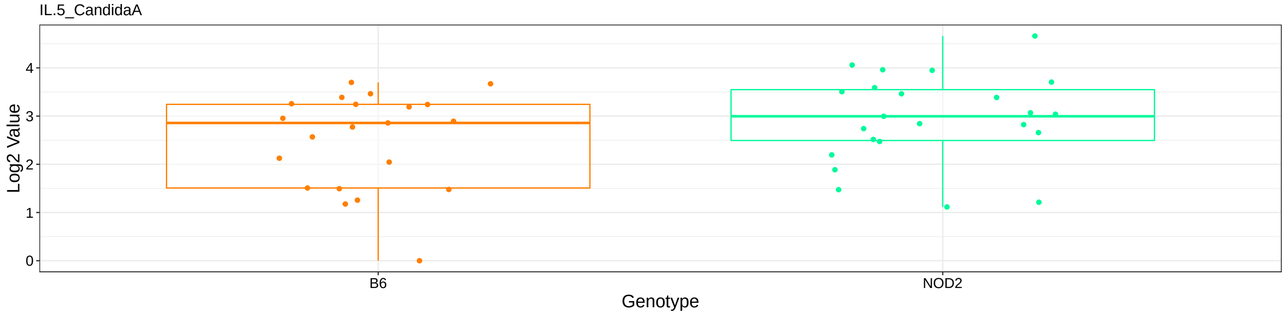

39
IL.1a_BacteroidesV
IL.5_CandidaA
IL.1a_CandidaA
CCL2_CandidaA
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

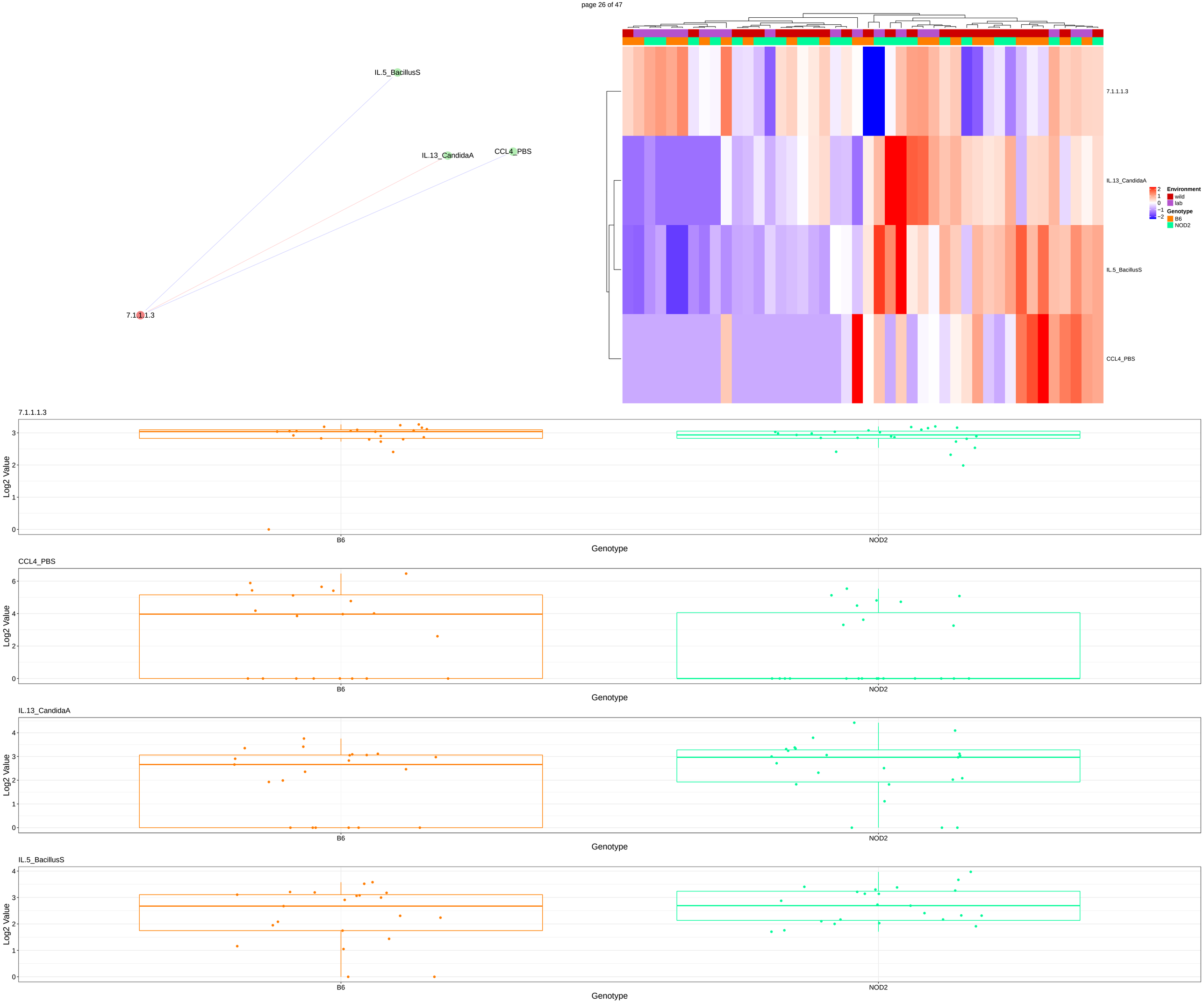

39
Log2 Value
5.7
5.5
5.3
B6
NOD2
Genotype

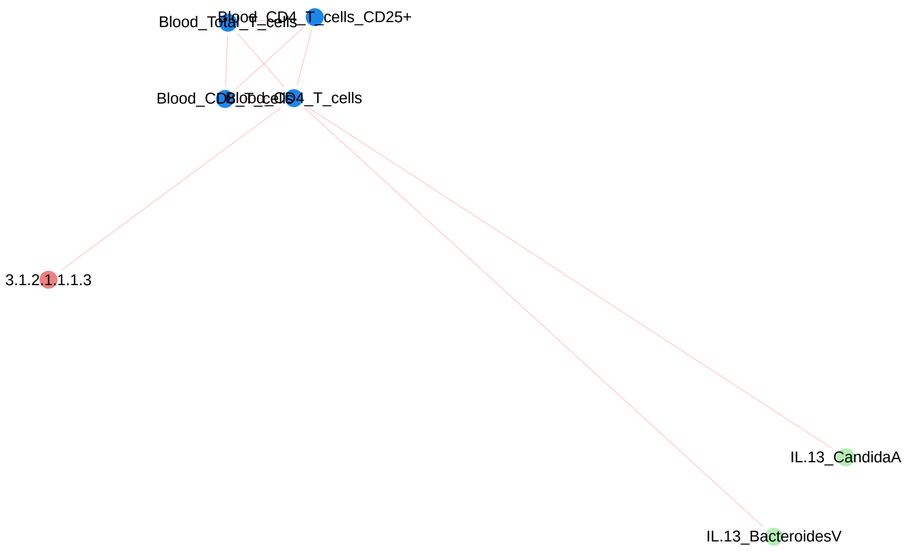

CCL2_CandidaA
Log2 Value
5
4
3
2
1
0
B6
NOD2
Genotype

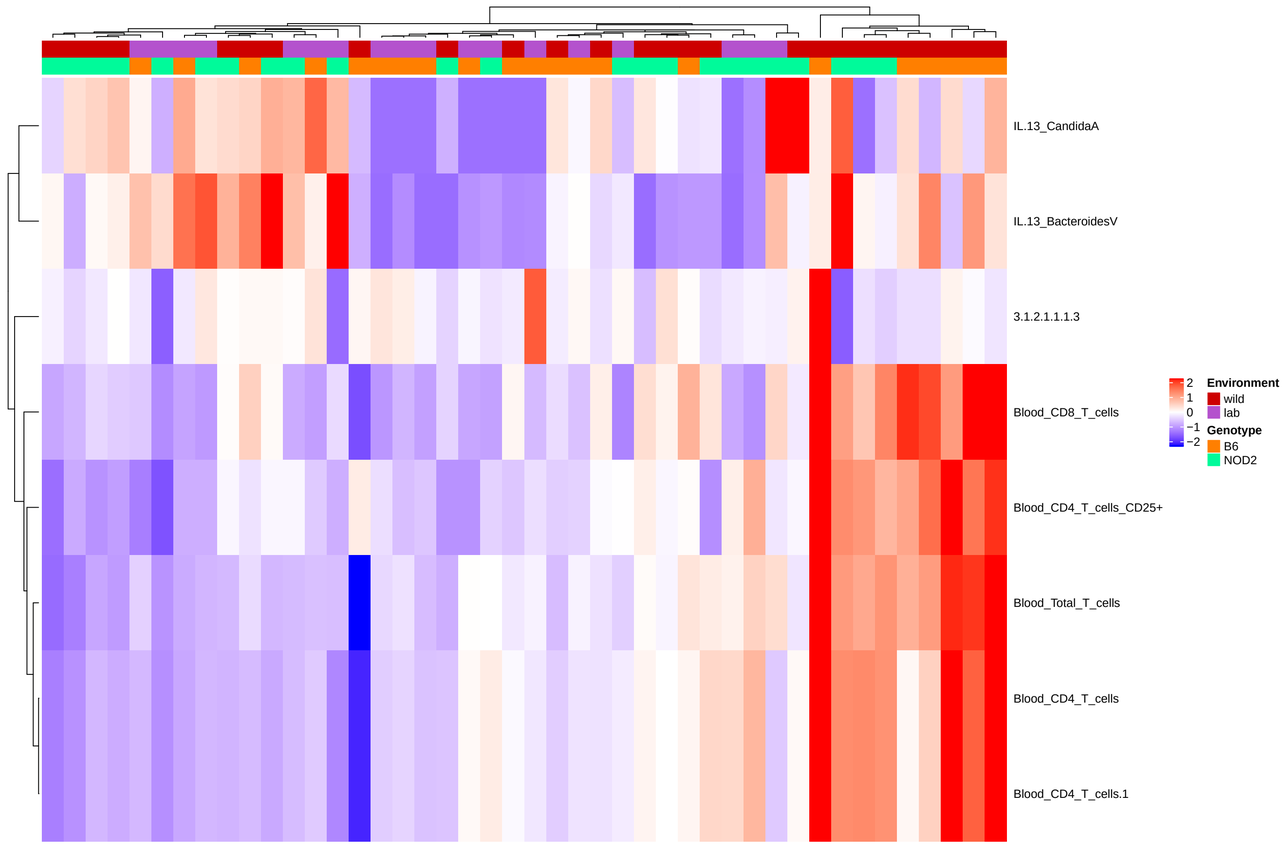

IL.1a_BacteroidesV
Log2 Value
3
2
1
0
B6
NOD2
Genotype

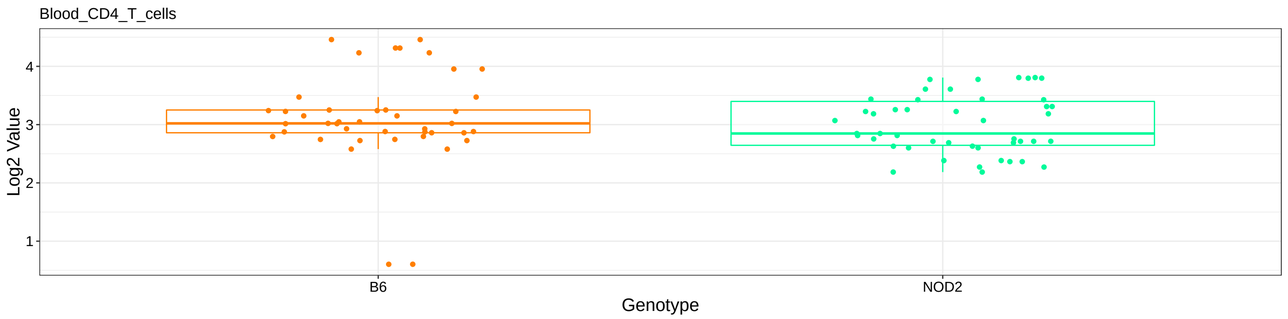

IL.1a_CandidaA
Log2 Value
3.0
2.5
2.0
1.5
1.0
B6
NOD2
Genotype

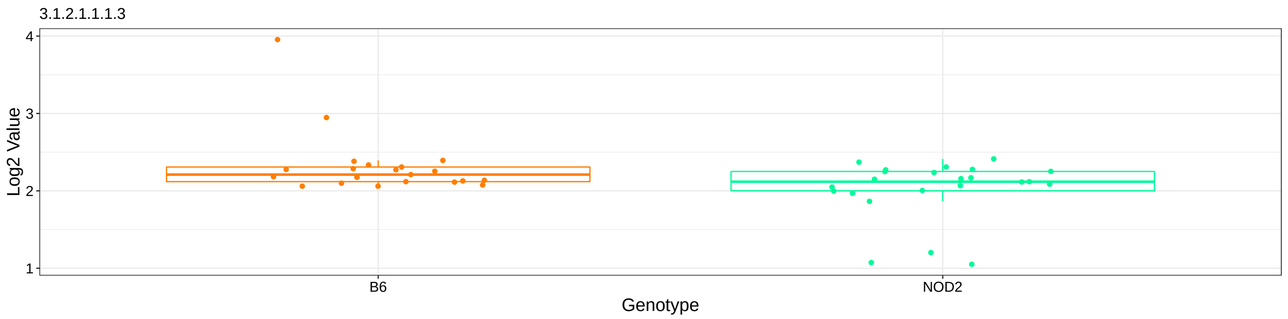

IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype

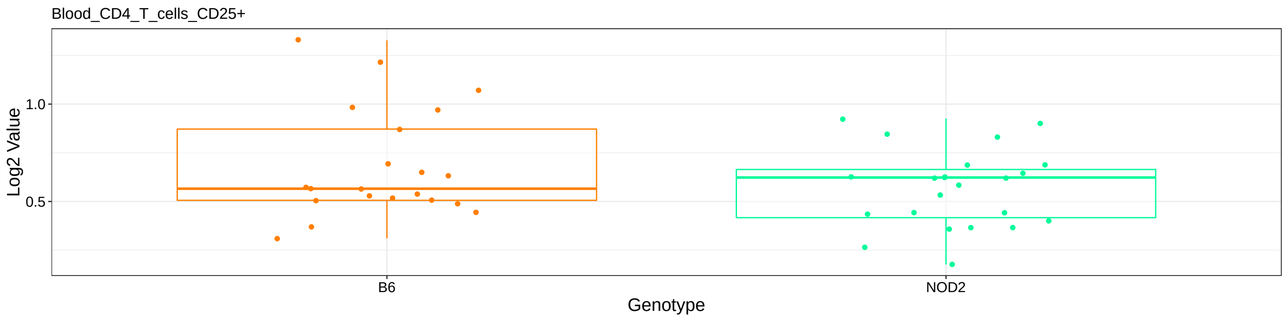

IL.5_BacillusS
IL.13_CandidaA
CCL4_PBS
7.1.1.1.3
7.1.1.1.3
IL.13_CandidaA
IL.5_BacillusS
CCL4_PBS
Environment
wild
lab
Genotype
B6
NOD2
Log2 Value
Genotype
B6
NOD2

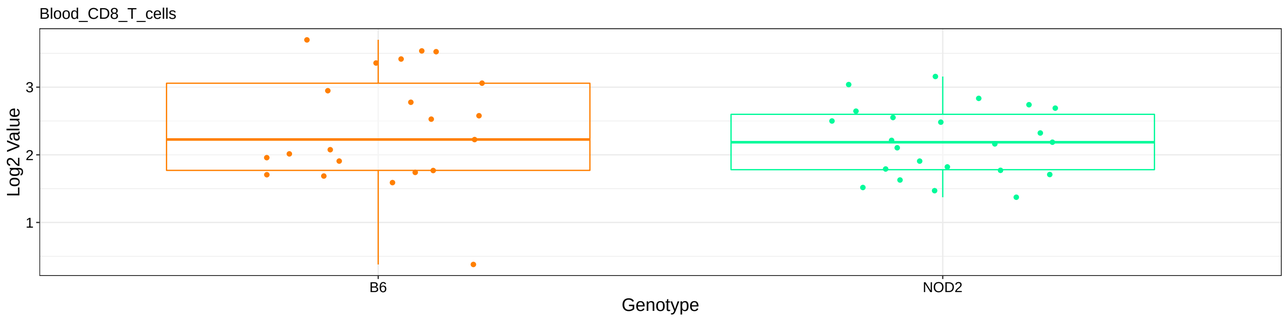

Blood_Total_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD8_T_cells
Blood_CD4_T_cells
3.1.2.1.1.1.3
IL.13_CandidaA
IL.13_BacteroidesV

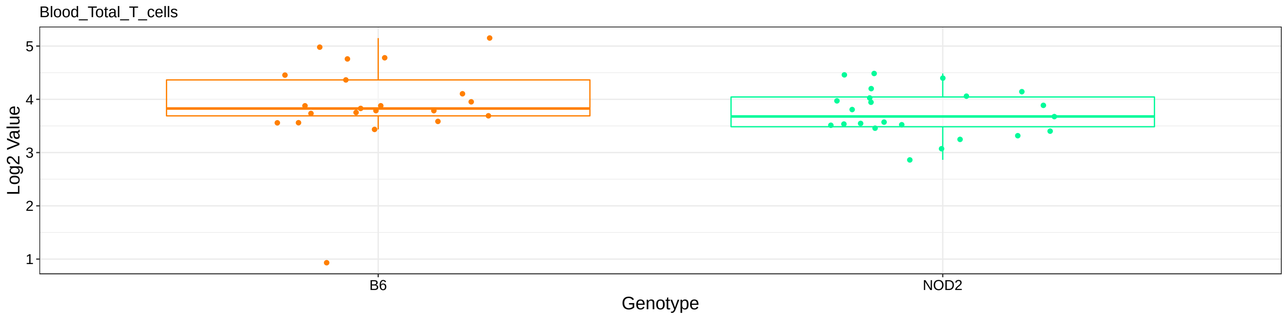

IL.13_CandidaA
IL.13_BacteroidesV
3.1.2.1.1.1.3
Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
Blood_Total_T_cells
Blood_CD4_T_cells
Blood_CD4_T_cells.1
Environment
wild
lab
Genotype
B6
NOD2

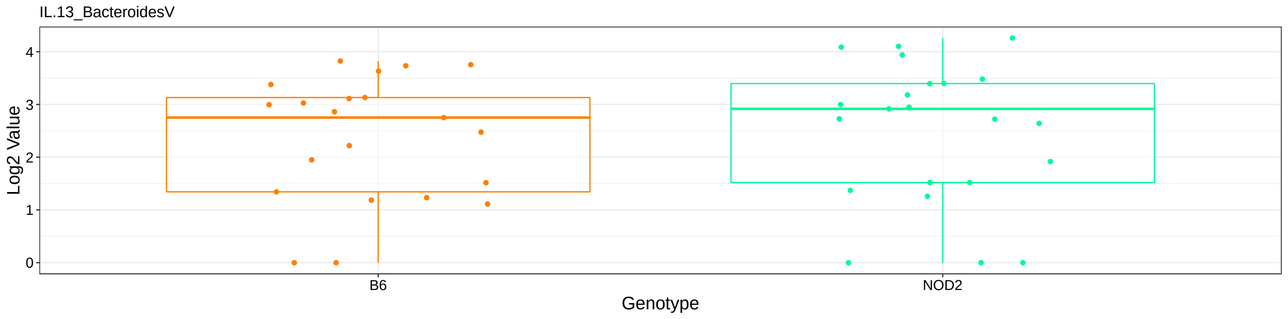

Blood_CD4_T_cells
Log2 Value
B6
NOD2
Genotype

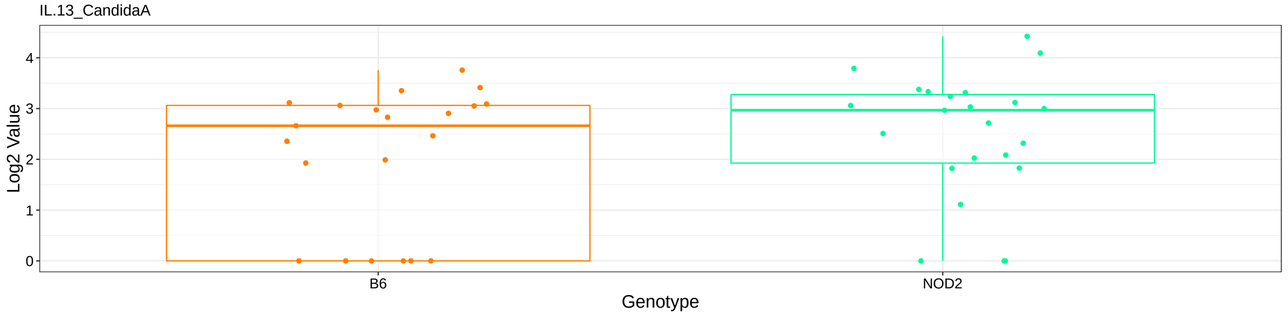

3.1.2.1.1.1.3
Log2 Value
B6
NOD2
Genotype

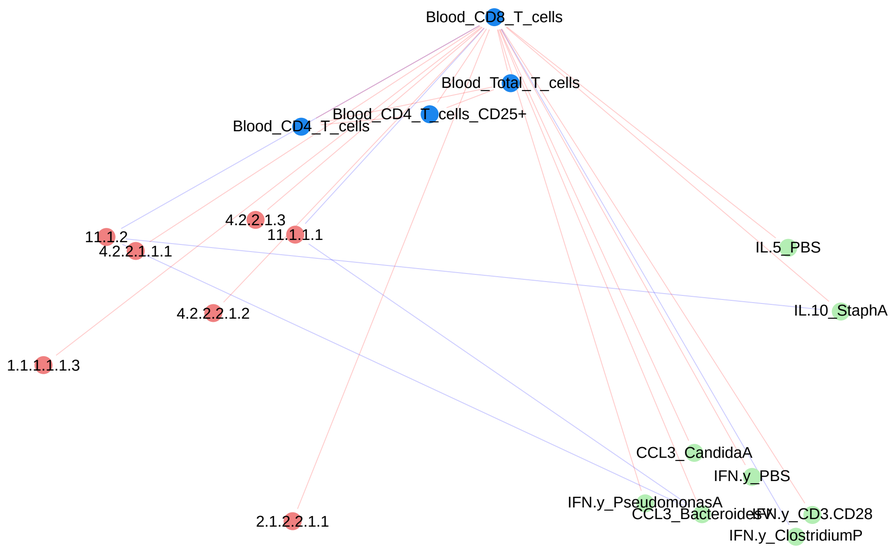

Blood_CD4_T_cells_CD25+
Log2 Value
B6
NOD2
Genotype

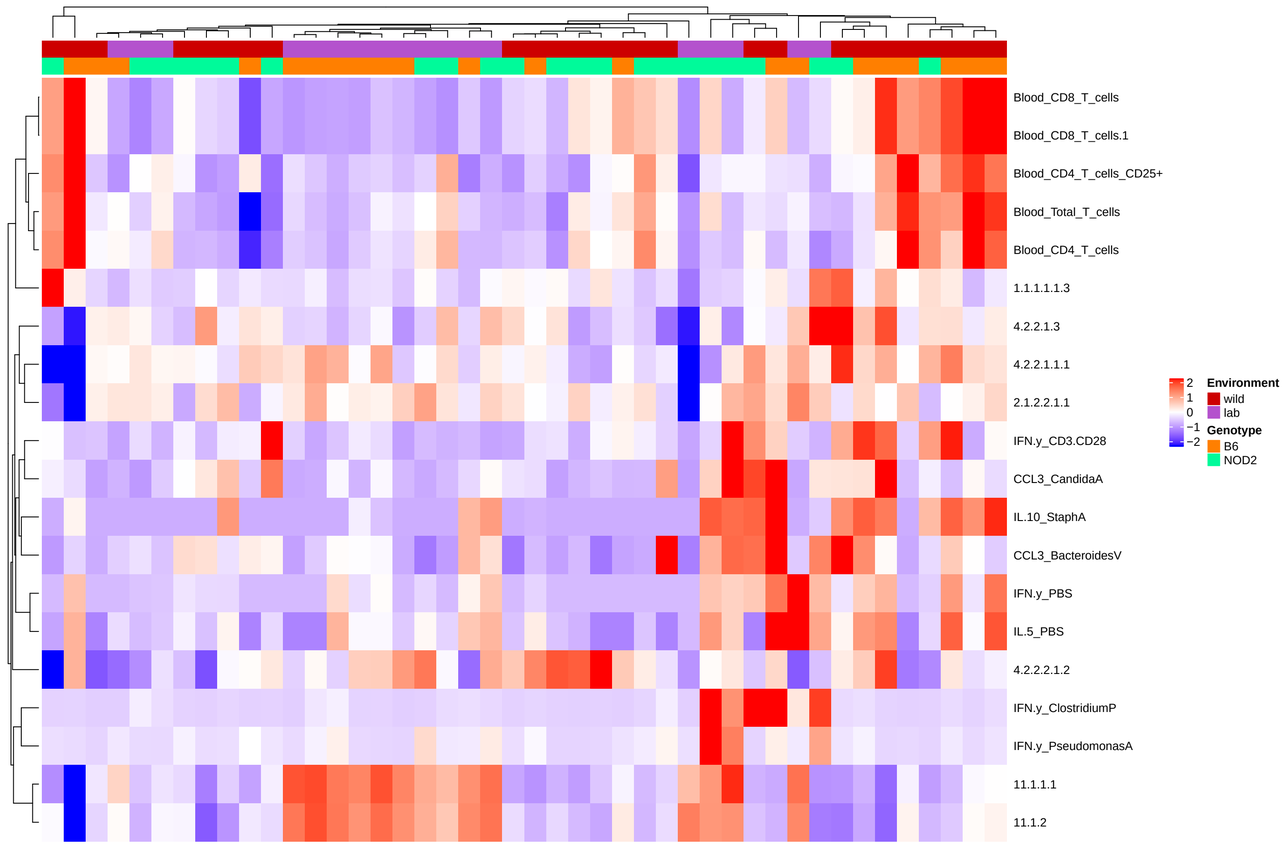

Blood_CD8_T_cells
Log2 Value
B6
NOD2
Genotype

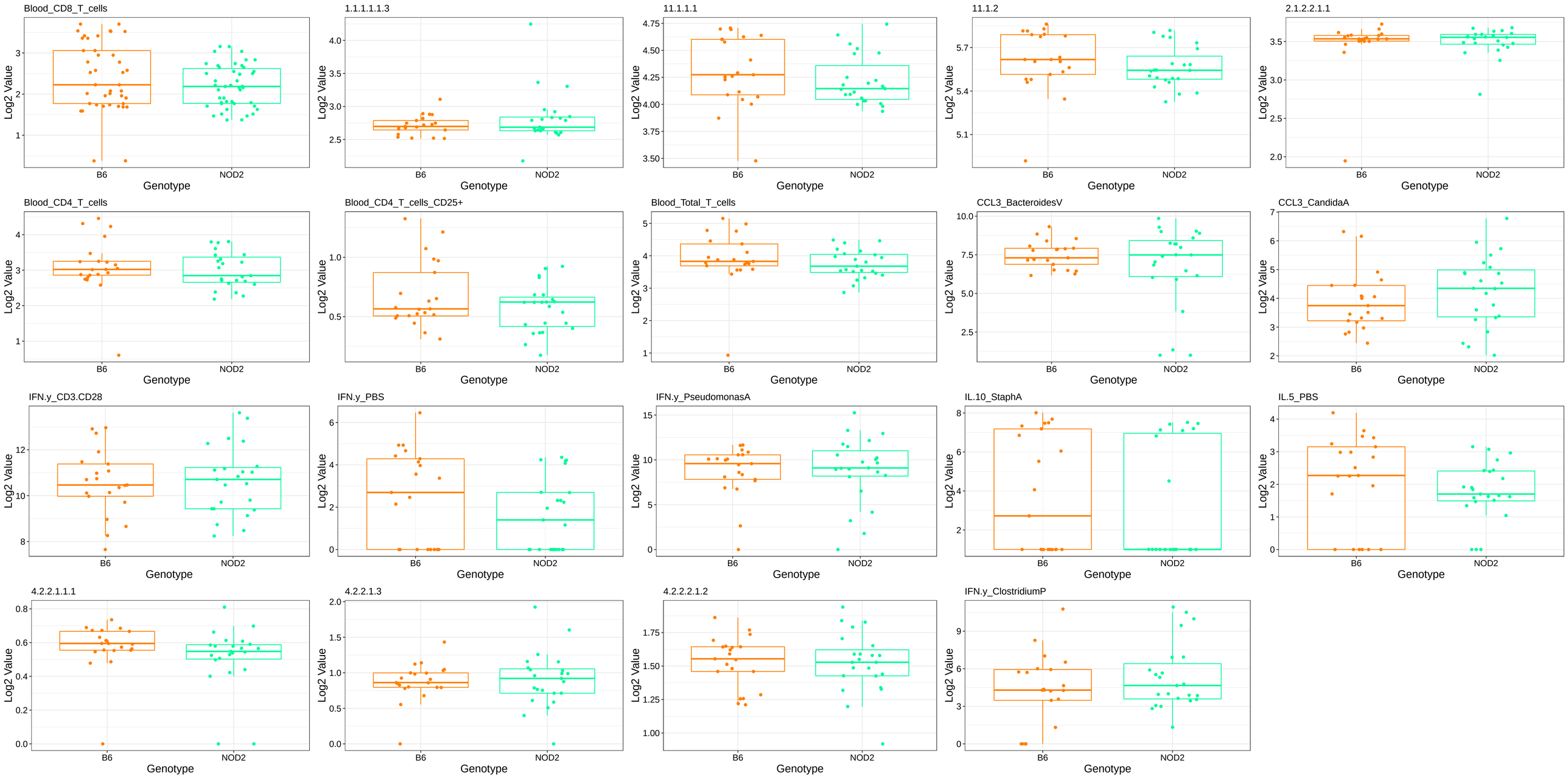

Blood_Total_T_cells
Log2 Value
B6
NOD2
Genotype

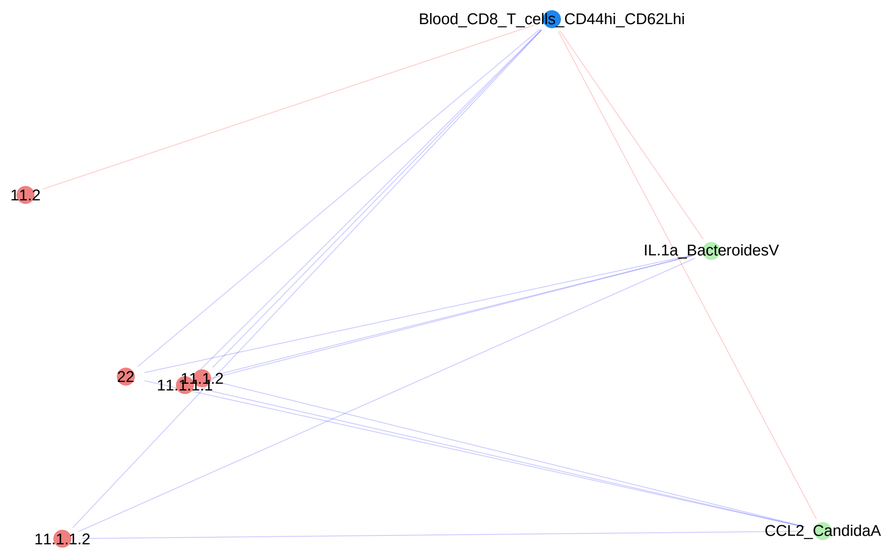

IL.13_BacteroidesV
Log2 Value
B6
NOD2
Genotype

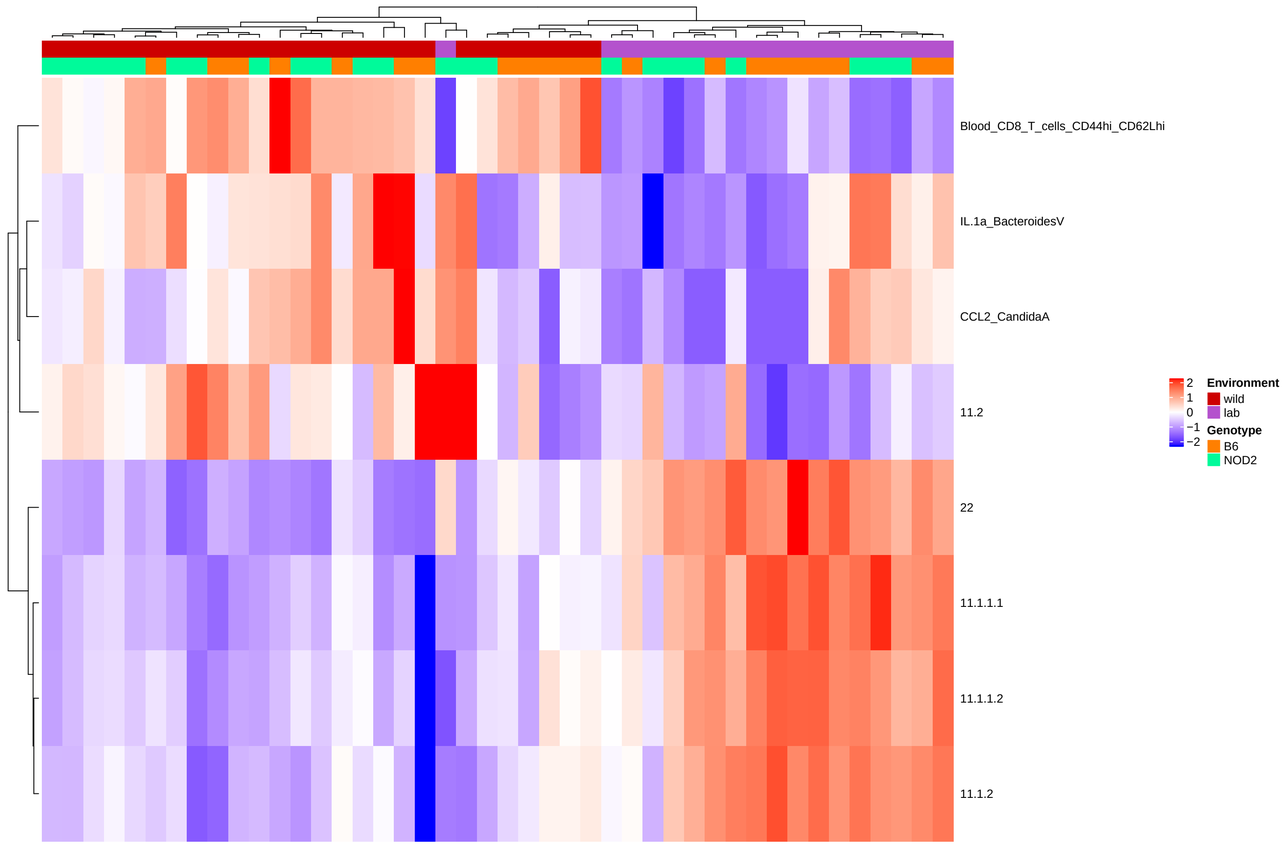

IL.13_CandidaA
Log2 Value
B6
NOD2
Genotype

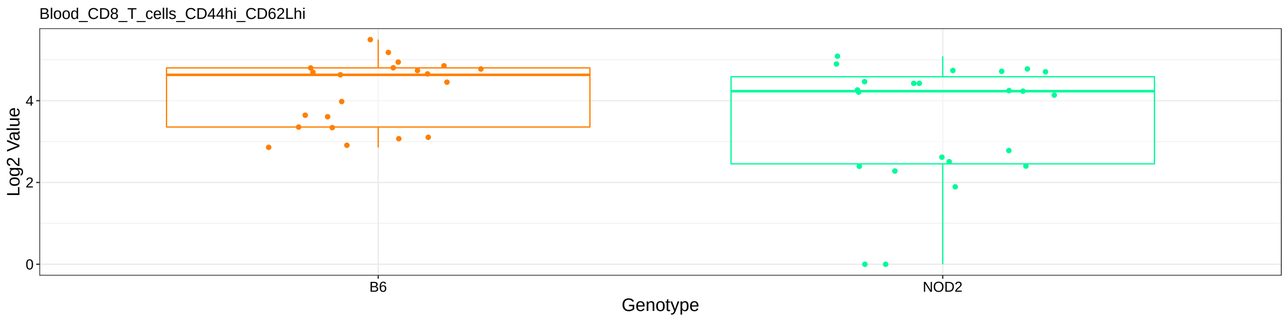

Blood_CD8_T_cells
Blood_Total_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD4_T_cells
4.2.2.1.3
11.1.1.1
11.1.2
4.2.2.1.1.1
IL.5_PBS
IL.10_StaphA
4.2.2.2.1.2
1.1.1.1.1.3
CCL3_CandidaA
IFN.y_PBS
IFN.y_PseudomonasA
CCL3_BacteroidesV
IFN.y_CD3.CD28
IFN.y_ClostridiumP
2.1.2.2.1.1

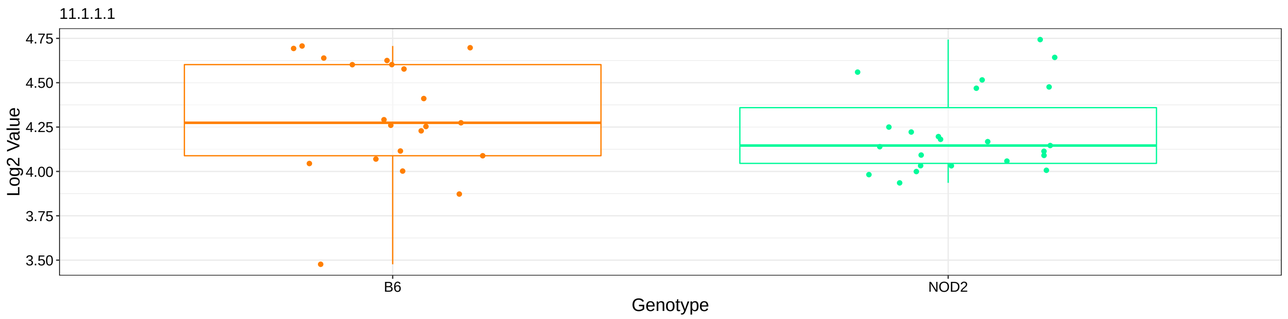

Blood_CD8_T_cells
Blood_CD8_T_cells.1
Blood_CD4_T_cells_CD25+
Blood_Total_T_cells
Blood_CD4_T_cells
1.1.1.1.1.3
4.2.2.1.3
4.2.2.1.1.1
2.1.2.2.1.1
IFN.y_CD3.CD28
CCL3_CandidaA
IL.10_StaphA
CCL3_BacteroidesV
IFN.y_PBS
IL.5_PBS
4.2.2.2.1.2
IFN.y_ClostridiumP
IFN.y_PseudomonasA
11.1.1.1
11.1.2
Environment
wild
lab
Genotype
B6
NOD2

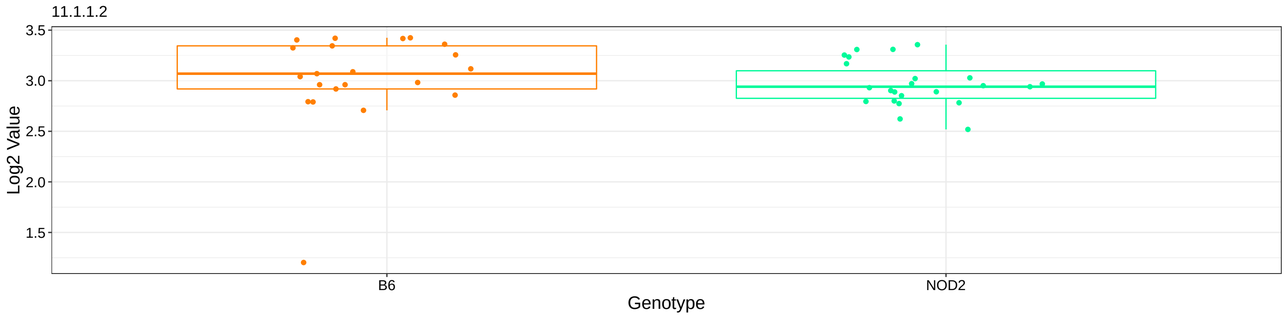

Blood_CD8_T_cells
1.1.1.1.1.3
11.1.1.1
11.1.2
2.1.2.2.1.1
Blood_CD4_T_cells
Blood_CD4_T_cells_CD25+
Blood_Total_T_cells
CCL3_BacteroidesV
CCL3_CandidaA
IFN.y_CD3.CD28
IFN.y_PBS
IFN.y_PseudomonasA
IL.10_StaphA
IL.5_PBS
4.2.2.1.1.1
4.2.2.1.3
4.2.2.2.1.2
IFN.y_ClostridiumP
Log2 Value
Genotype
B6
NOD2

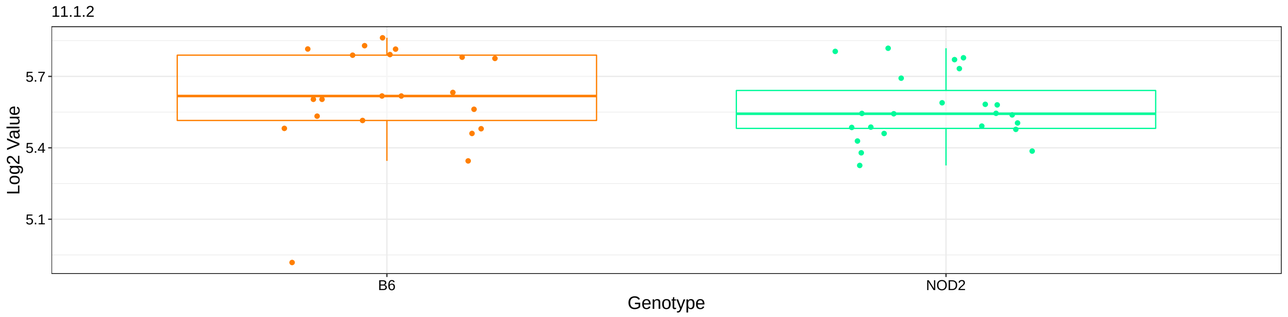

Blood_CD8_T_cells_CD44hi_CD62Lhi
11.2
IL.1a_BacteroidesV
22
11.1.1.2
11.1.1.1
11.1.1.2
CCL2_CandidaA

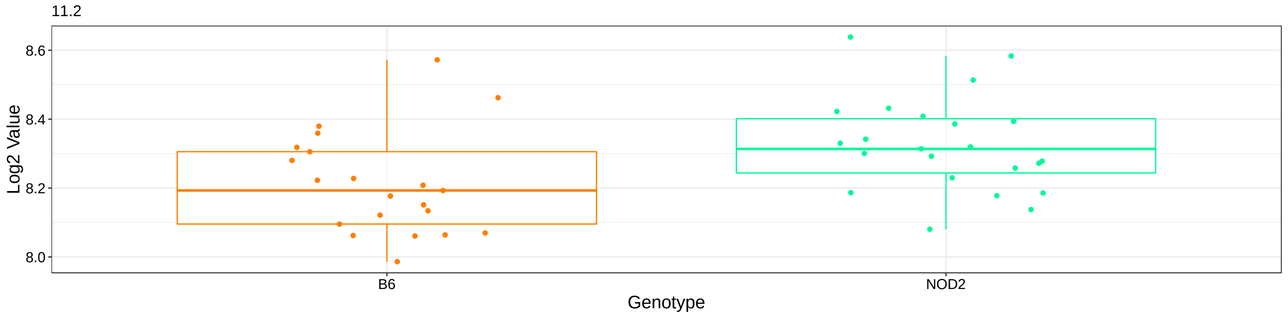

Blood_CD8_T_cells_CD44hi_CD62Lhi
IL.1a_BacteroidesV
CCL2_CandidaA
11.2
22
11.1.1.1
11.1.1.2
11.1.2
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

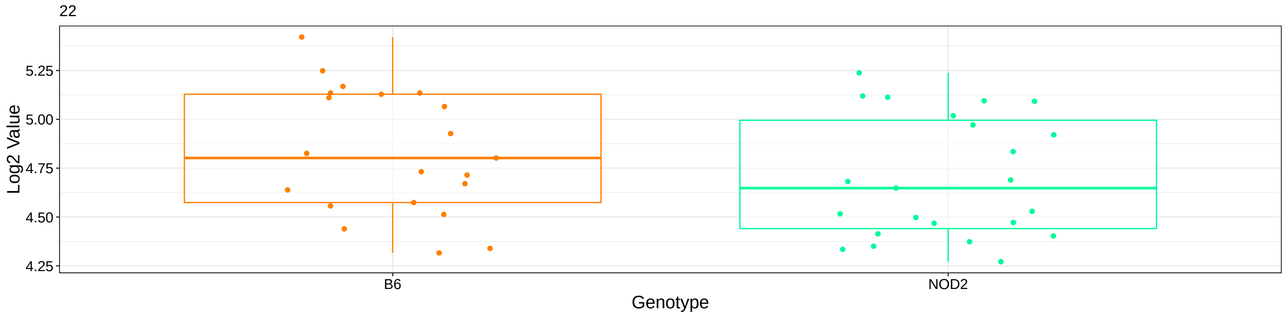

Blood_CD8_T_cells_CD44hi_CD62Lhi
Log2 Value
4
2
0
B6
NOD2
Genotype

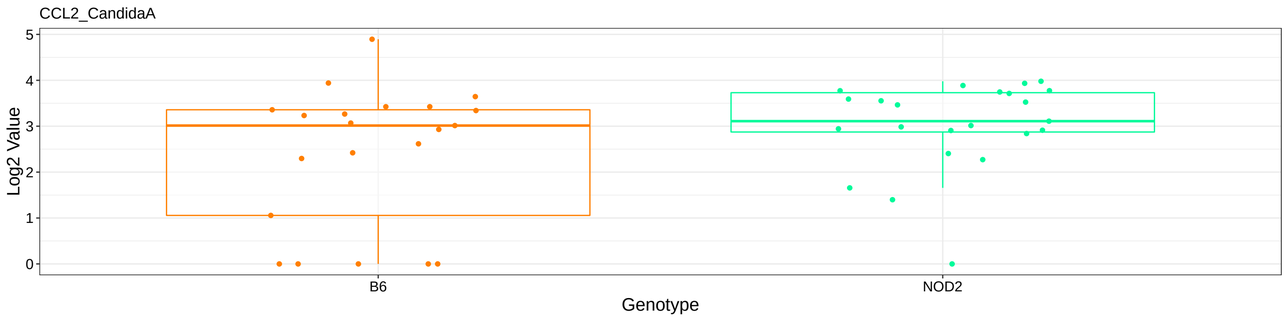

11.1.1.1
Log2 Value
4.75
4.50
4.25
4.00
3.75
3.50
B6
NOD2
Genotype

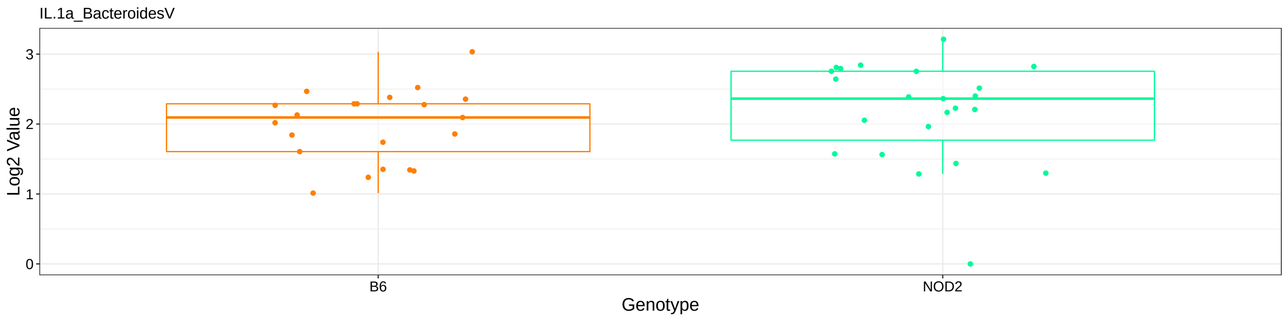

11.1.1.2
Log2 Value
3.5
3.0
2.5
2.0
1.5
B6
NOD2
Genotype

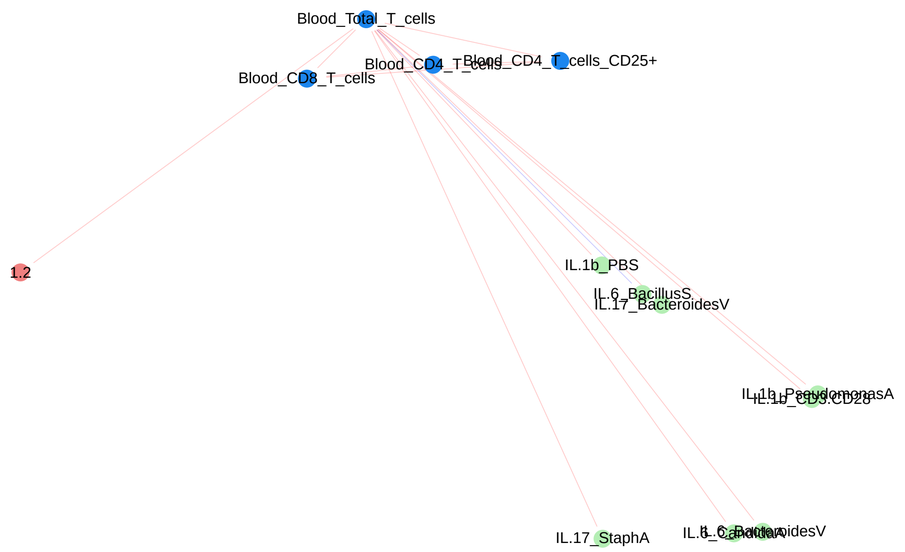

11.1.2
Log2 Value
5.7
5.4
5.1
B6
NOD2
Genotype

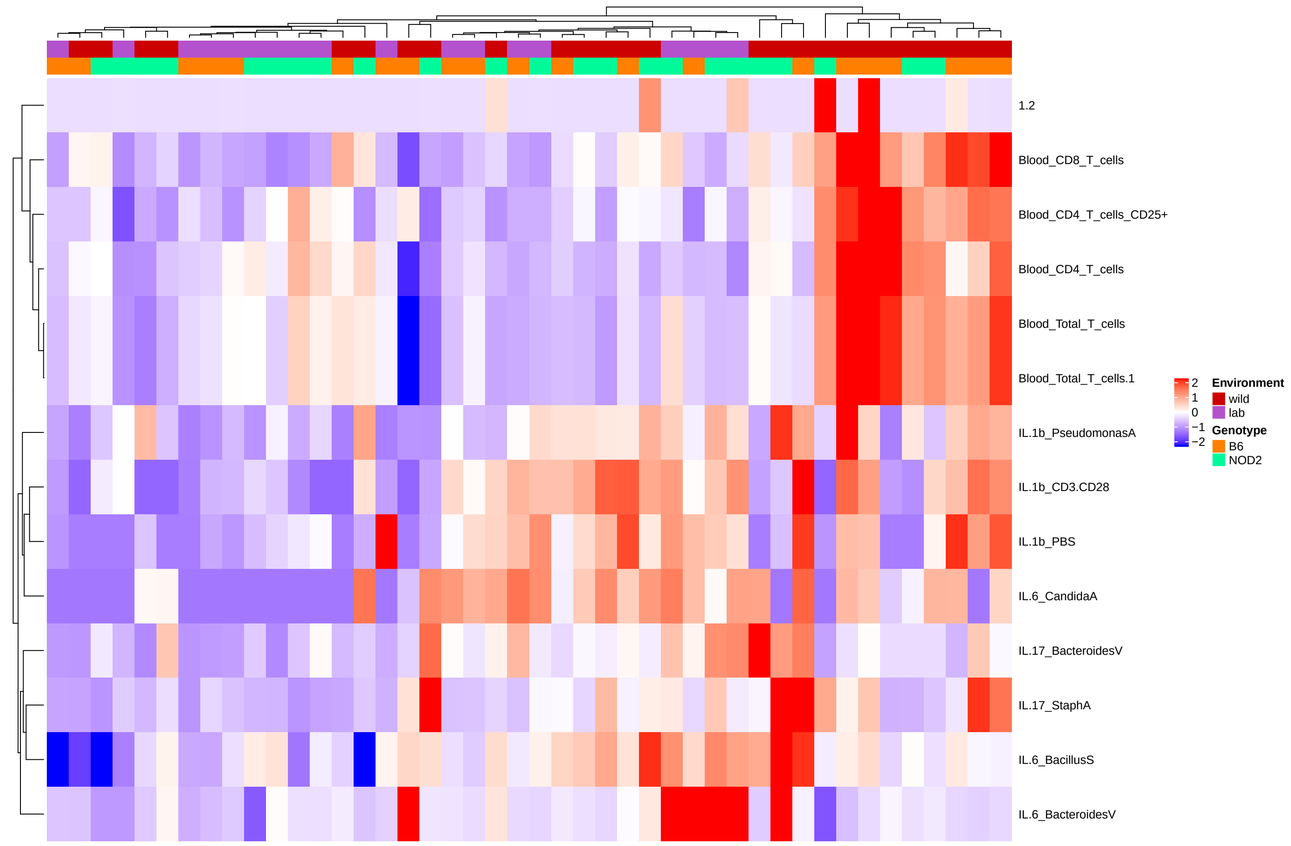

11.2
Log2 Value
8.6
8.4
8.2
8.0
B6
NOD2
Genotype

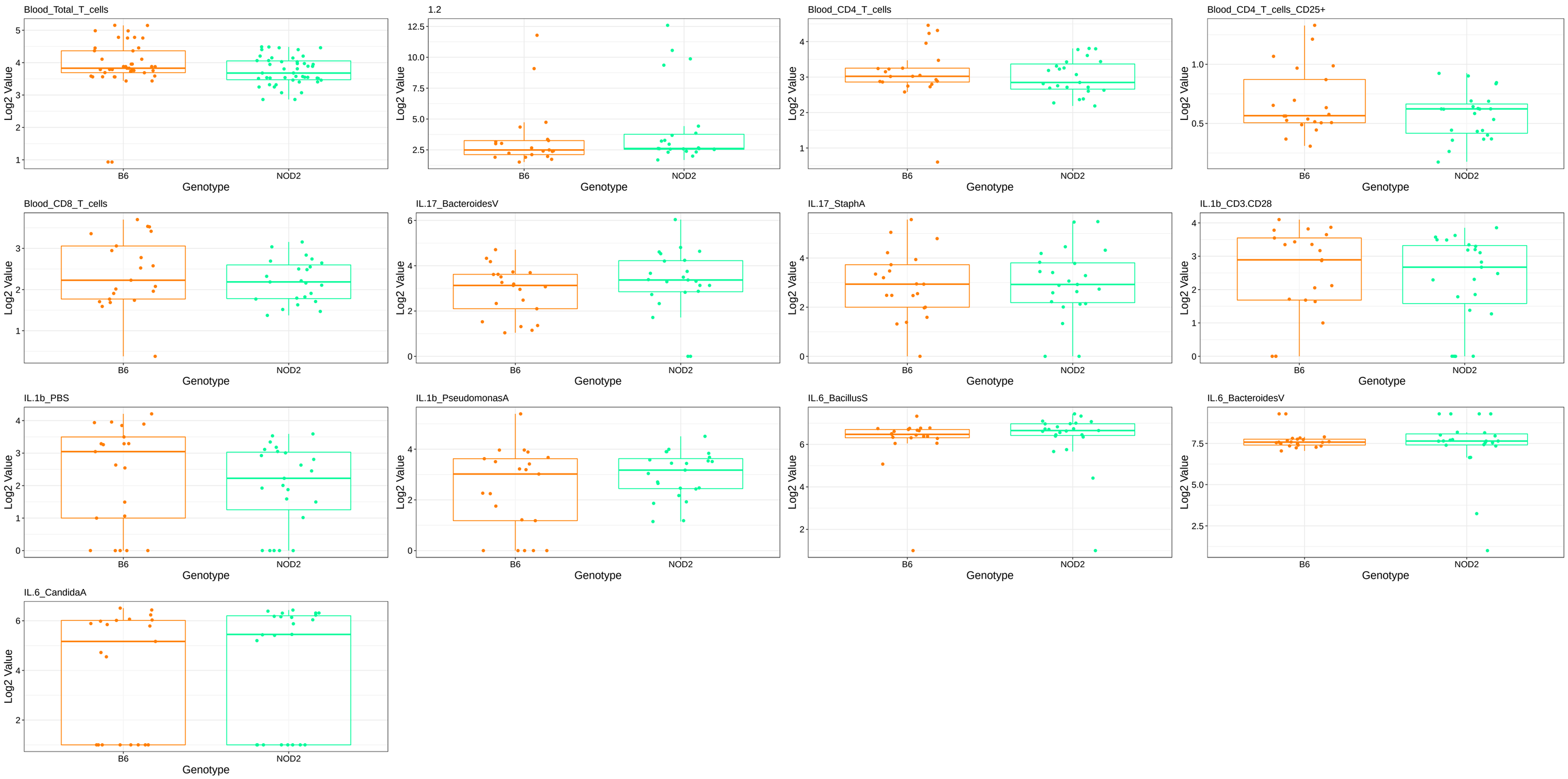

22
Log2 Value
5.25
5.00
4.75
4.50
4.25
B6
NOD2
Genotype

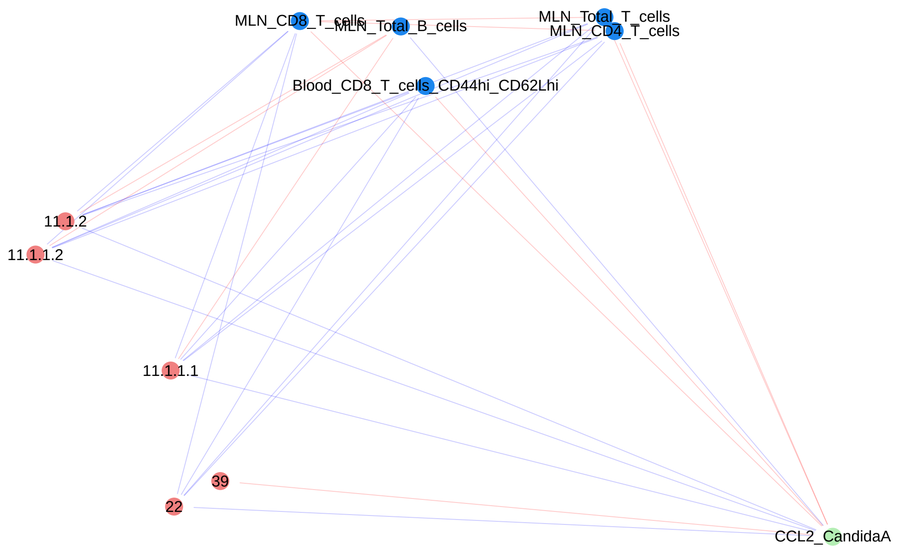

CCL2_CandidaA
Log2 Value
5
4
3
2
1
0
B6
NOD2
Genotype

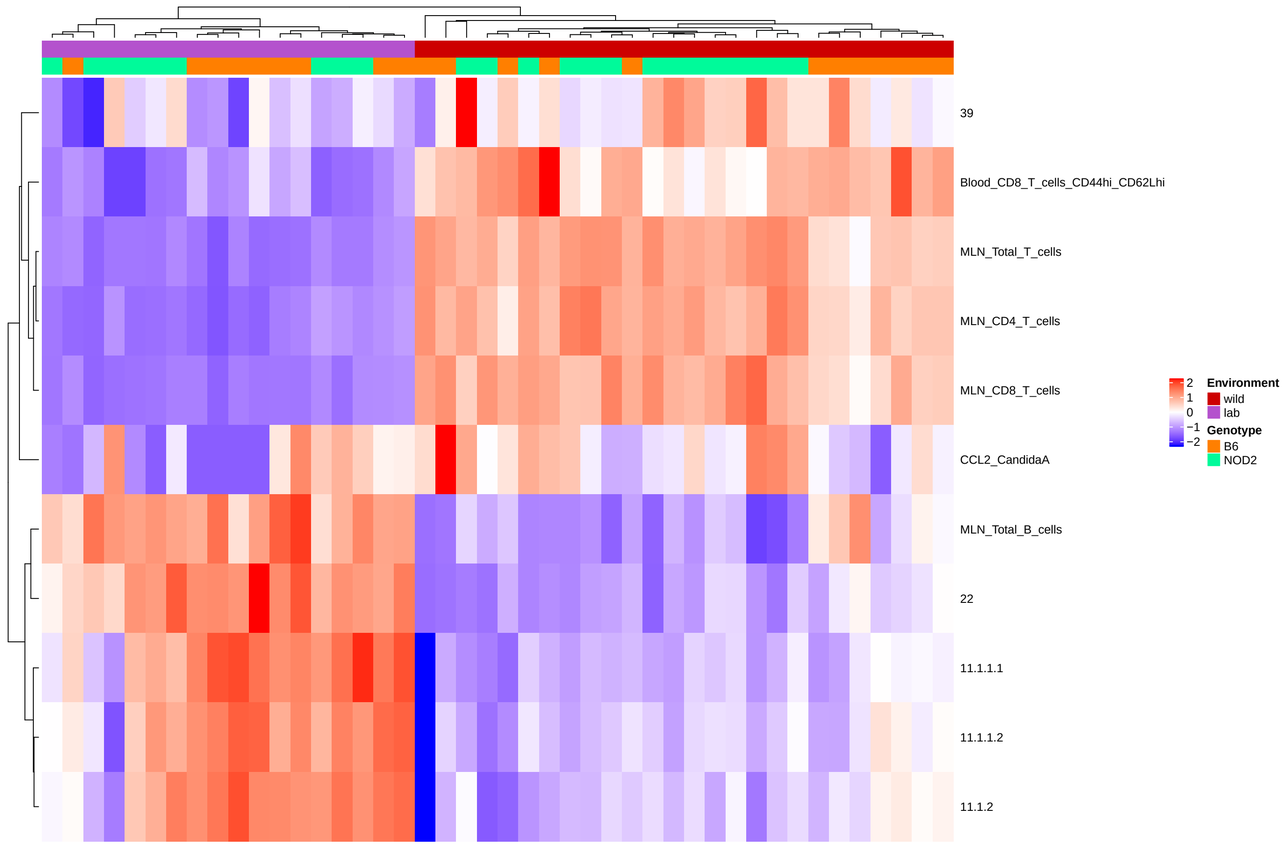

IL.1a_BacteroidesV
Log2 Value
3
2
1
0
B6
NOD2
Genotype

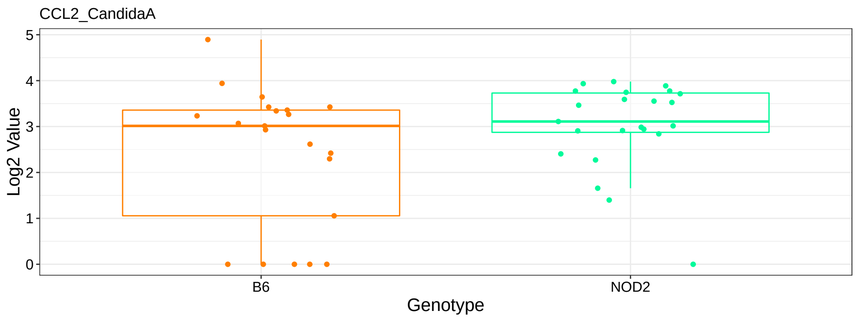

Blood_Total_T_cells
Blood_CD8_T_cells
Blood_CD4_T_cells
Blood_CD4_T_cells_CD25+
1.2
IL.1b_PBS
IL.6_BacillusS
IL.17_BacteroidesV
IL.1b_PseudomonasA
IL.1b_CD3.CD28
IL.17_StaphA
IL.6_CandidaA
IL.6_BacteroidesV

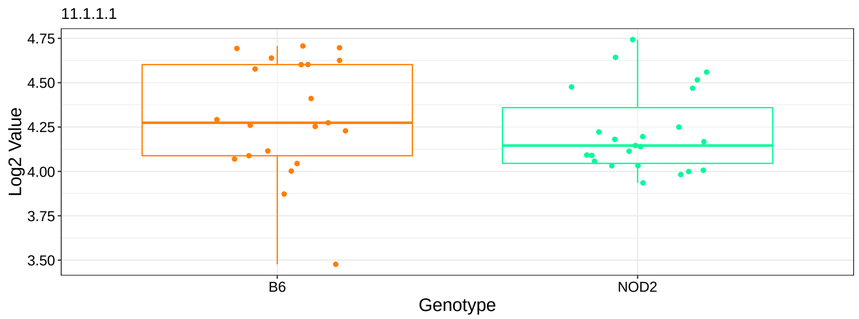

1.2
Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD4_T_cells
Blood_Total_T_cells
Blood_Total_T_cells.1
IL.1b_PseudomonasA
IL.1b_CD3.CD28
IL.1b_PBS
IL.6_CandidaA
IL.17_BacteroidesV
IL.17_StaphA
IL.6_BacillusS
IL.6_BacteroidesV
Environment
wild
lab
Genotype
B6
NOD2

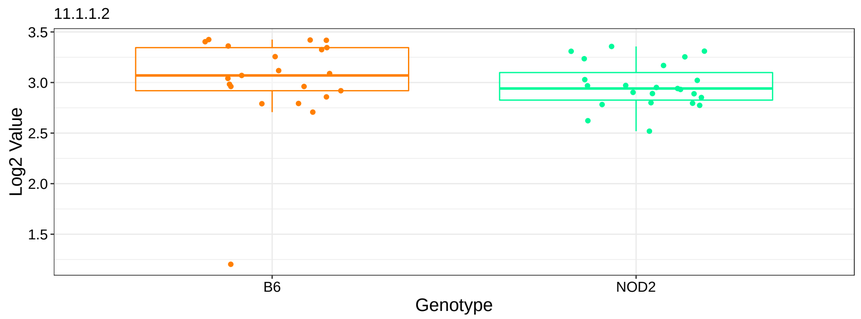

Blood_Total_T_cells
1.2
Blood_CD4_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD8_T_cells
IL.17_BacteroidesV
IL.17_StaphA
IL.1b_CD3.CD28
IL.1b_PBS
IL.1b_PseudomonasA
IL.6_BacillusS
IL.6_BacteroidesV
IL.6_CandidaA
Log2 Value
Genotype
B6
NOD2

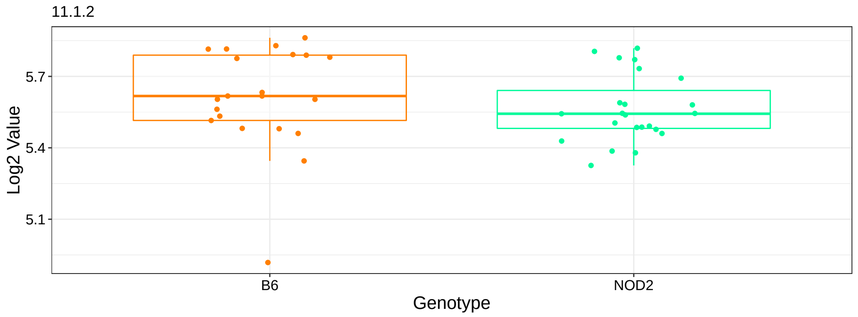

MLN_CD8_T_cells
MLN_Total_B_cells
MLN_Total_T_cells
MLN_CD4_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
11.1.2
11.1.1.2
11.1.1.1
39
22
CCL2_CandidaA

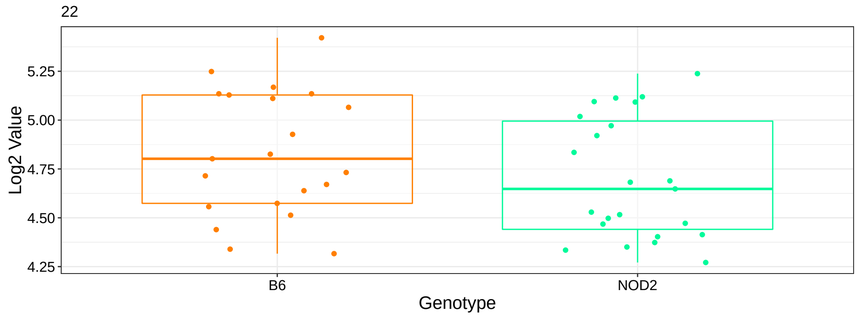

39
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
CCL2_CandidaA
MLN_Total_B_cells
22
11.1.1.1
11.1.1.2
11.1.2
Environment
wild
lab
Genotype
B6
NOD2

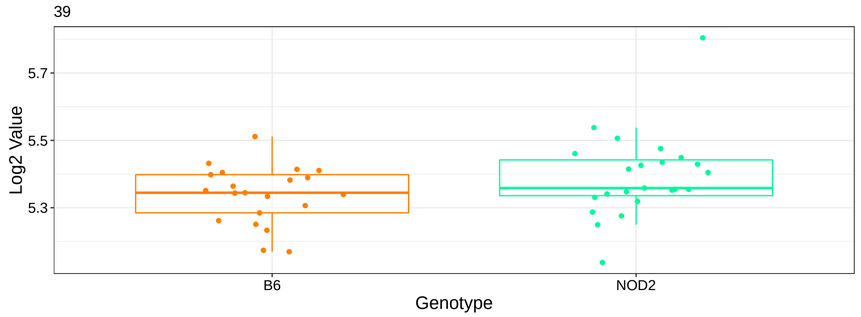

CCL2_CandidaA
Log2 Value
B6
NOD2
Genotype

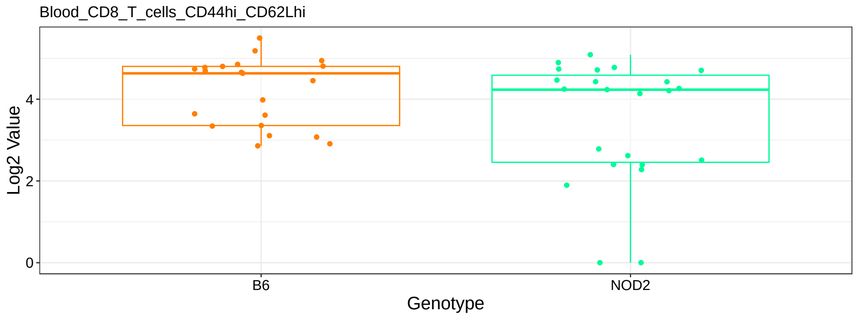

11.1.1.1
Log2 Value
B6
NOD2
Genotype

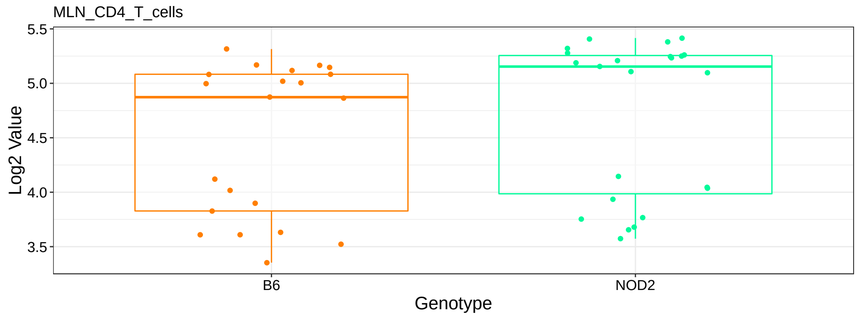

11.1.1.2
Log2 Value
B6
NOD2
Genotype

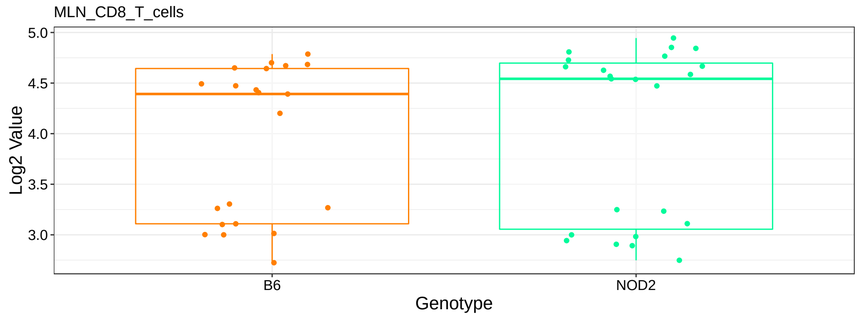

11.1.2
Log2 Value
B6
NOD2
Genotype

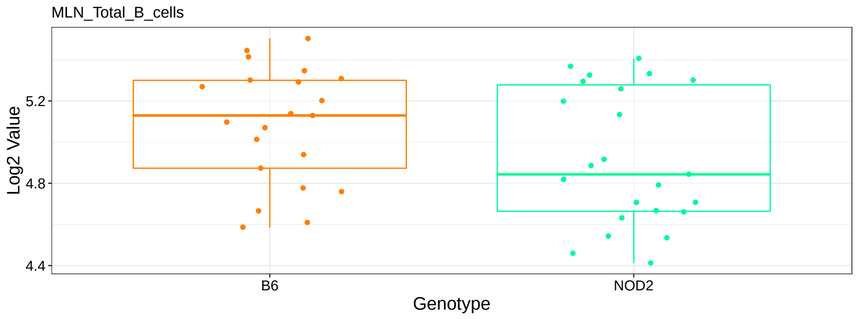

22
Log2 Value
B6
NOD2
Genotype

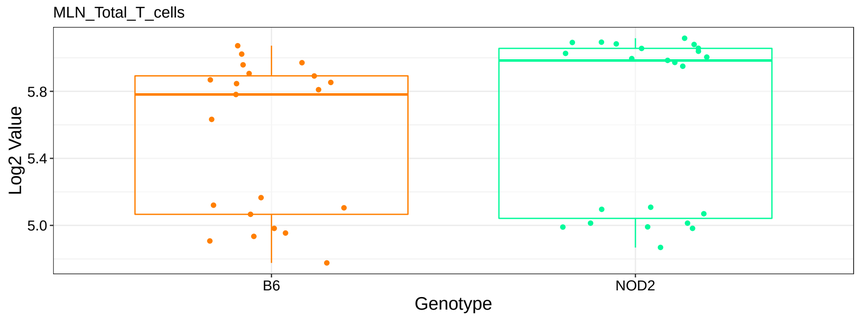

39
Log2 Value
B6
NOD2
Genotype

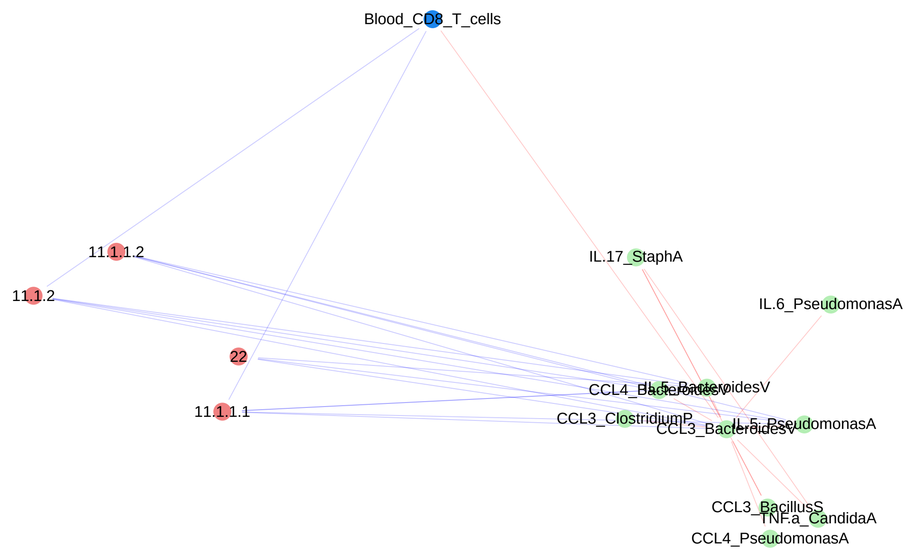

Blood_CD8_T_cells_CD44hi_CD62Lhi
Log2 Value
B6
NOD2
Genotype

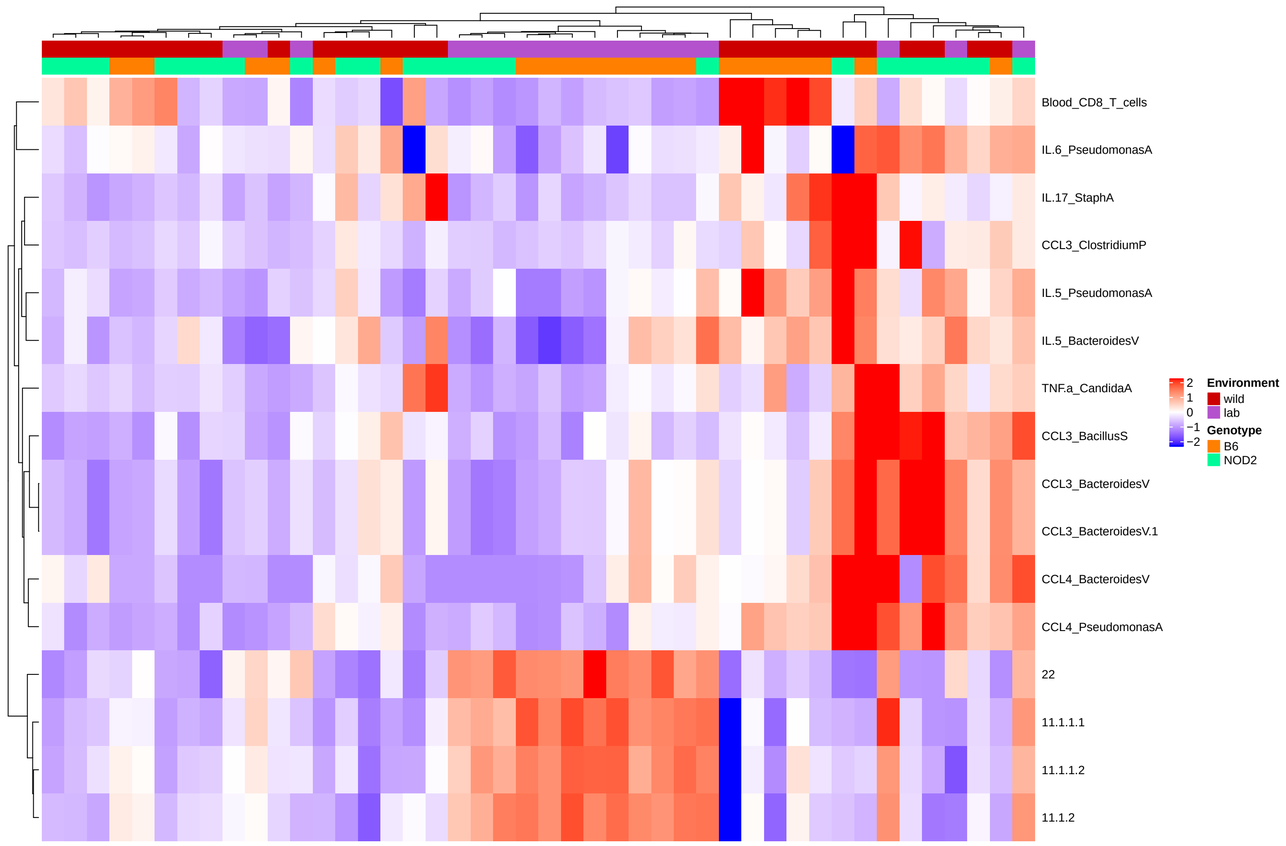

MLN_CD4_T_cells
Log2 Value
B6
NOD2
Genotype

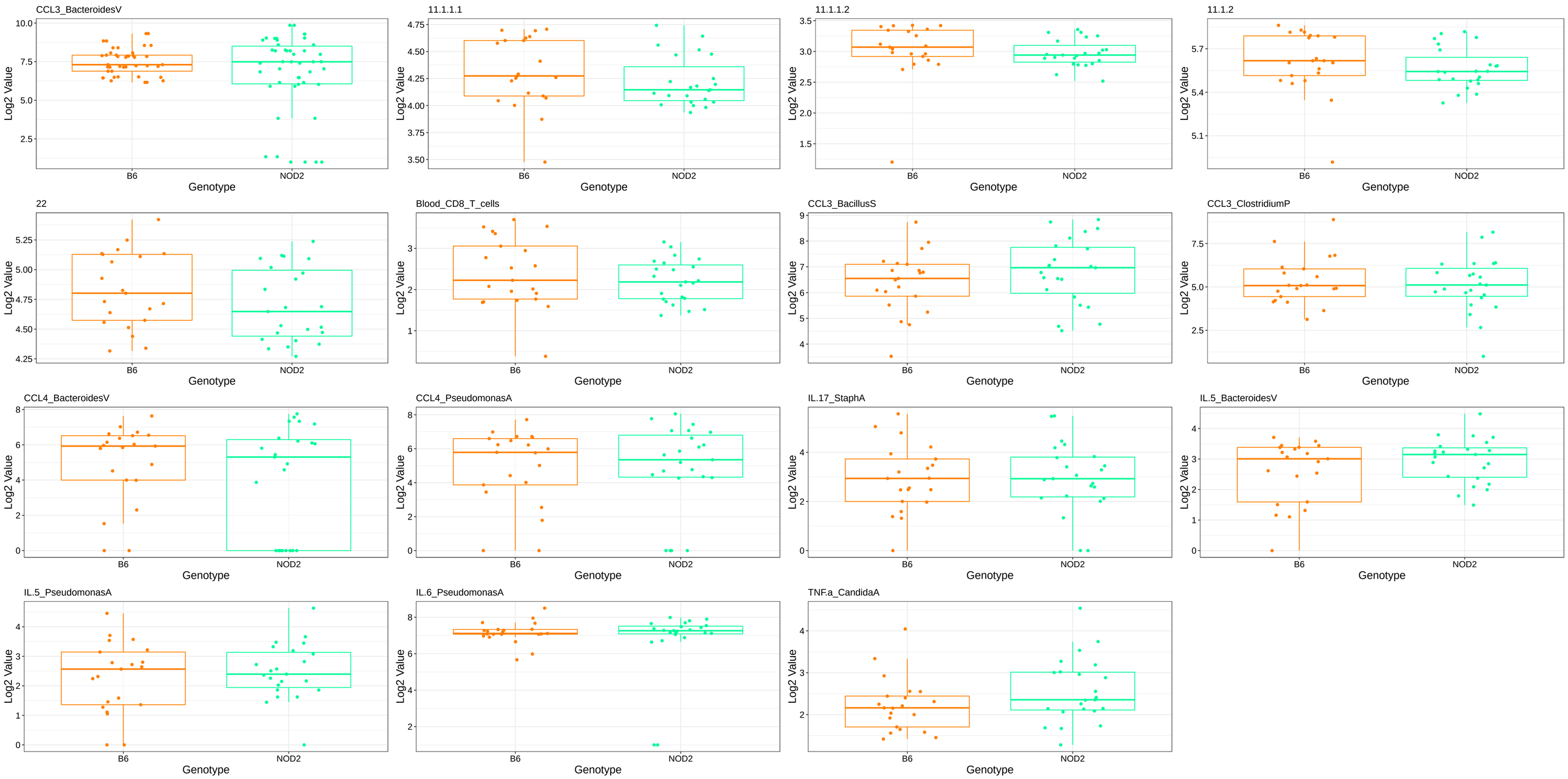

MLN_CD8_T_cells
Log2 Value
B6
NOD2
Genotype

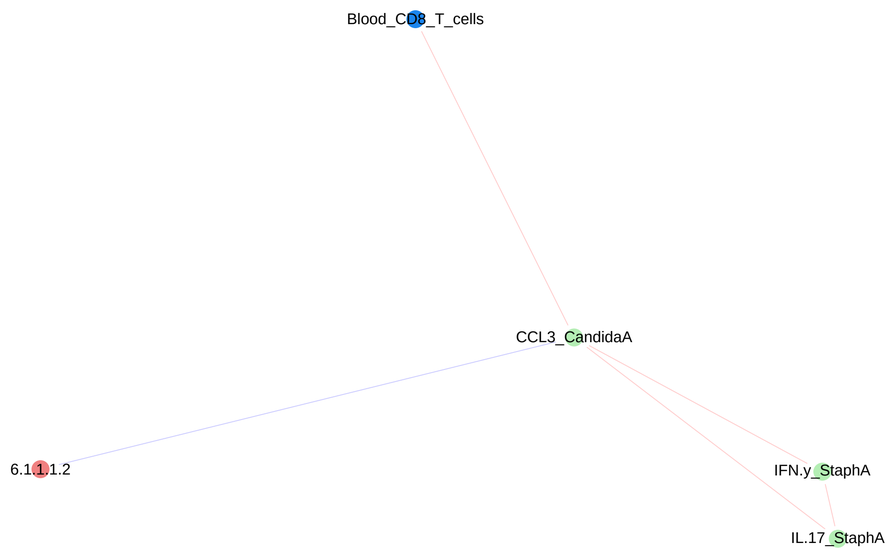

MLN_Total_B_cells
Log2 Value
B6
NOD2
Genotype

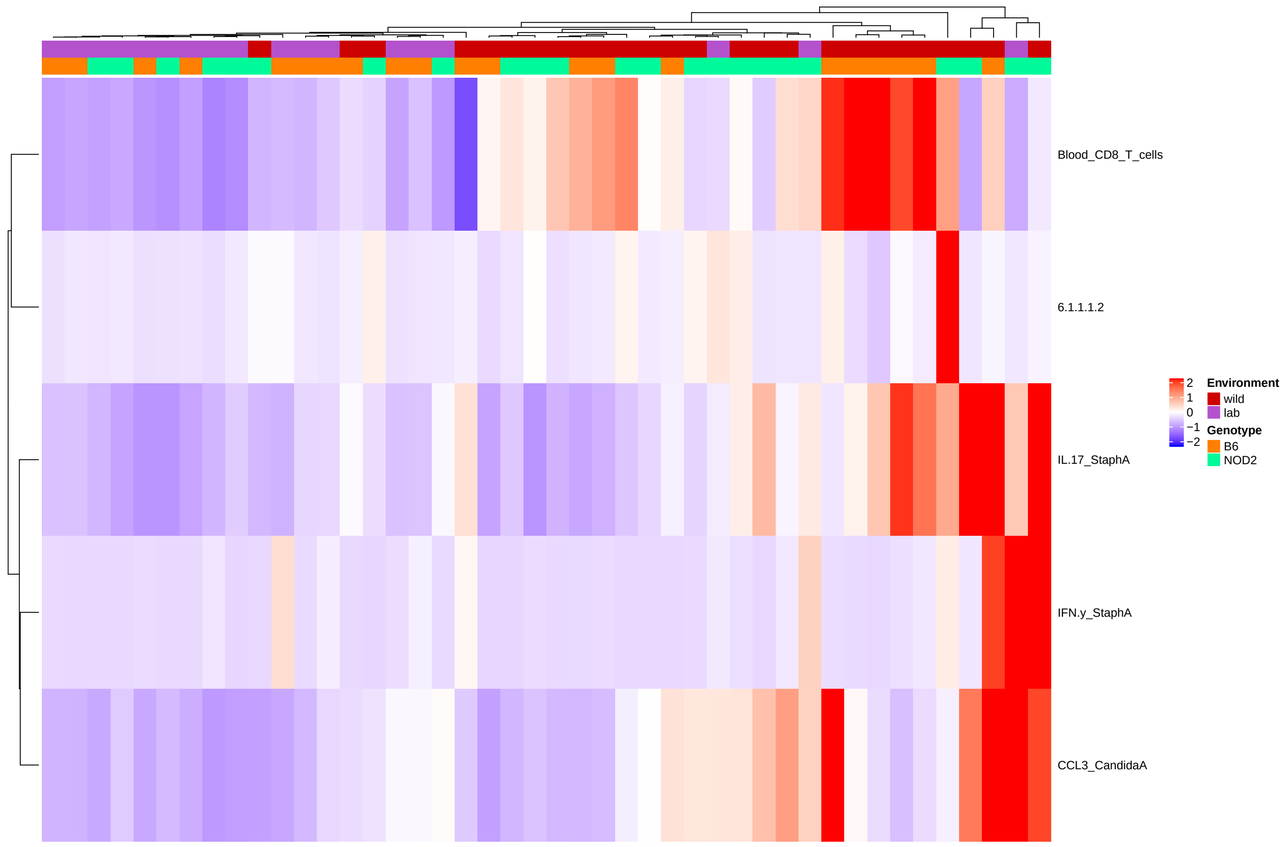

MLN_Total_T_cells
Log2 Value
B6
NOD2
Genotype

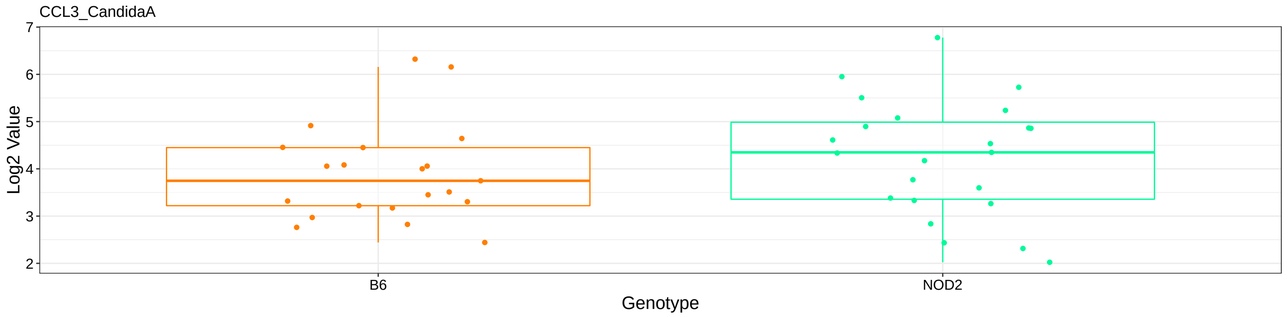

Blood_CD8_T_cells
11.1.1.2
11.1.2
22
11.1.1.1
IL.17_StaphA
IL.6_PseudomonasA
CCL4_BacteroidesV
IL.5_BacteroidesV
CCL3_ClostridiumP
CCL3_BacteroidesV
IL.5_PseudomonasA
CCL3_BacillusS
TNF.a_CandidaA
CCL4_PseudomonasA

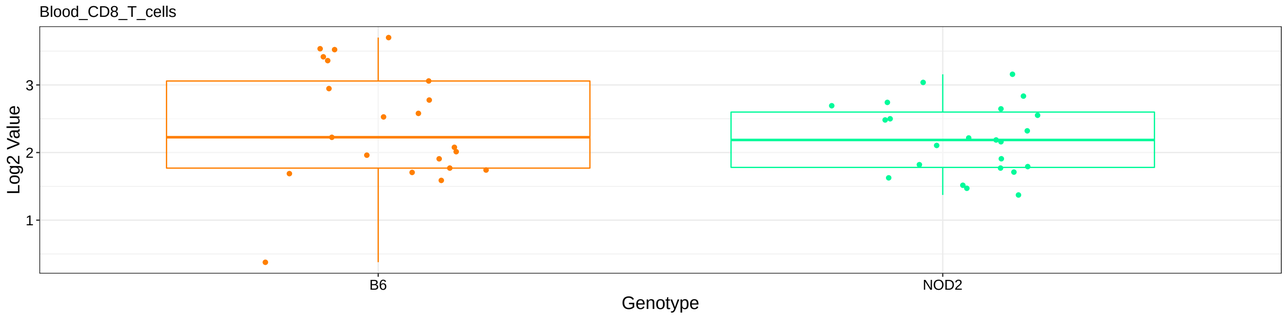

Blood_CD8_T_cells
IL.6_PseudomonasA
IL.17_StaphA
CCL3_ClostridiumP
IL.5_PseudomonasA
IL.5_BacteroidesV
TNF.a_CandidaA
CCL3_BacillusS
CCL3_BacteroidesV
CCL3_BacteroidesV.1
CCL4_BacteroidesV
CCL4_PseudomonasA
22
11.1.1.1
11.1.1.2
11.1.2
Environment
wild
lab
Genotype
B6
NOD2

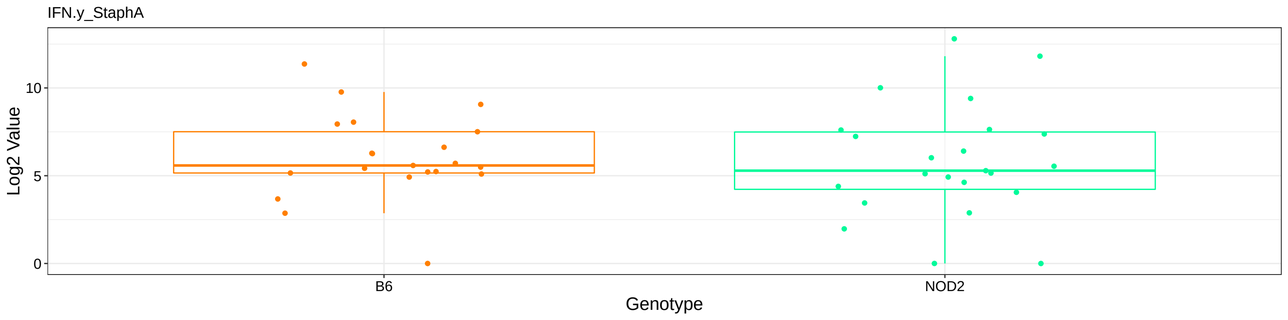

CCL3_BacteroidesV
11.1.1.1
11.1.1.2
11.1.2
22
Blood_CD8_T_cells
CCL3_BacillusS
CCL3_ClostridiumP
CCL4_BacteroidesV
CCL4_PseudomonasA
IL.17_StaphA
IL.5_BacteroidesV
IL.5_PseudomonasA
IL.6_PseudomonasA
TNF.a_CandidaA
Log2 Value
B6
NOD2
Genotype

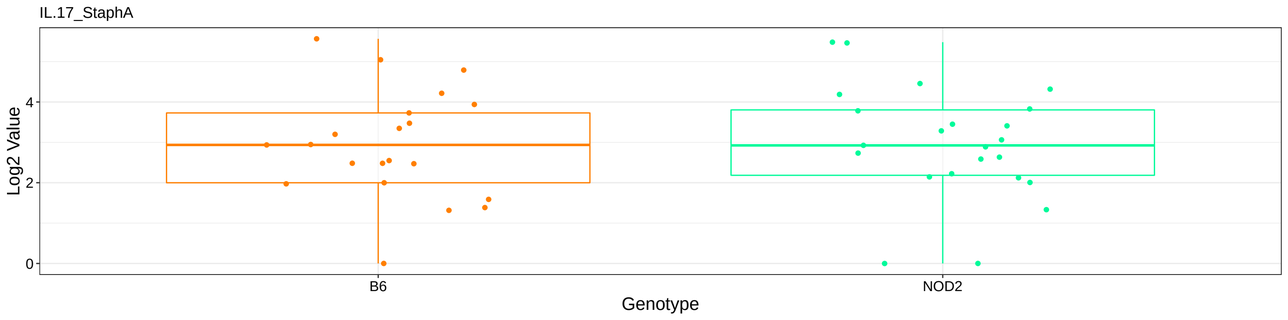

Blood_CD8_T_cells
CCL3_CandidaA
6.1.1.1.2
IFN.y_StaphA
IL.17_StaphA

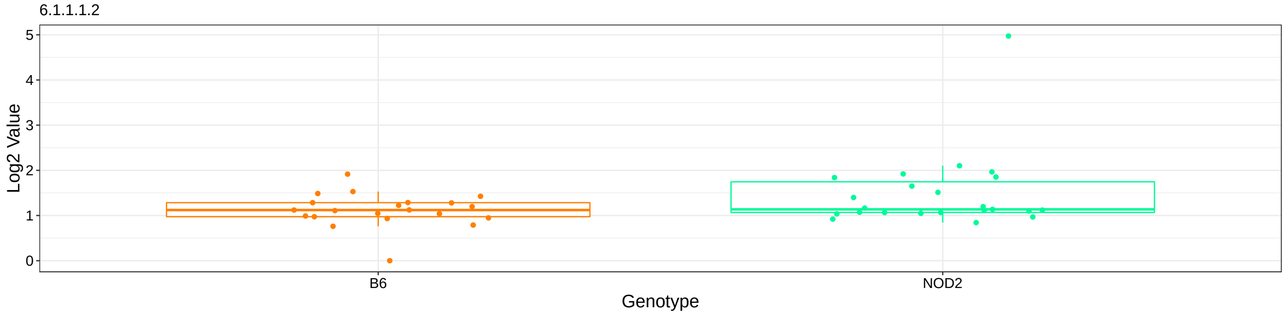

Blood_CD8_T_cells
6.1.1.1.2
IL.17_StaphA
IFN.y_StaphA
CCL3_CandidaA
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

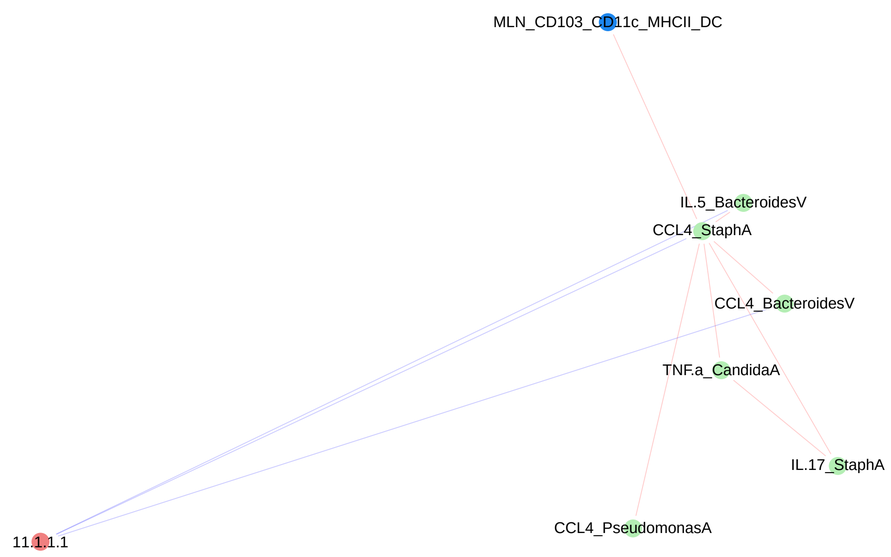

CCL3_CandidaA
Log2 Value
7
6
5
4
3
2
B6
NOD2
Genotype

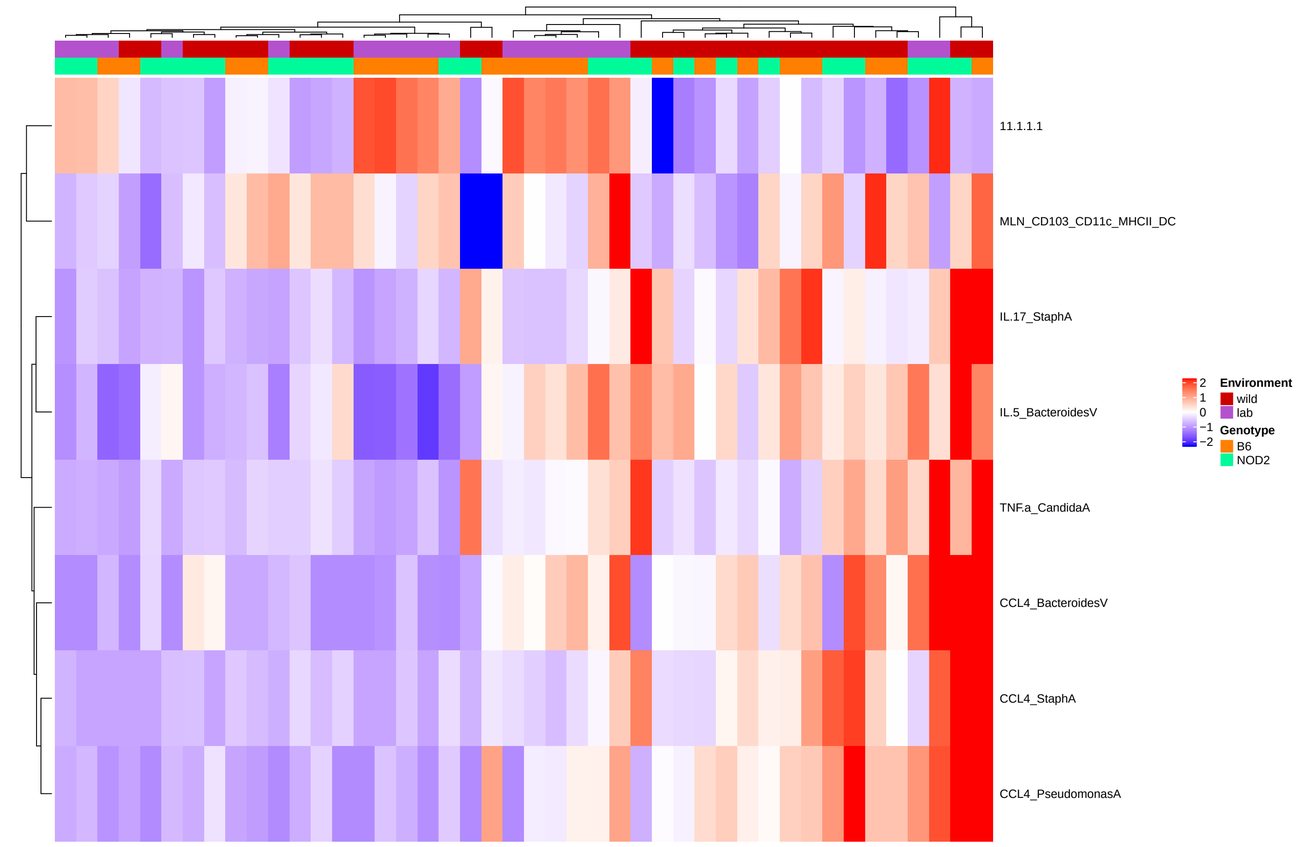

Blood_CD8_T_cells
Log2 Value
3
2
1
B6
NOD2
Genotype

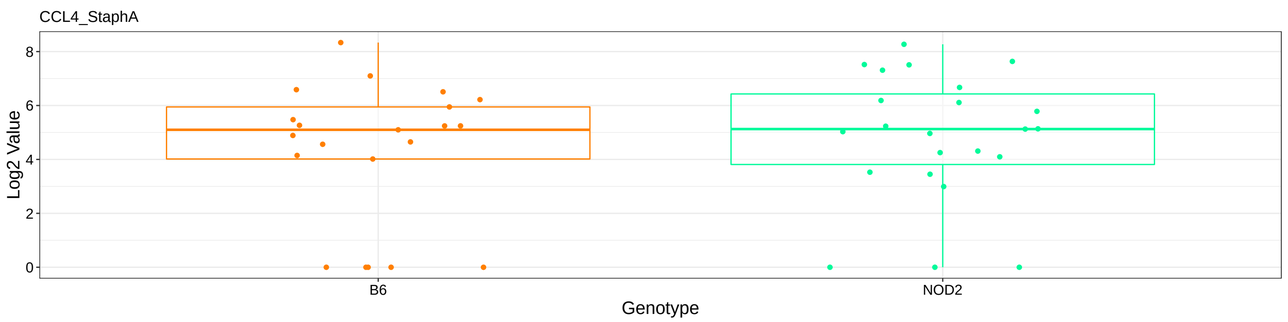

IFN.y_StaphA
Log2 Value
10
5
0
B6
NOD2
Genotype

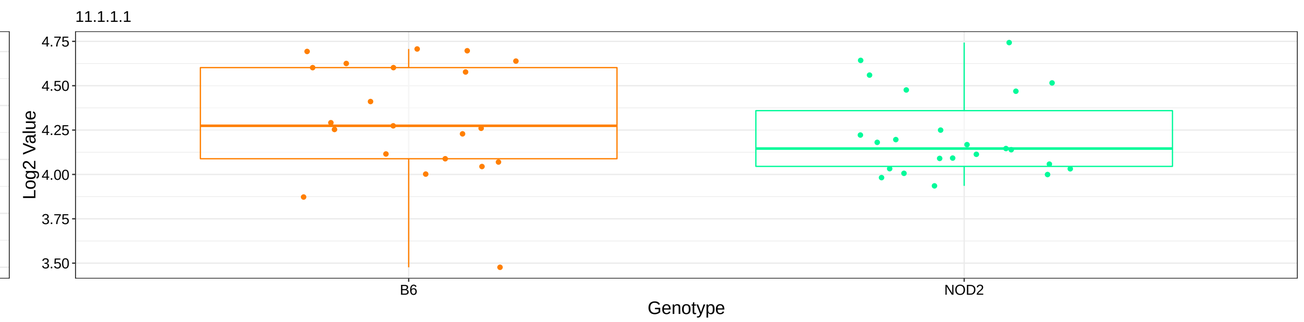

IL.17_StaphA
Log2 Value
4
2
0
B6
NOD2
Genotype

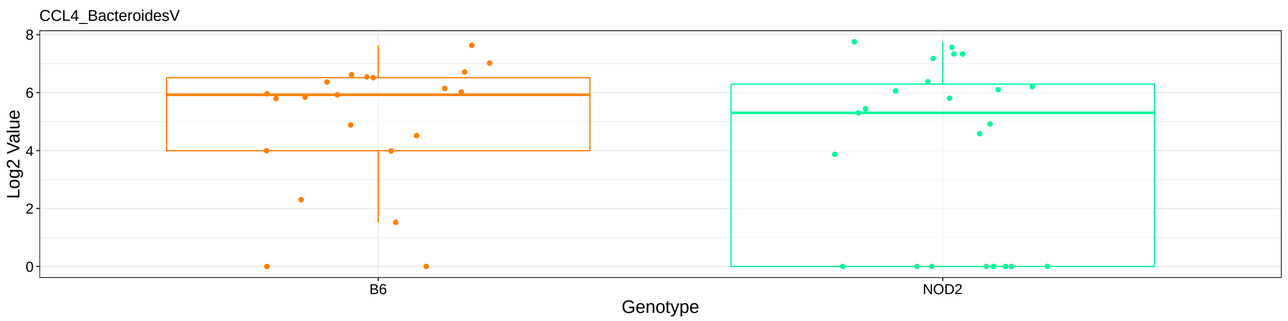

6.1.1.1.2
Log2 Value
5
4
3
2
1
0
B6
NOD2
Genotype

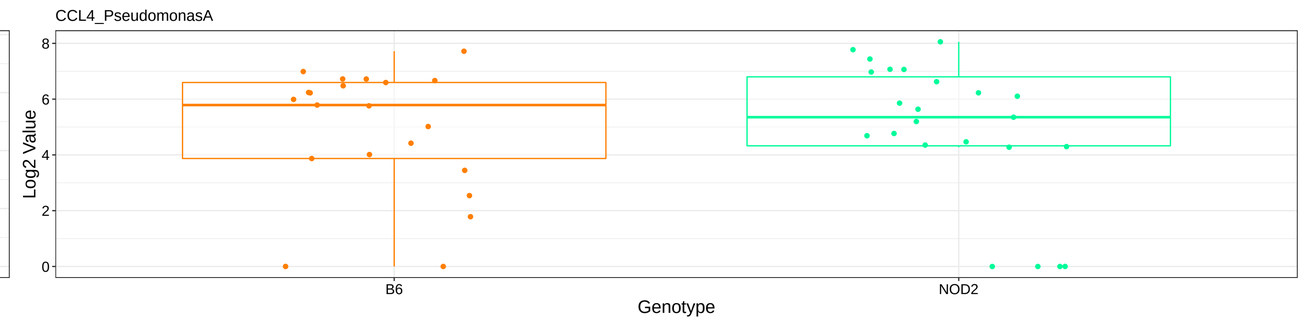

MLN_CD103_CD11c_MHCII_DC
IL.5_BacteroidesV
CCL4_StaphA
CCL4_BacteroidesV
TNF.a_CandidaA
IL.17_StaphA
CCL4_PseudomonasA
11.1.1.1

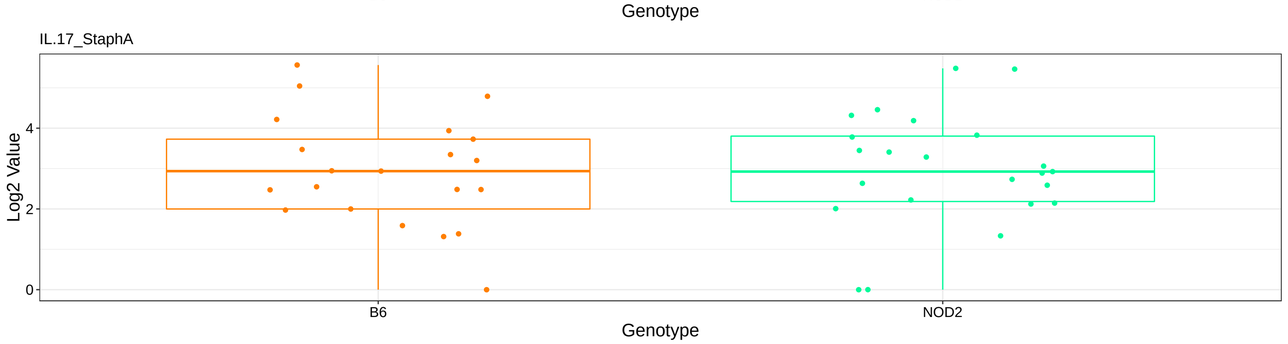

11.1.1.1
MLN_CD103_CD11c_MHCII_DC
IL.17_StaphA
IL.5_BacteroidesV
TNF.a_CandidaA
CCL4_BacteroidesV
CCL4_StaphA
CCL4_PseudomonasA
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

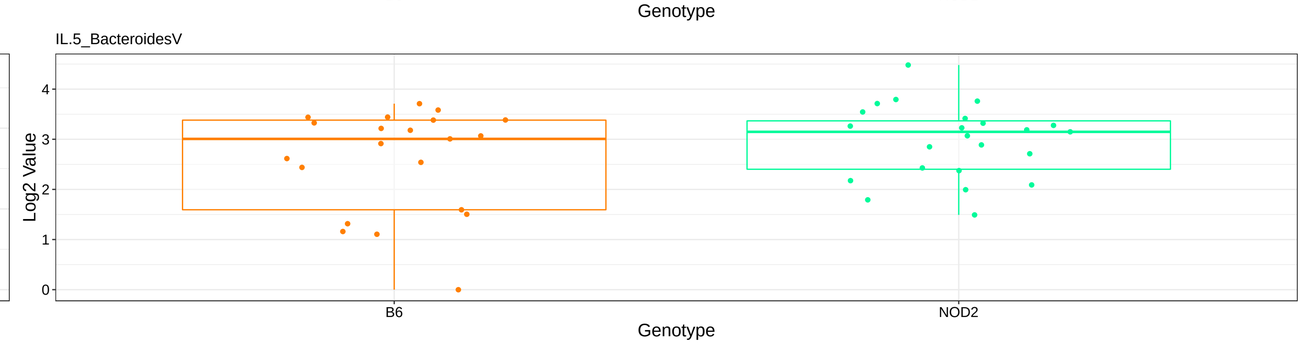

CCL4_StaphA
Log2 Value
B6
NOD2
Genotype

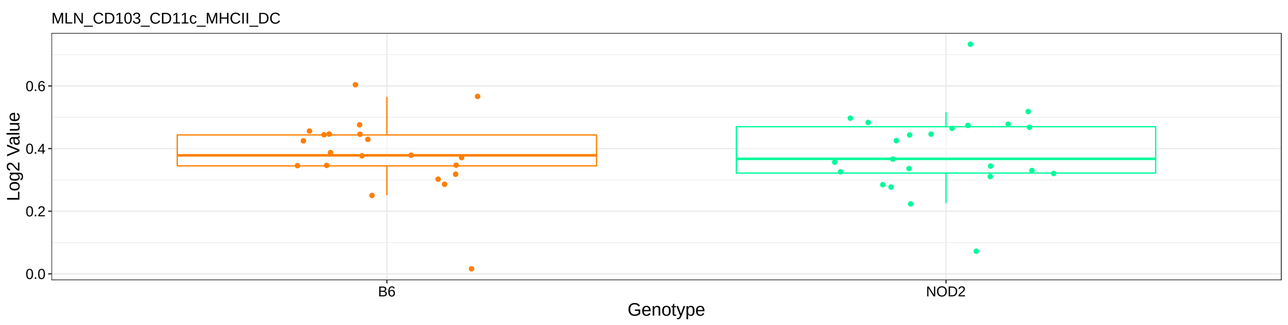

11.1.1.1
Log2 Value
B6
NOD2
Genotype

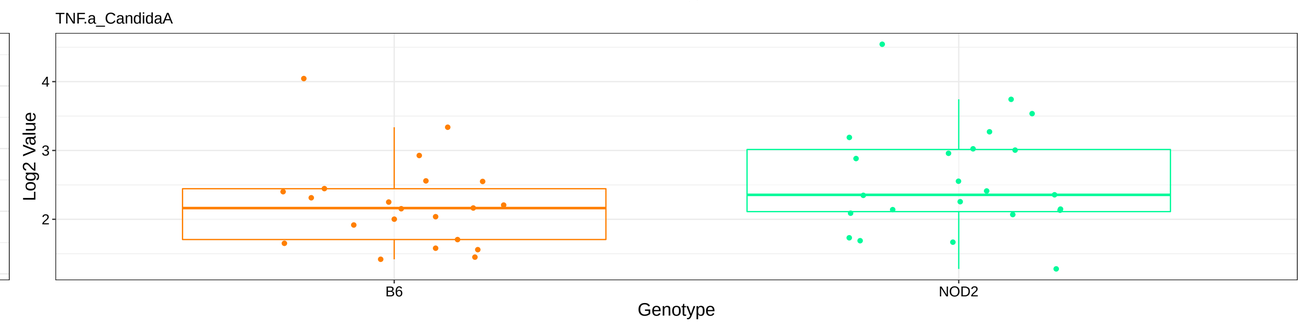

CCL4_BacteroidesV
Log2 Value
B6
NOD2
Genotype

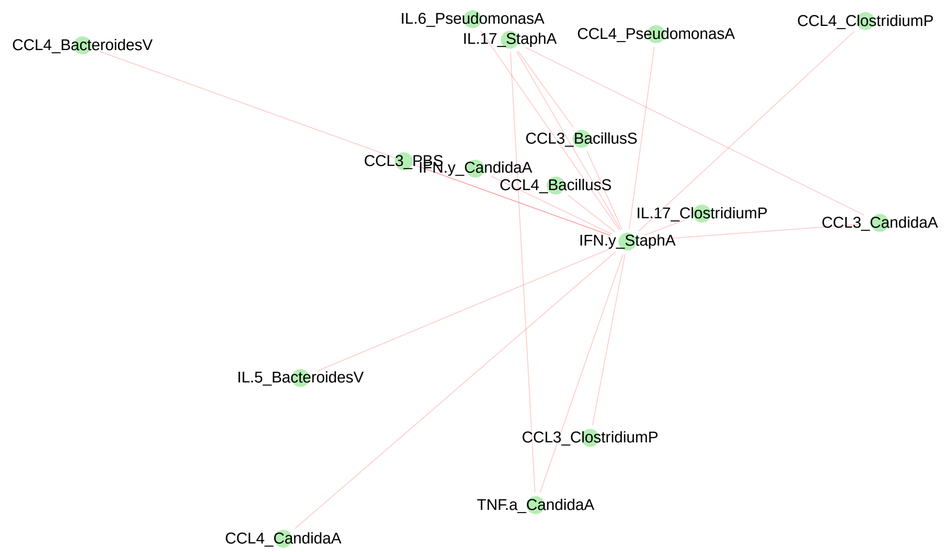

CCL4_PseudomonasA
Log2 Value
B6
NOD2
Genotype

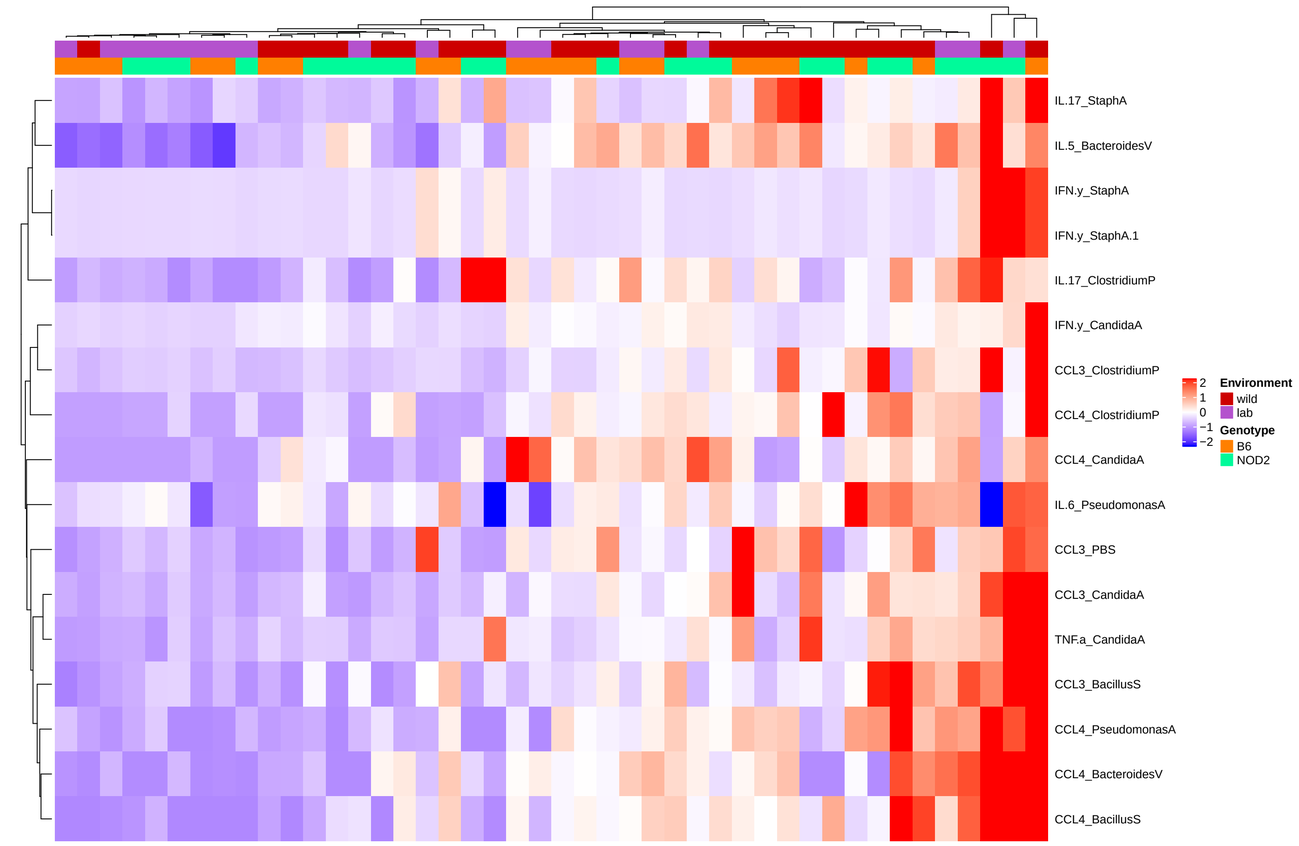

IL.17_StaphA
Log2 Value
B6
NOD2
Genotype

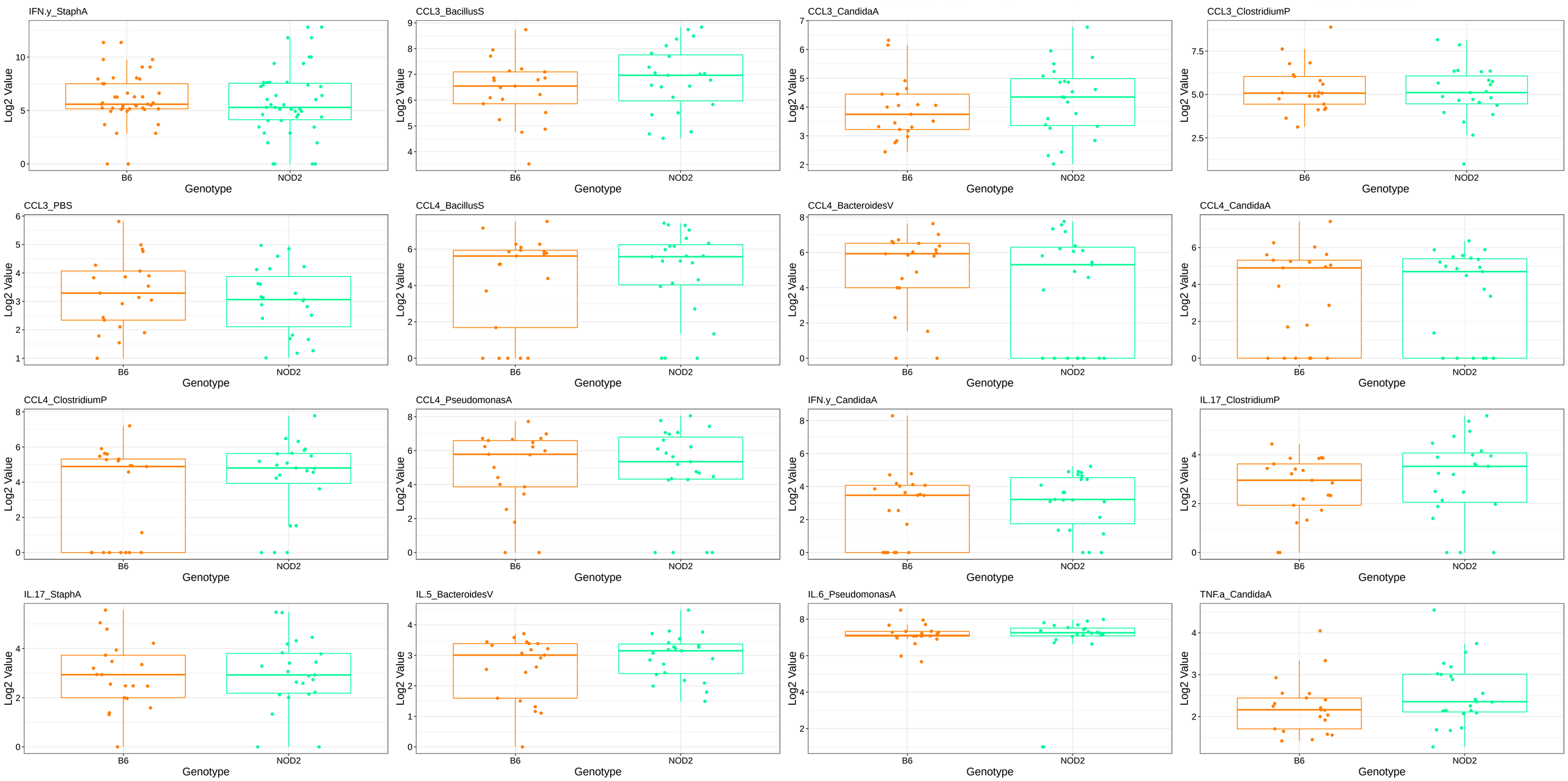

IL.5_BacteroidesV
Log2 Value
B6
NOD2
Genotype

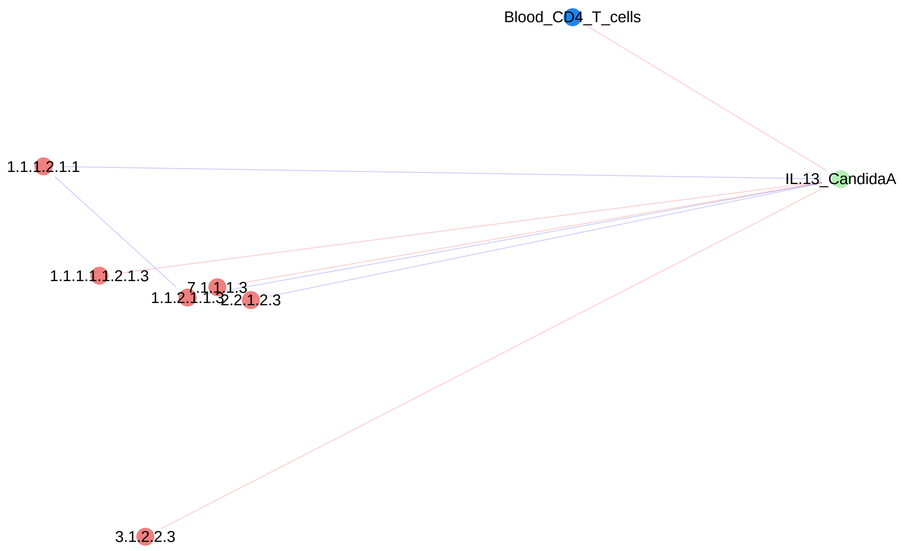

MLN_CD103_CD11c_MHCII_DC
Log2 Value
B6
NOD2
Genotype

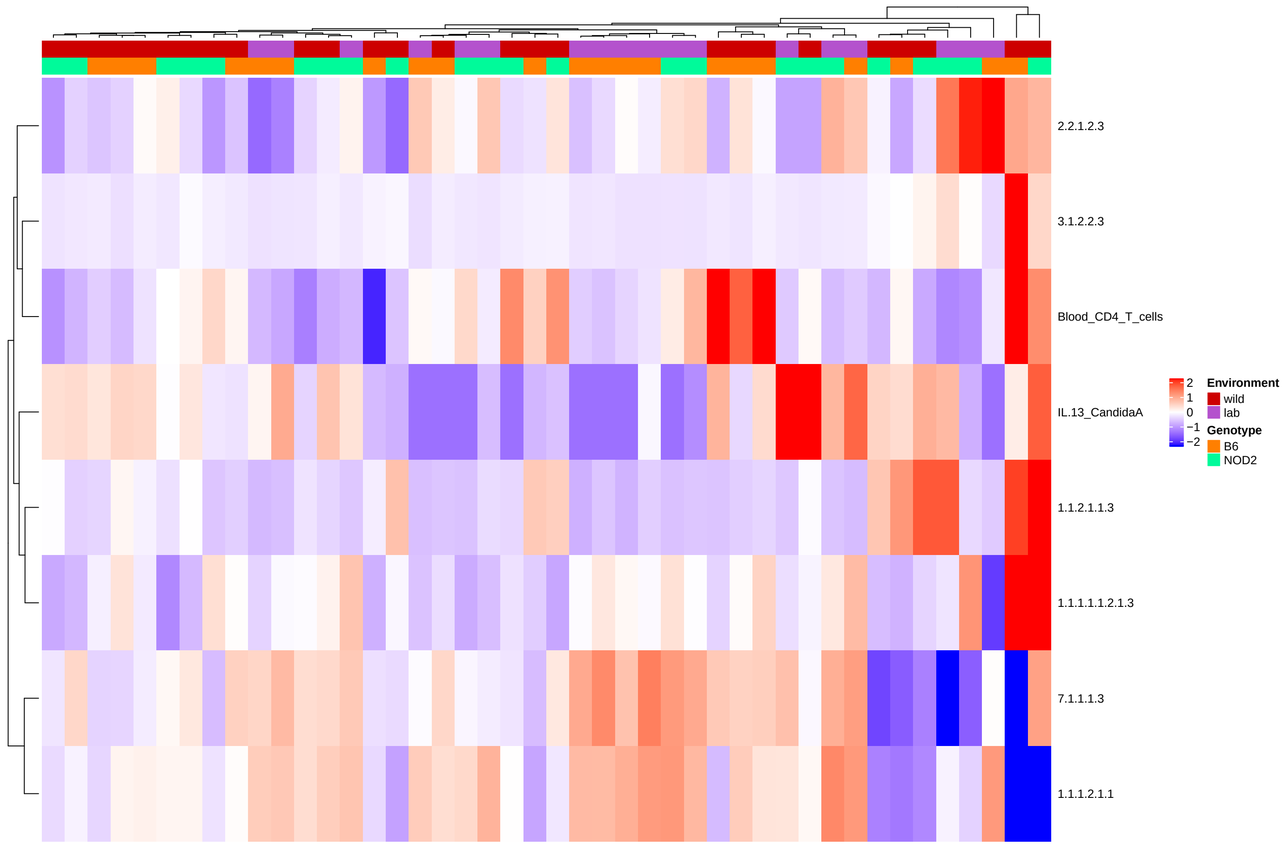

TNF.a_CandidaA
Log2 Value
B6
NOD2
Genotype

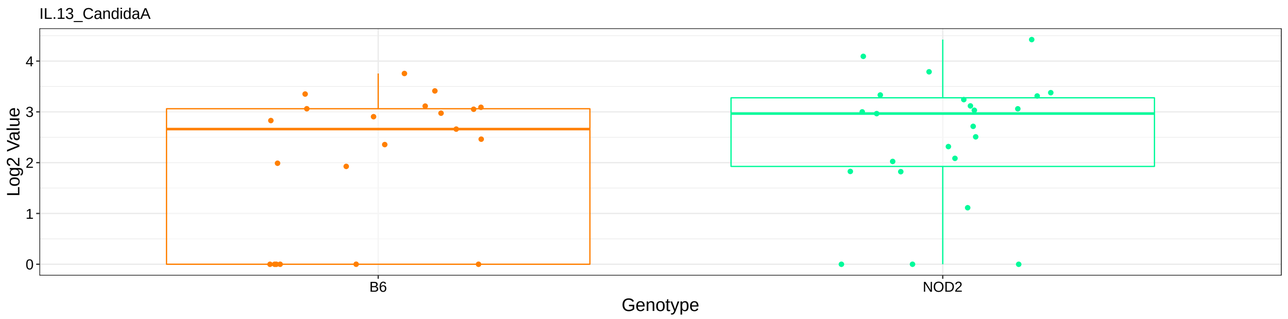

CCL4_BacteroidesV
IL.6_PseudomonasA
IL.17_StaphA
CCL4_PseudomonasA
CCL4_ClostridiumP
CCL3_BacillusS
CCL3_PBS
IFN.y_CandidaA
CCL4_BacillusS
IL.17_ClostridiumP
CCL3_CandidaA
IFN.y_StaphA
IL.5_BacteroidesV
CCL3_ClostridiumP
TNF.a_CandidaA
CCL4_CandidaA

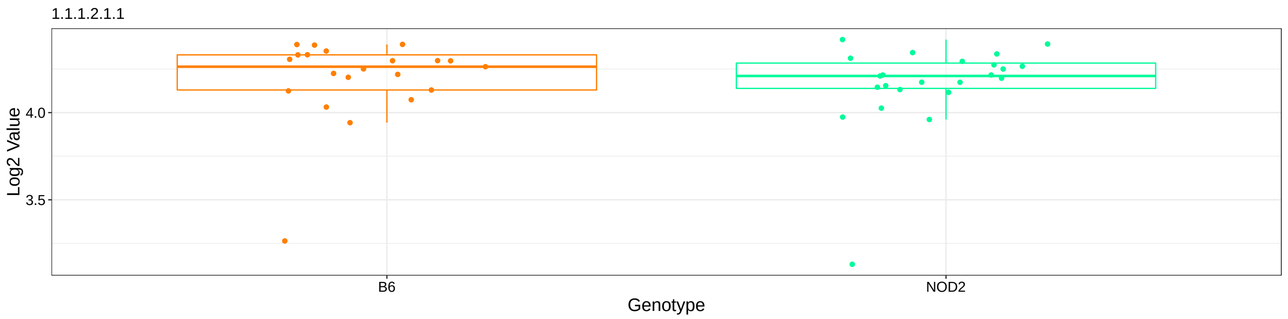

IL.17_StaphA
IL.5_BacteroidesV
IFN.y_StaphA
IFN.y_StaphA.1
IL.17_ClostridiumP
IFN.y_CandidaA
CCL3_ClostridiumP
CCL4_ClostridiumP
CCL4_CandidaA
IL.6_PseudomonasA
CCL3_PBS
CCL3_CandidaA
TNF.a_CandidaA
CCL3_BacillusS
CCL4_PseudomonasA
CCL4_BacteroidesV
CCL4_BacillusS
Environment
wild
lab
Genotype
B6
NOD2

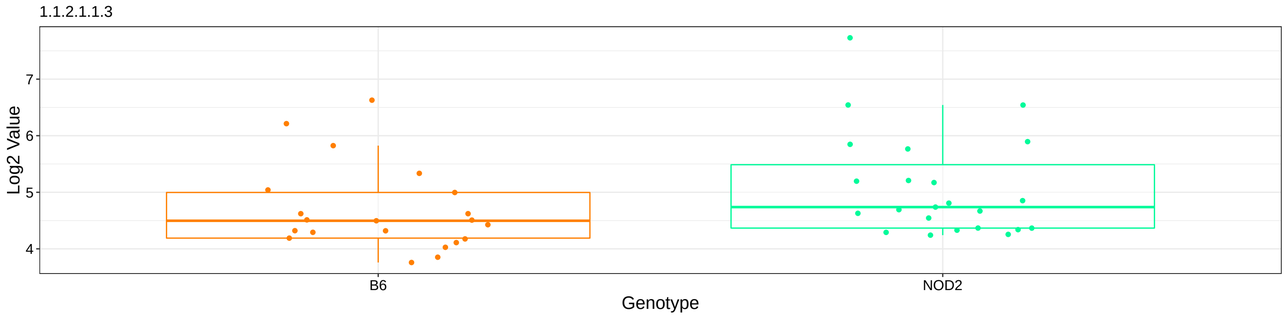

IFN.y_StaphA
CCL3_BacillusS
CCL3_CandidaA
CCL3_ClostridiumP
CCL3_PBS
CCL4_BacillusS
CCL4_BacteroidesV
CCL4_CandidaA
CCL4_ClostridiumP
CCL4_PseudomonasA
IFN.y_CandidaA
IL.17_ClostridiumP
IL.17_StaphA
IL.5_BacteroidesV
IL.6_PseudomonasA
TNF.a_CandidaA
Log2 Value
Genotype
B6
NOD2

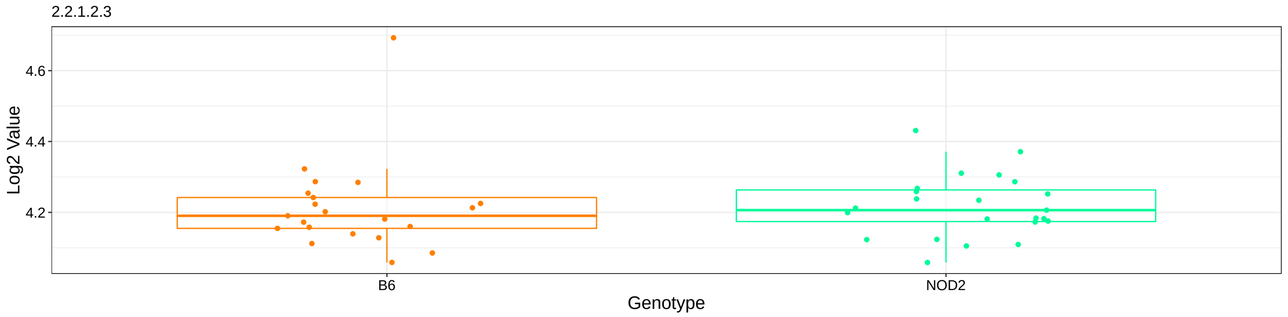

Blood_CD4_T_cells
IL.13_CandidaA
1.1.1.2.1.1
1.1.1.1.1.2.1.3
7.1.1.1.3
1.1.2.1.1.3
2.2.1.2.3
3.1.2.2.3

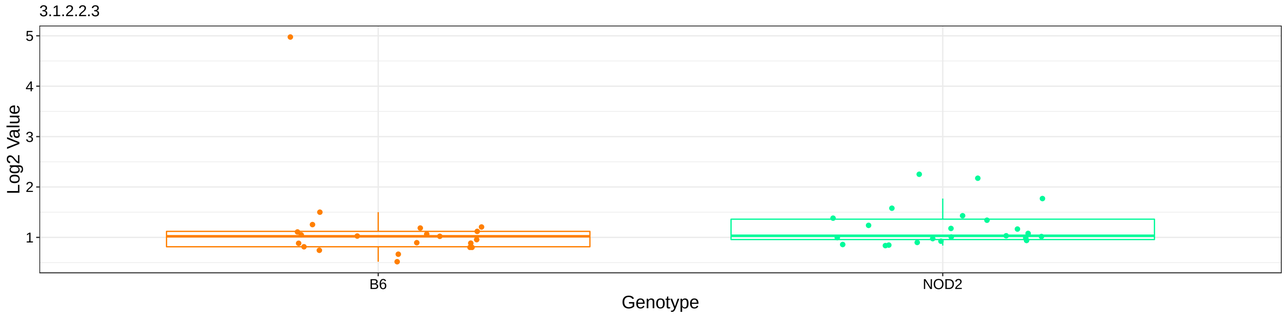

2.2.1.2.3
3.1.2.2.3
Blood_CD4_T_cells
IL.13_CandidaA
1.1.2.1.1.3
1.1.1.1.1.2.1.3
7.1.1.1.3
1.1.1.2.1.1
Environment
wild
lab
Genotype
B6
NOD2

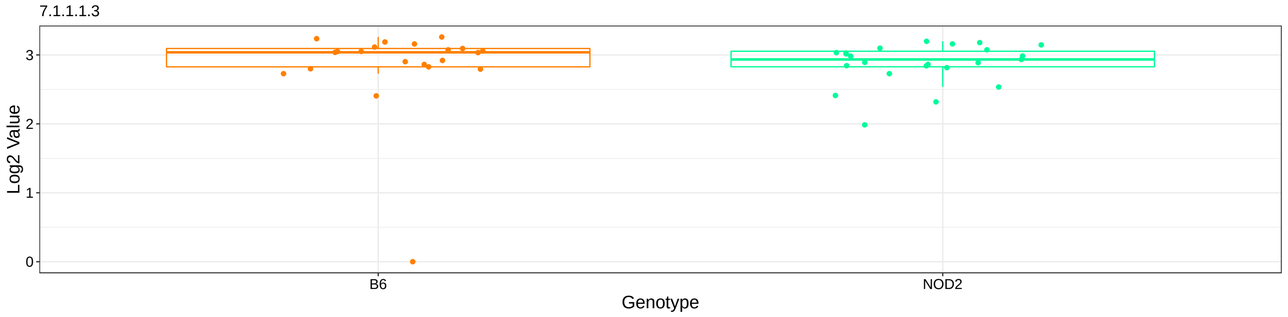

IL.13_CandidaA
Log2 Value
B6
NOD2
Genotype

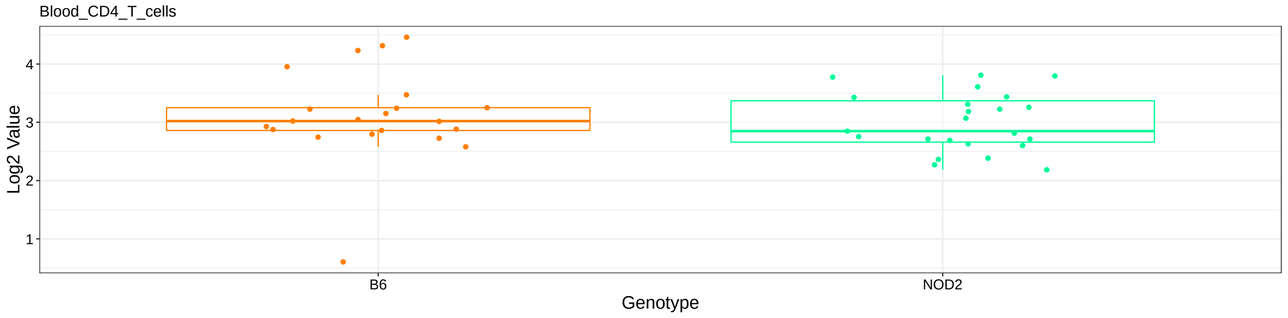

1.1.1.2.1.1
Log2 Value
B6
NOD2
Genotype

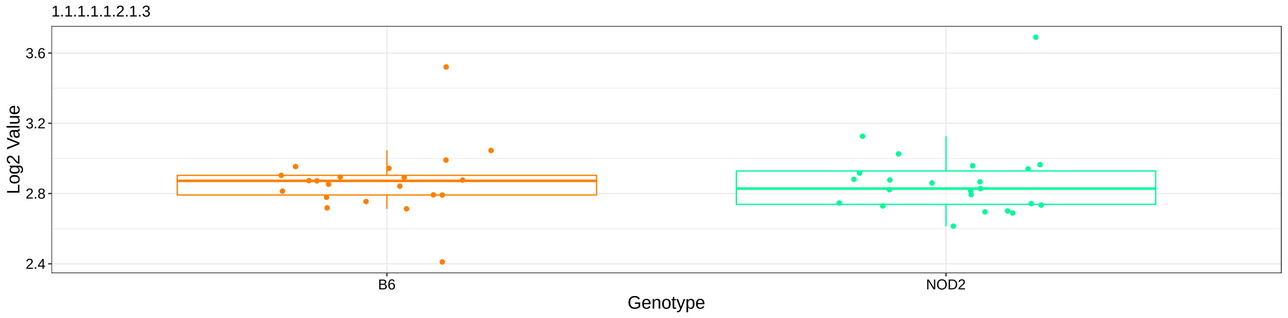

1.1.2.1.1.3
Log2 Value
B6
NOD2
Genotype

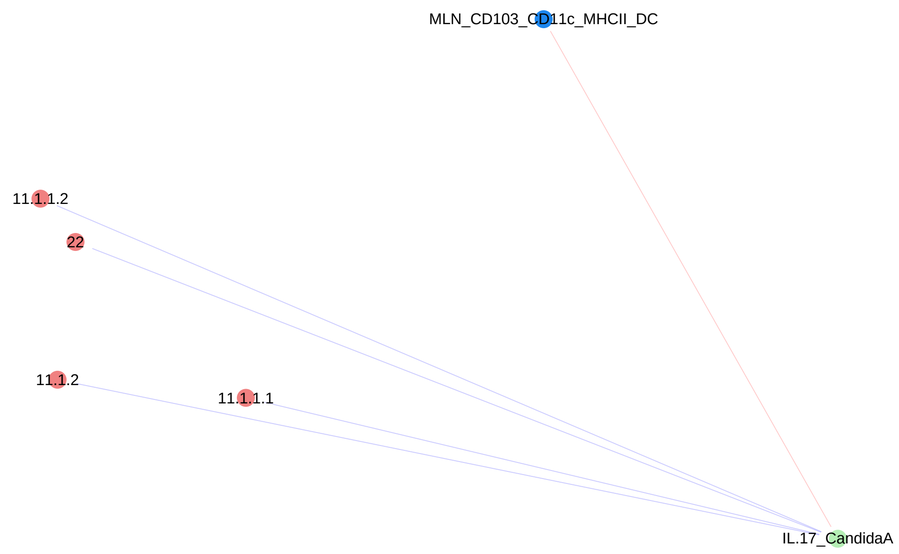

2.2.1.2.3
Log2 Value
B6
NOD2
Genotype

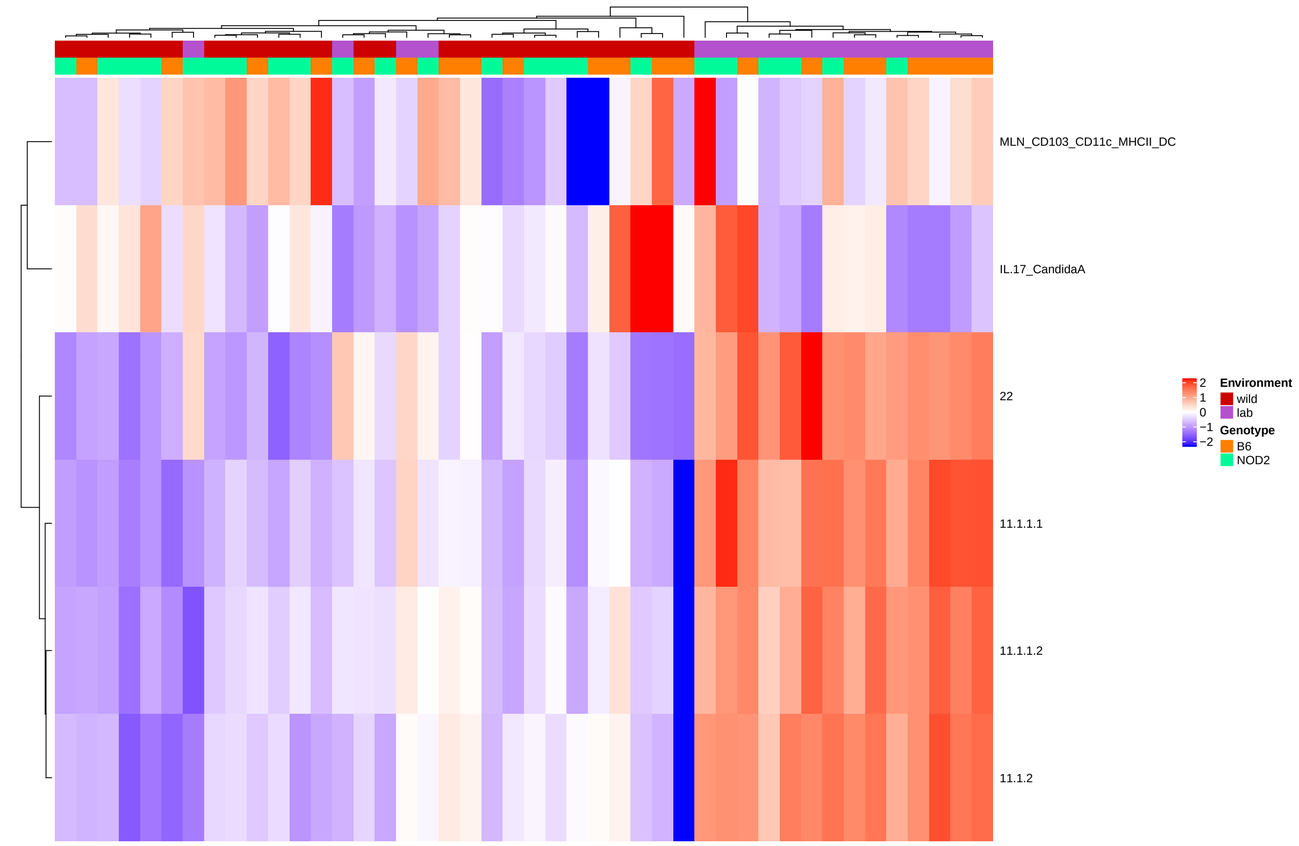

3.1.2.2.3
Log2 Value
B6
NOD2
Genotype

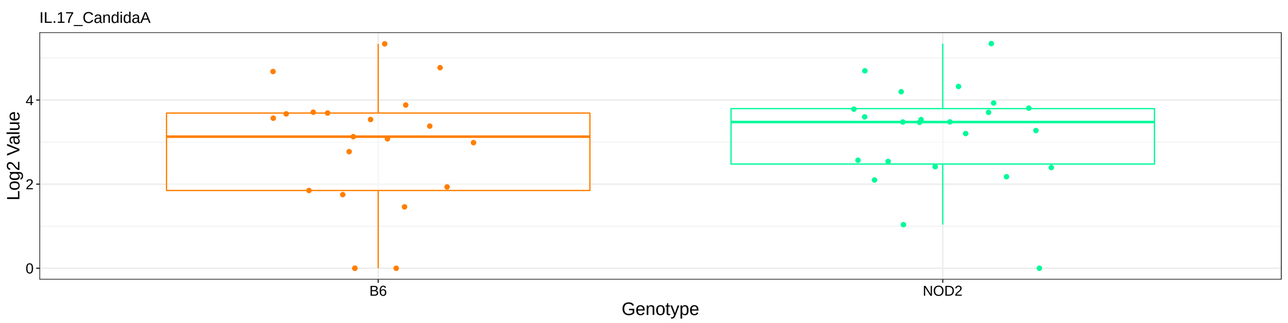

7.1.1.1.3
Log2 Value
B6
NOD2
Genotype

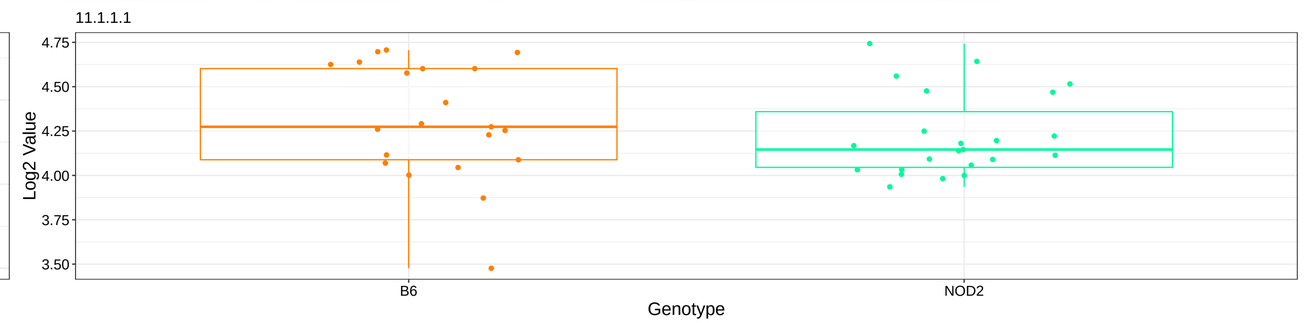

Blood_CD4_T_cells
Log2 Value
B6
NOD2
Genotype

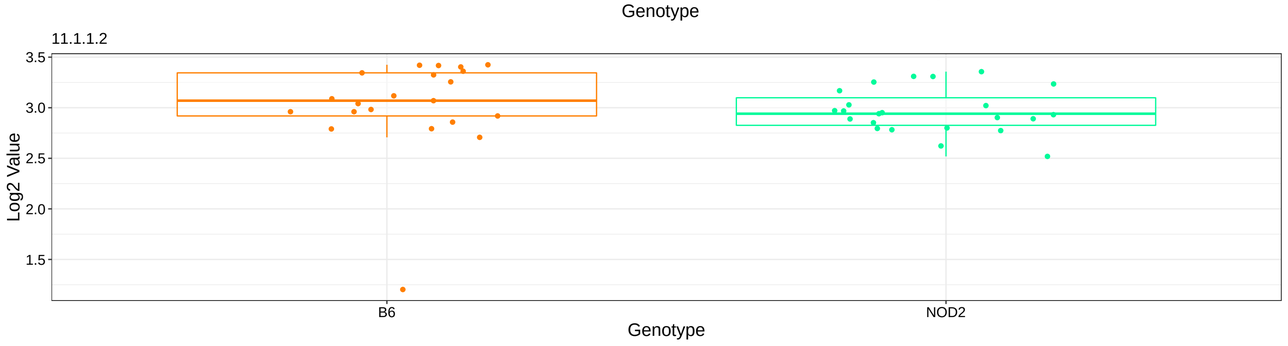

1.1.1.1.1.2.1.3
Log2 Value
B6
NOD2
Genotype

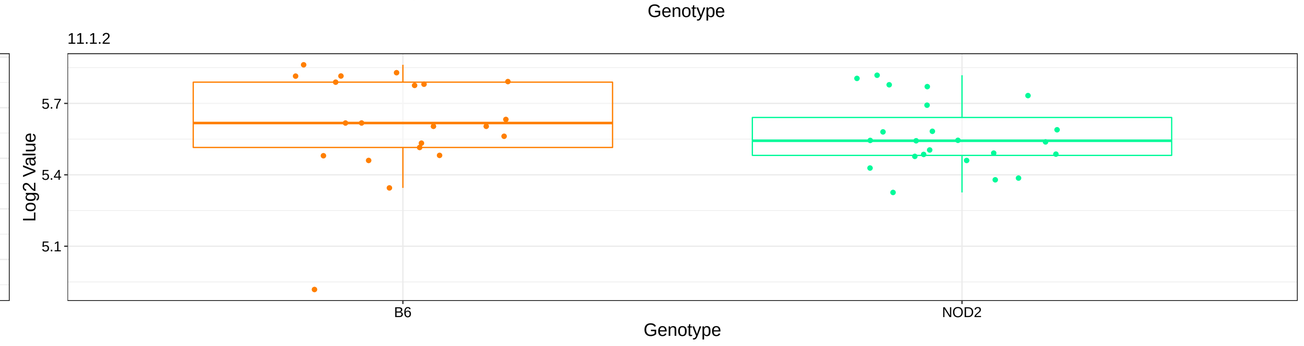

MLN_CD103_CD11c_MHCII_DC
11.1.1.2
22
11.1.2
11.1.1.1
IL.17_CandidaA

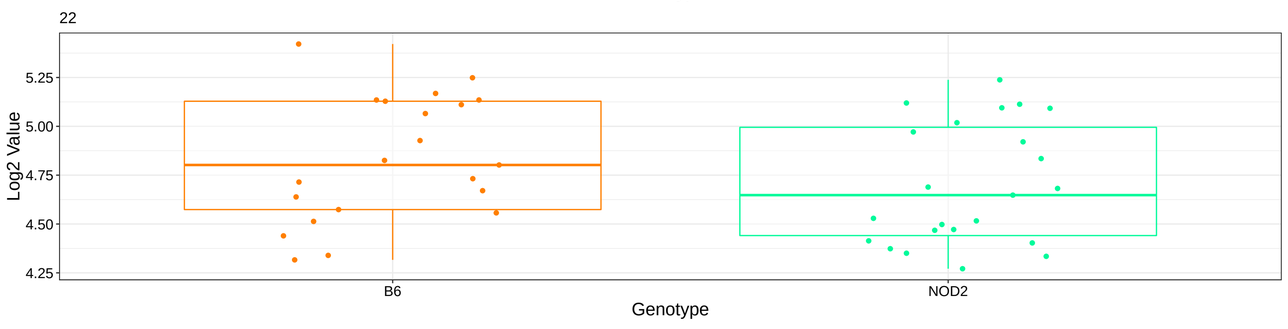

MLN_CD103_CD11c_MHCII_DC
IL.17_CandidaA
22
11.1.1.1
11.1.1.2
11.1.2
Environment
wild
lab
Genotype
B6
NOD2


IL.17_CandidaA
Log2 Value
B6
NOD2
Genotype

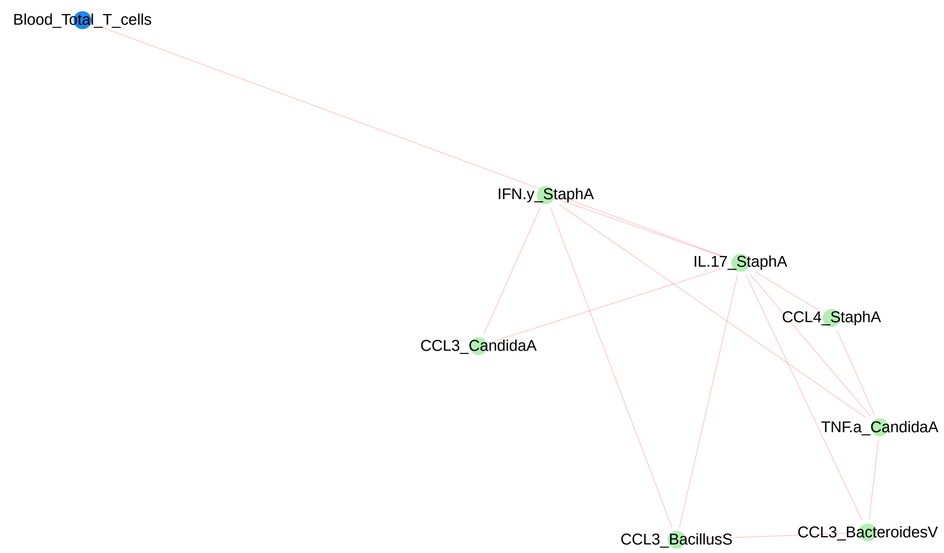

11.1.1.1
Log2 Value
B6
NOD2
Genotype

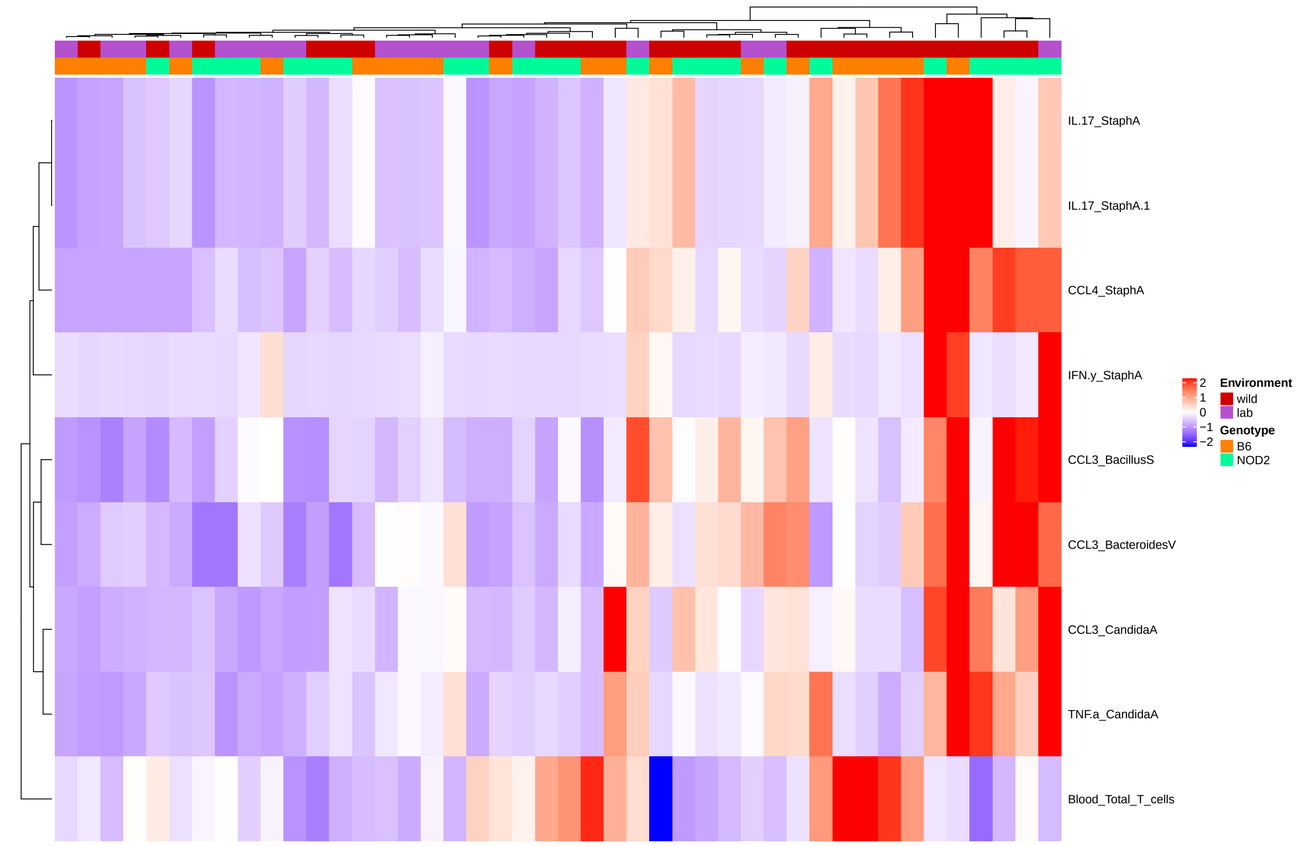

11.1.1.2
Log2 Value
B6
NOD2
Genotype

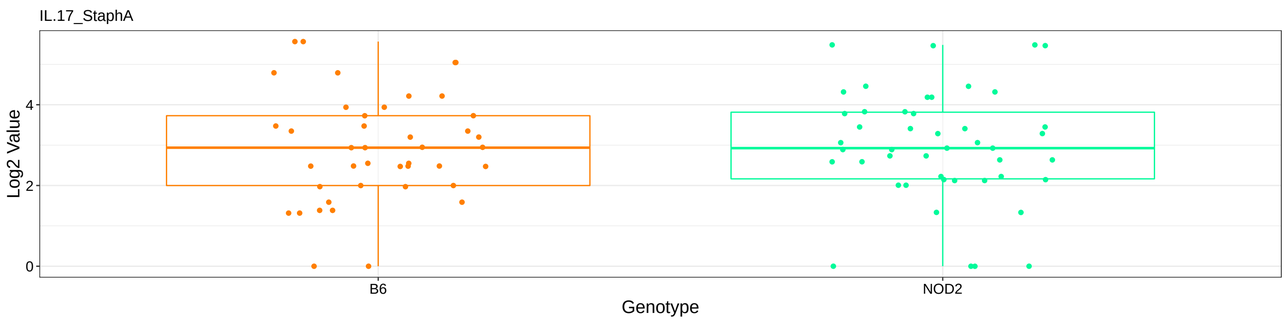

11.1.2
Log2 Value
B6
NOD2
Genotype

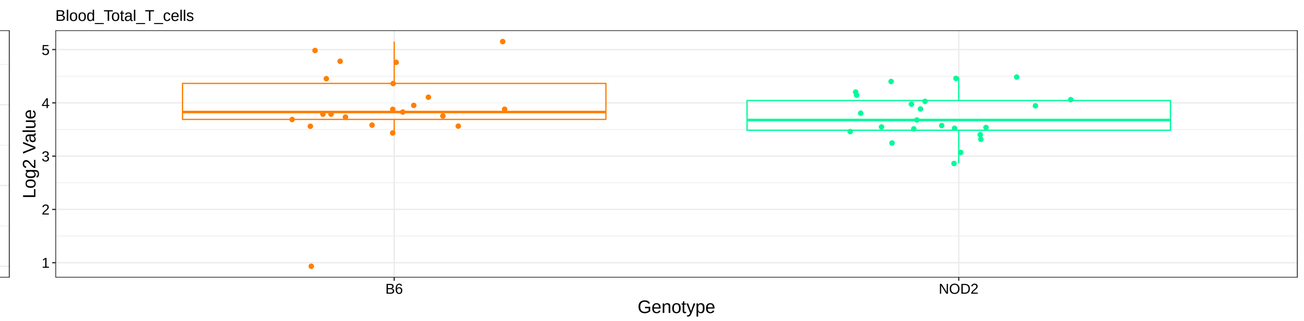

22
Log2 Value
B6
NOD2
Genotype

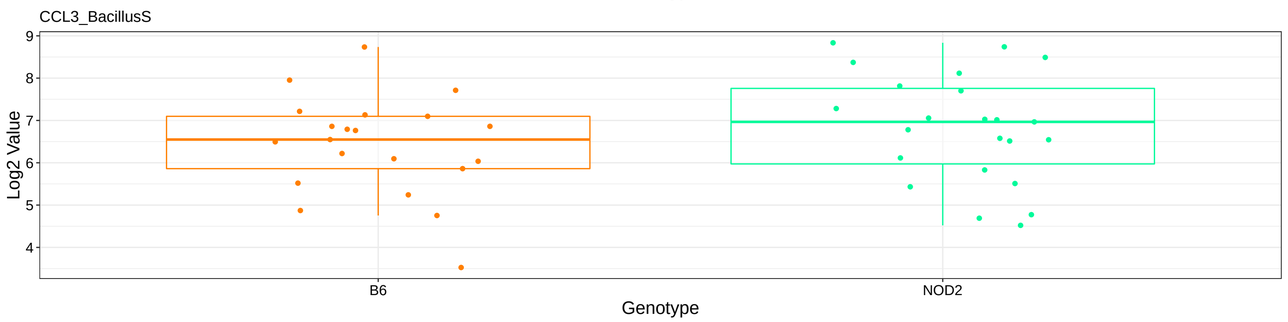
MLN_CD103_CD11c_MHCII_DC
Log2 Value
B6
NOD2
Genotype

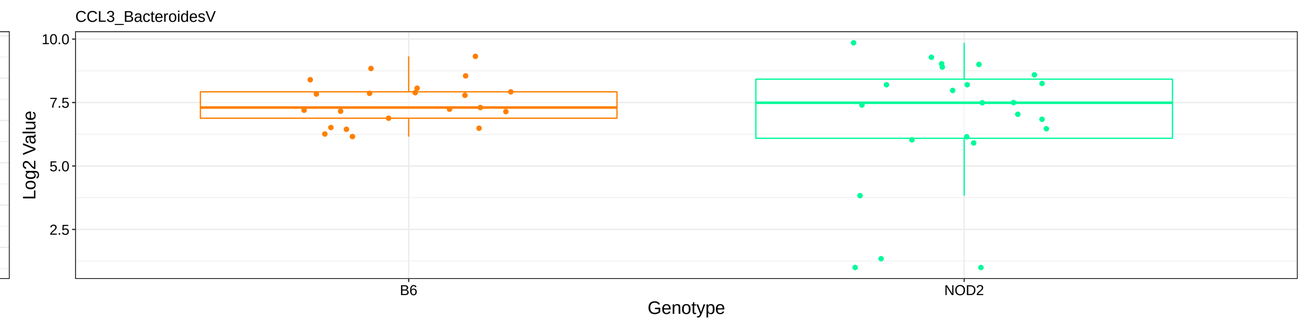

Blood_Total_T_cells
IFN.y_StaphA
IL.17_StaphA
CCL4_StaphA
CCL3_CandidaA
TNF.a_CandidaA
CCL3_BacillusS
CCL3_BacteroidesV

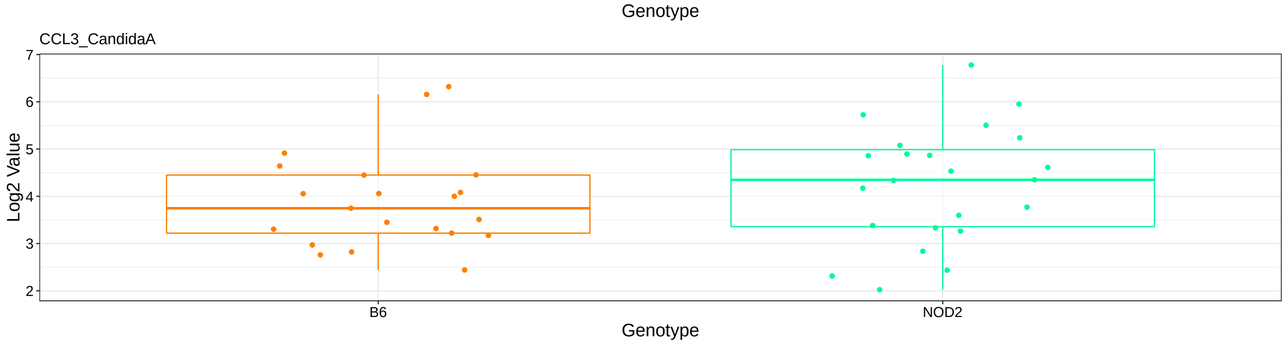

IL.17_StaphA
IL.17_StaphA.1
CCL4_StaphA
IFN.y_StaphA
CCL3_BacillusS
CCL3_BacteroidesV
CCL3_CandidaA
TNF.a_CandidaA
Blood_Total_T_cells
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

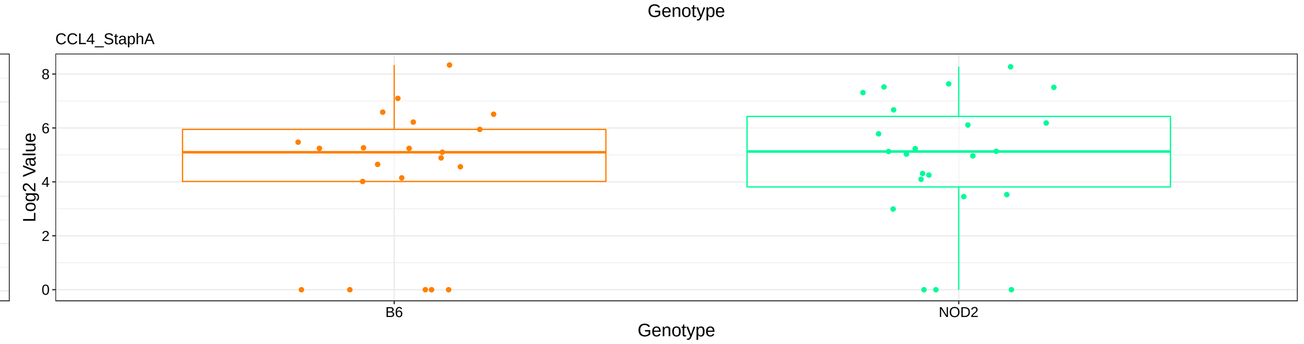

IL.17_StaphA
Log2 Value
B6
NOD2
Genotype

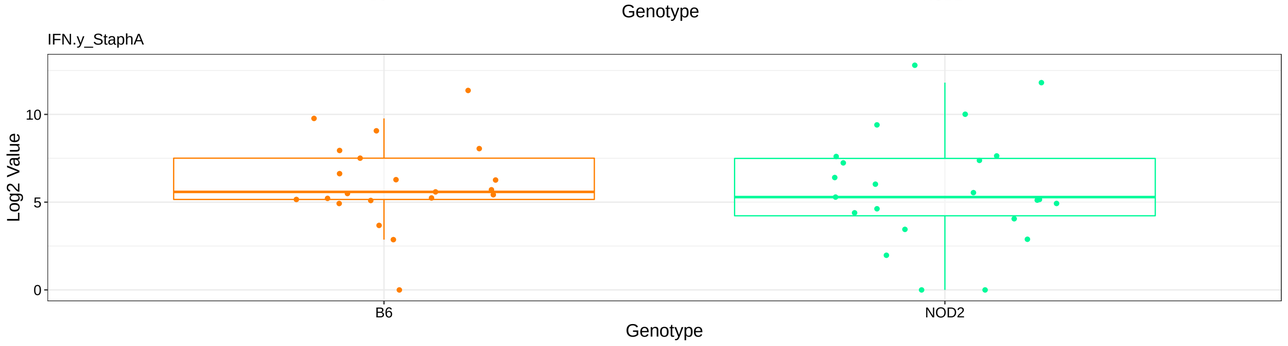

Blood_Total_T_cells
Log2 Value
B6
NOD2
Genotype

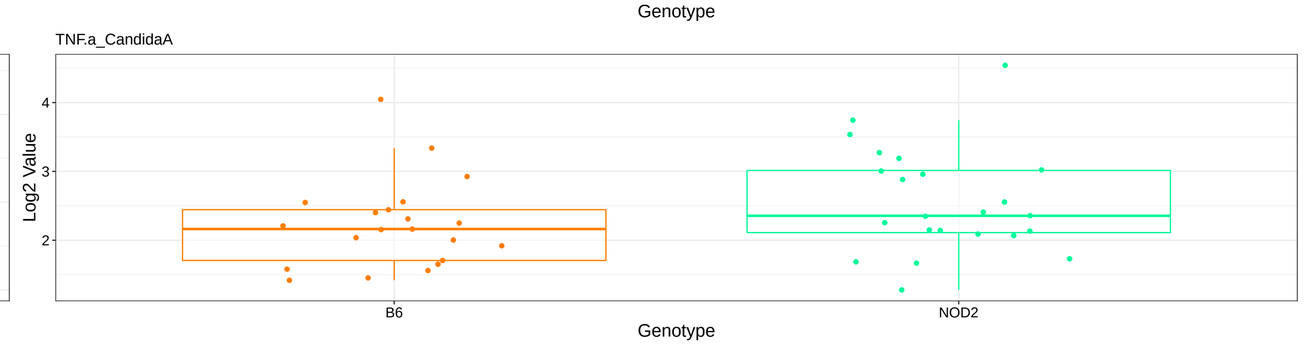

CCL3_BacillusS
Log2 Value
B6
NOD2
Genotype

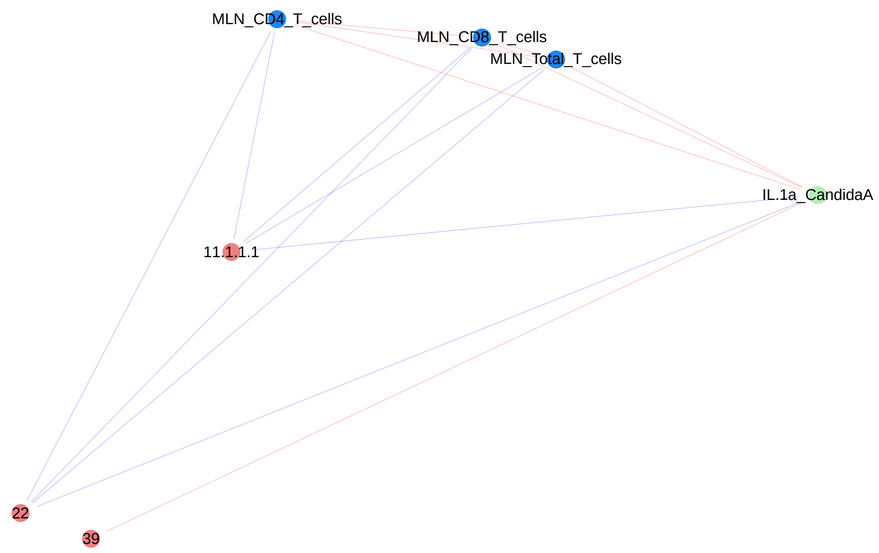

CCL3_BacteroidesV
Log2 Value
B6
NOD2
Genotype

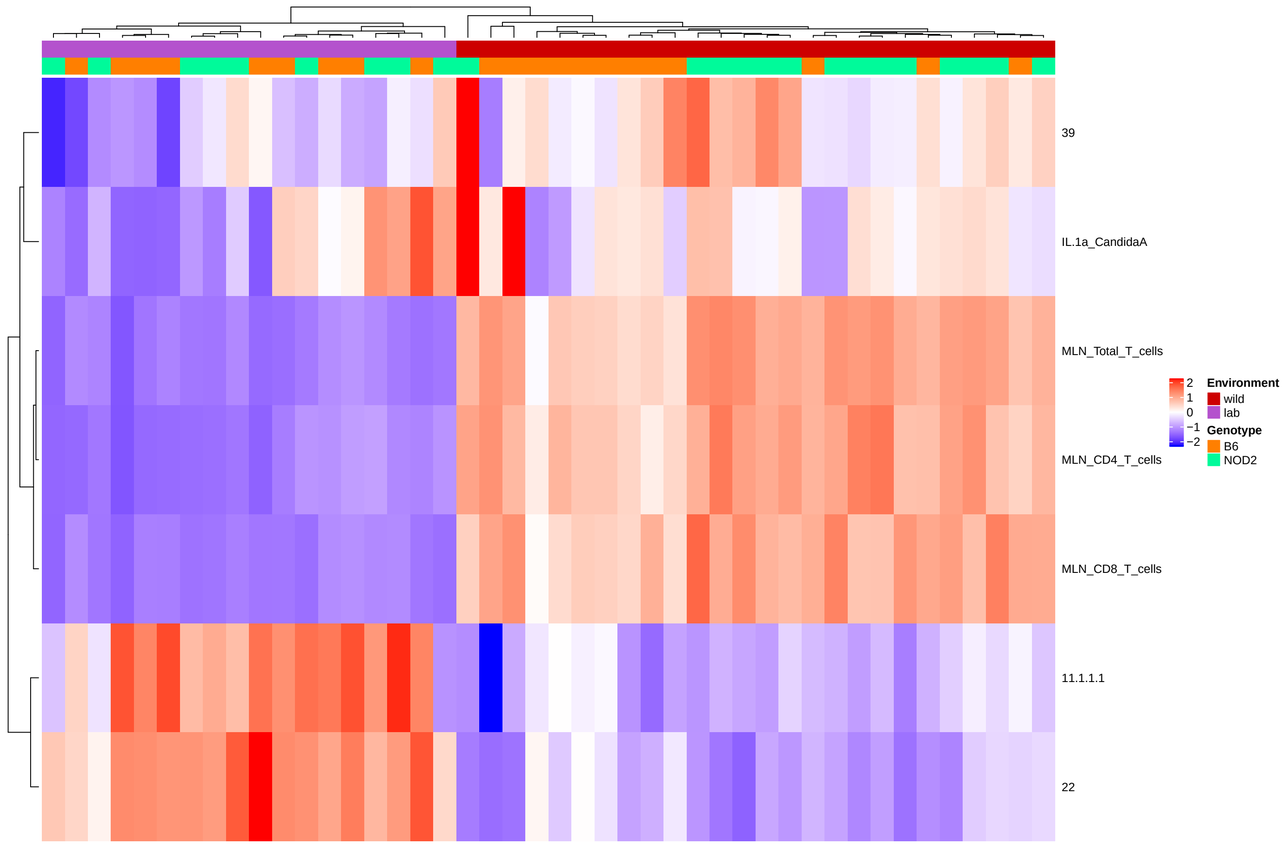

CCL3_CandidaA
Log2 Value
B6
NOD2
Genotype

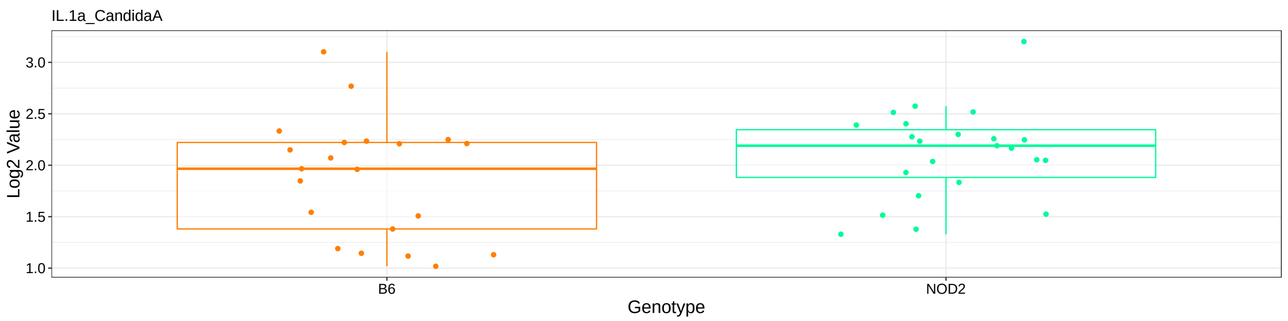

CCL4_StaphA
Log2 Value
B6
NOD2
Genotype

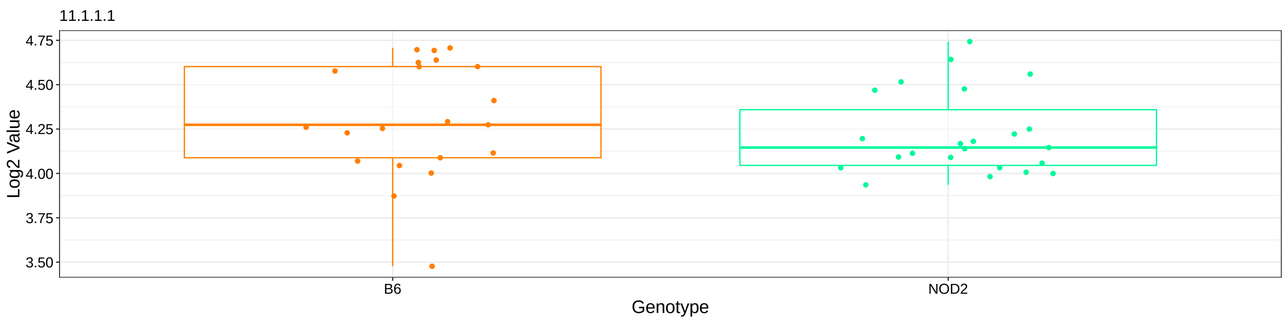

IFN.y_StaphA
Log2 Value
B6
NOD2
Genotype

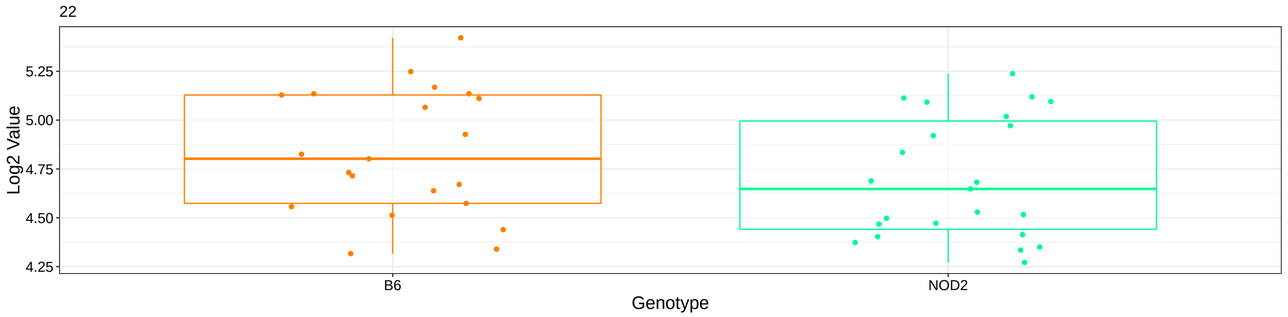

TNF.a_CandidaA
Log2 Value
B6
NOD2
Genotype

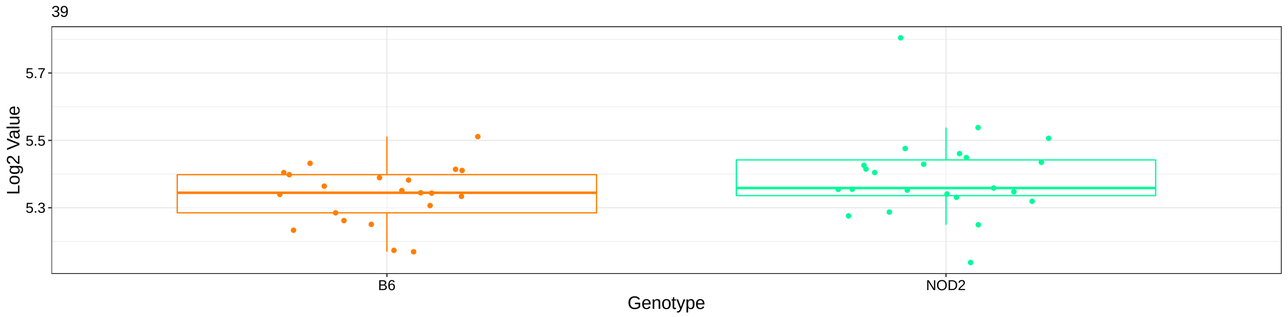

MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_T_cells
IL.1a_CandidaA
11.1.1.1
22
39

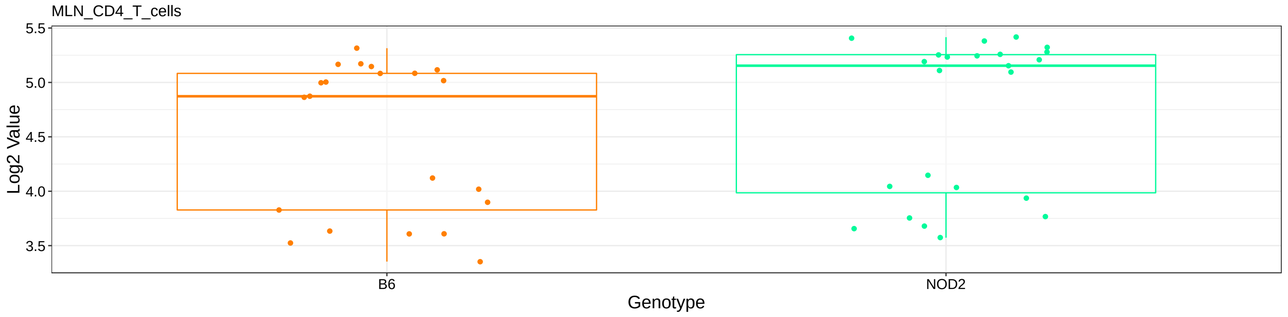

39
IL.1a_CandidaA
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
11.1.1.1
22
Environment
wild
lab
Genotype
B6
NOD2

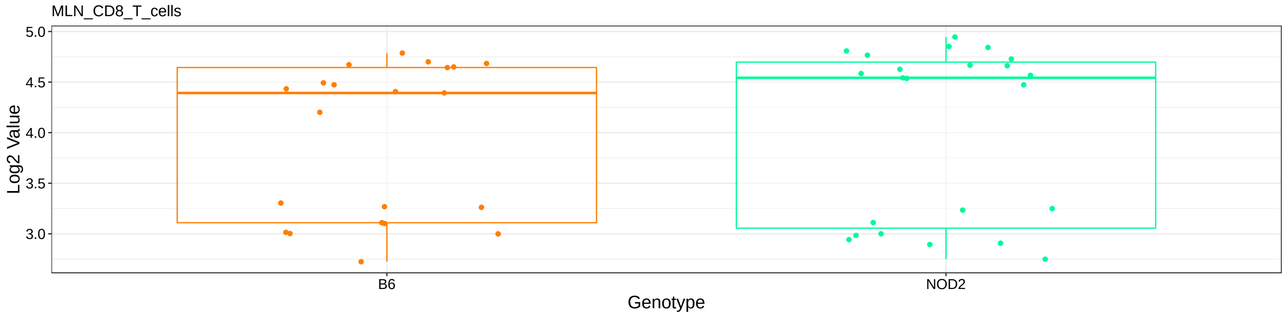

IL.1a_CandidaA
Log2 Value
Genotype
B6
NOD2

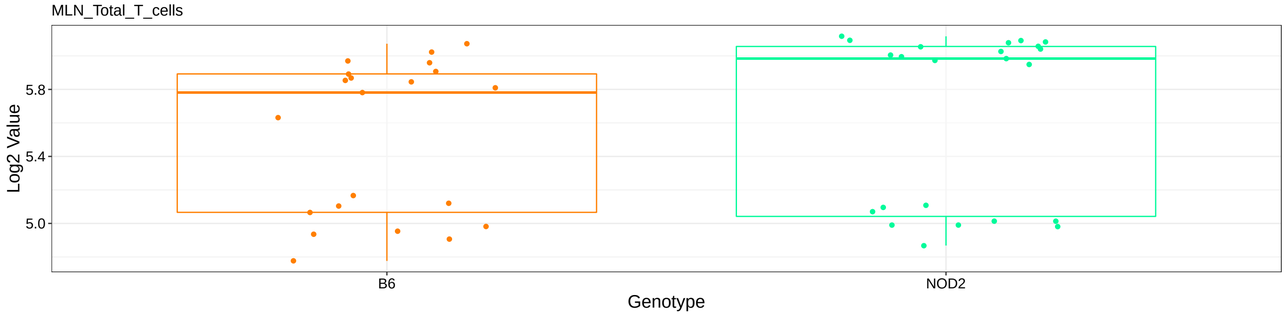

11.1.1.1
Log2 Value
Genotype
B6
NOD2

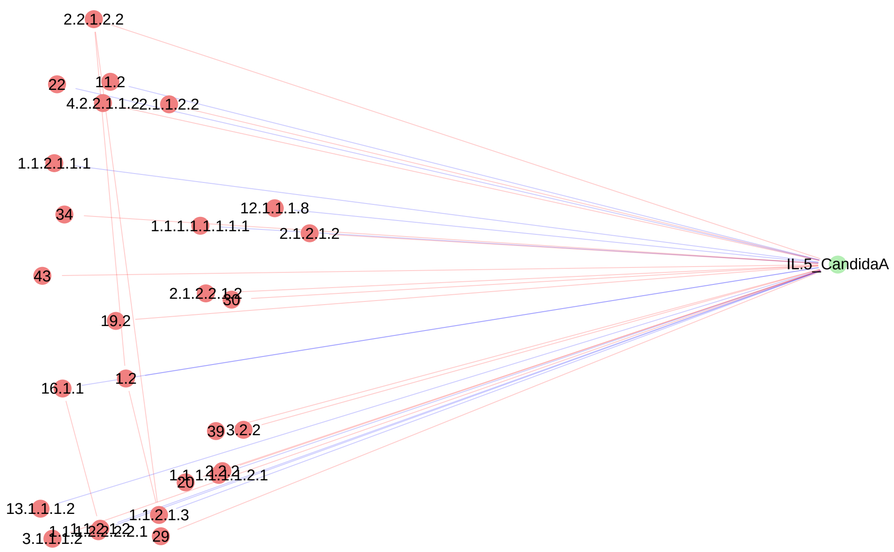

22
Log2 Value
Genotype
B6
NOD2

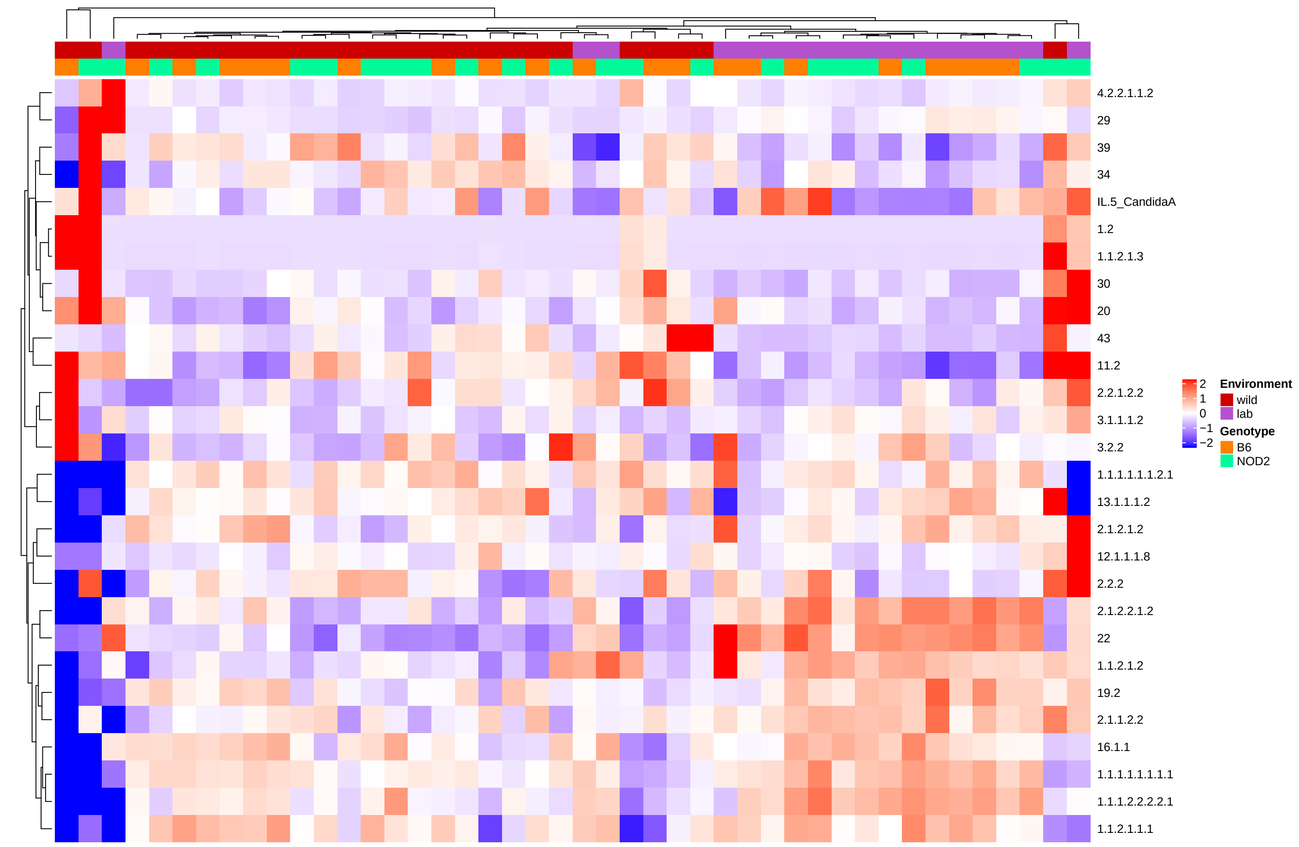

39
Log2 Value
Genotype
B6
NOD2

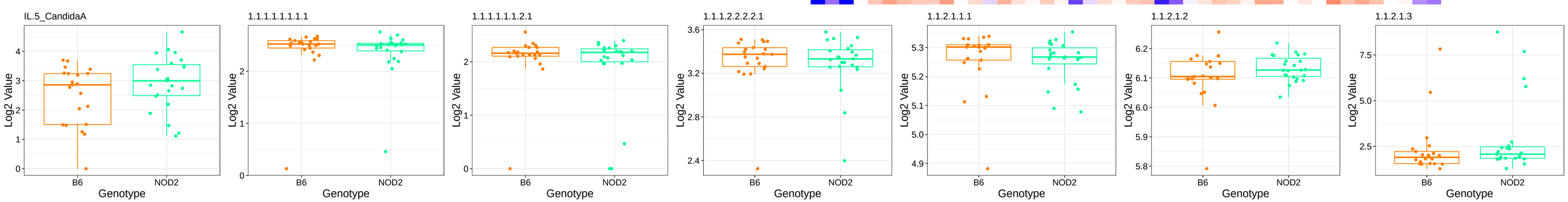

MLN_CD4_T_cells
Log2 Value
Genotype
B6
NOD2

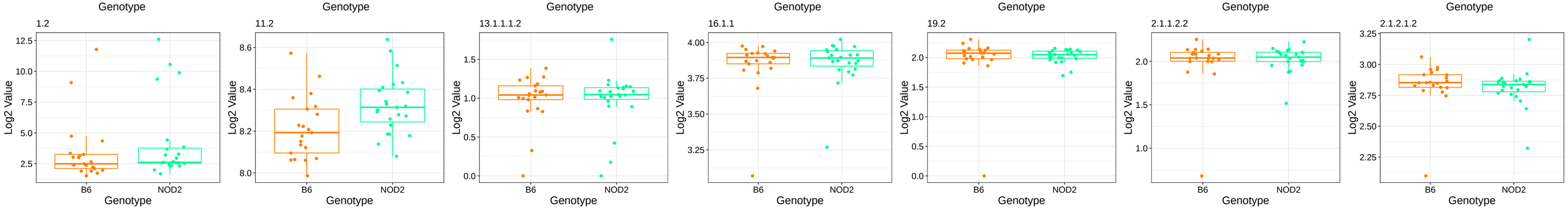

MLN_CD8_T_cells
Log2 Value
Genotype
B6
NOD2

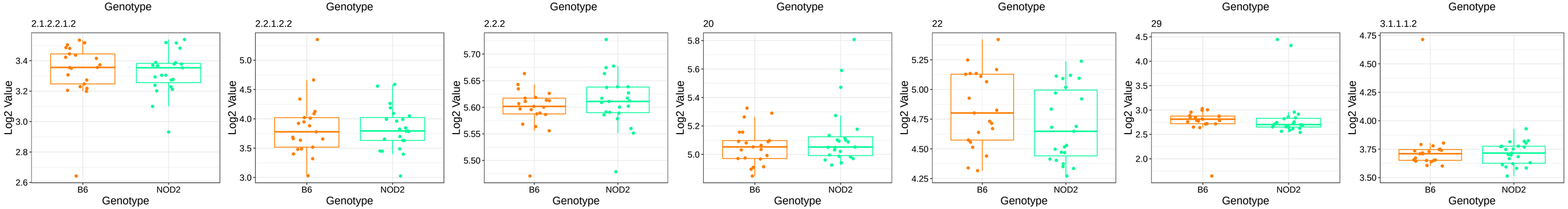

MLN_Total_T_cells
Log2 Value
Genotype
B6
NOD2

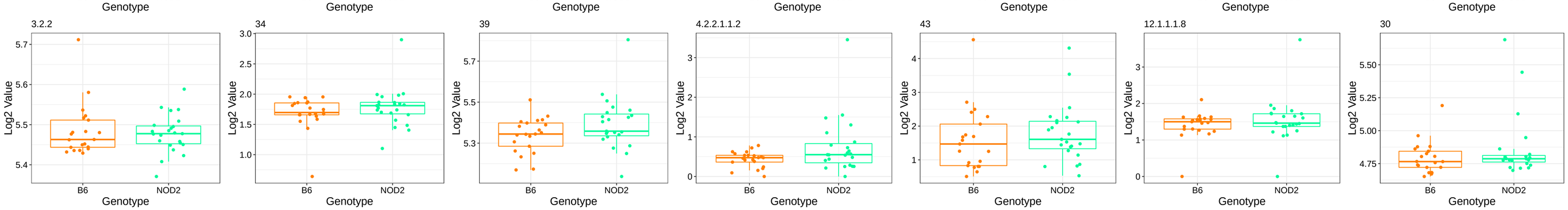

IL.5_CandidaA
2.2.1.2.2
22
11.2
4.2.2.1.1.2
2.1.1.2.2
1.1.2.1.1.1
34
12.1.1.1.8
1.1.1.1.1.1.1.1
2.1.2.1.2
43
2.1.2.2.1.2
30
19.2
16.1.1
1.2
39
3.2.2
20
13.1.1.1.2
1.1.2.1.3
29

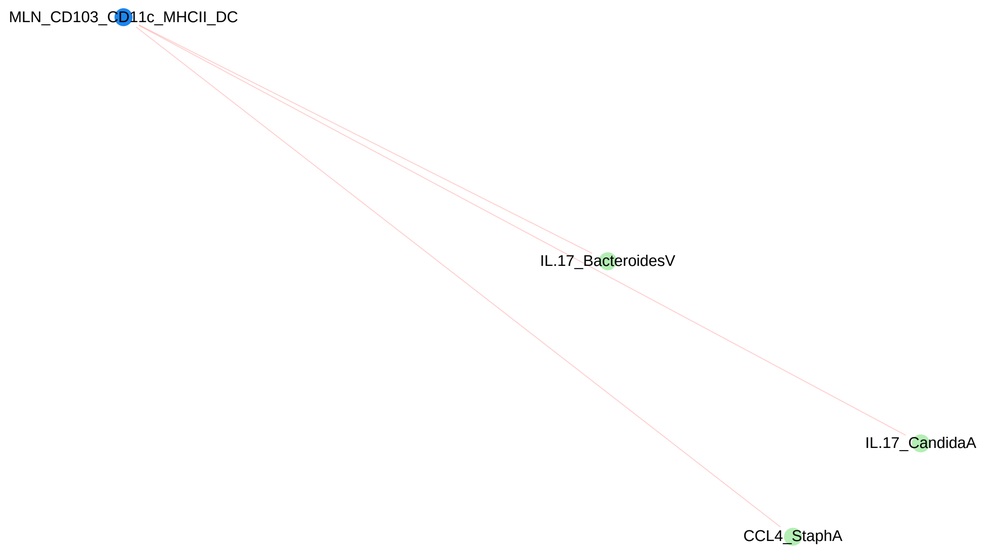

4.2.2.1.1.2
29
39
34
IL.5_CandidaA
1.2
1.1.2.1.3
30
20
43
11.2
2.2.1.2.2
3.1.1.1.2
3.2.2
1.1.1.1.1.1.2.1
13.1.1.1.2
2.1.2.1.2
12.1.1.1.8
2.2.2
2.1.2.2.1.2
22
1.1.2.1.2
19.2
2.1.1.2.2
16.1.1
1.1.1.1.1.1.1.1
1.1.1.2.2.2.2.1
1.1.2.1.1.1
Environment
wild
lab
Genotype
B6
NOD2

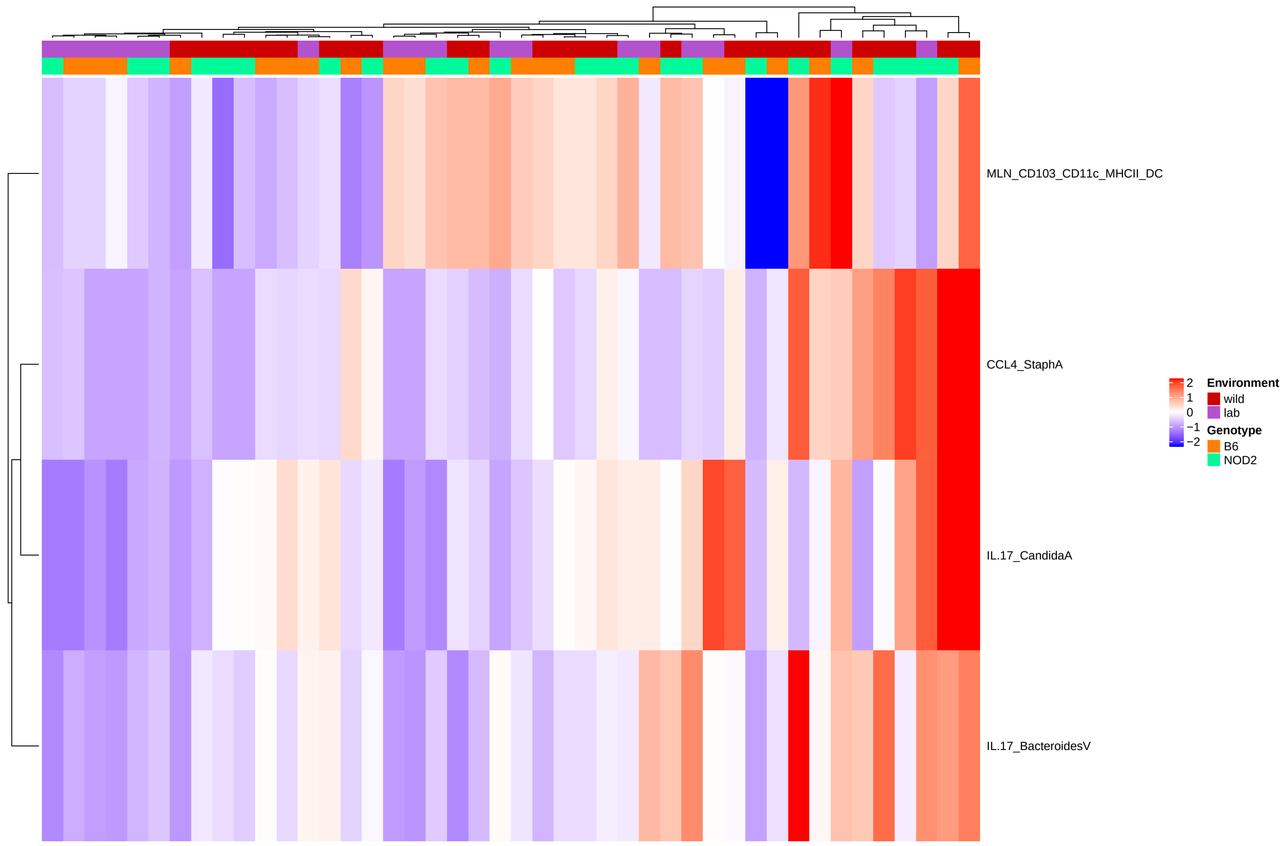

IL.5_CandidaA
1.1.1.1.1.1.1.1
1.1.1.1.1.1.2.1
1.1.1.2.2.2.2.1
1.1.2.1.1.1
1.1.2.1.2
1.1.2.1.3
Log2 Value
B6
NOD2
Genotype


1.2
11.2
13.1.1.1.2
16.1.1
19.2
2.1.1.2.2
2.1.2.1.2
Log2 Value
B6
NOD2
Genotype

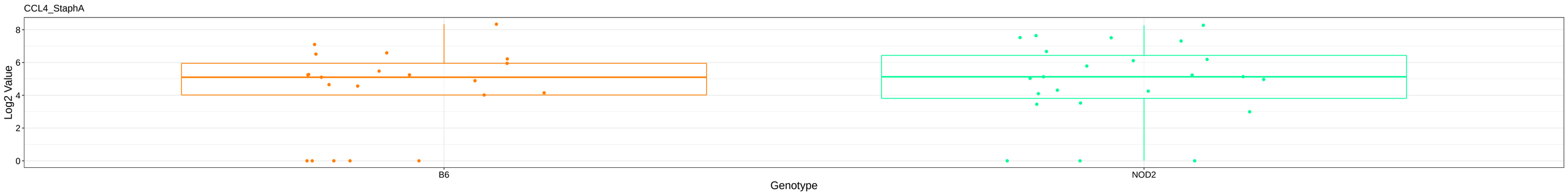

2.1.2.2.1.2
2.2.1.2.2
2.2.2
20
22
29
3.1.1.1.2
Log2 Value
B6
NOD2
Genotype

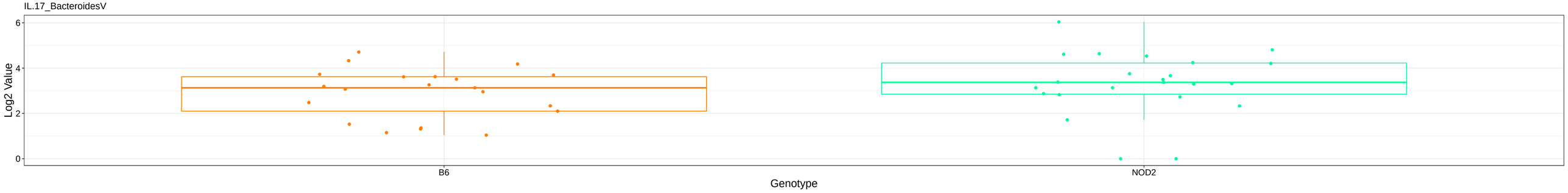

3.2.2
34
39
4.2.2.1.1.2
43
12.1.1.1.8
30
Log2 Value
B6
NOD2
Genotype

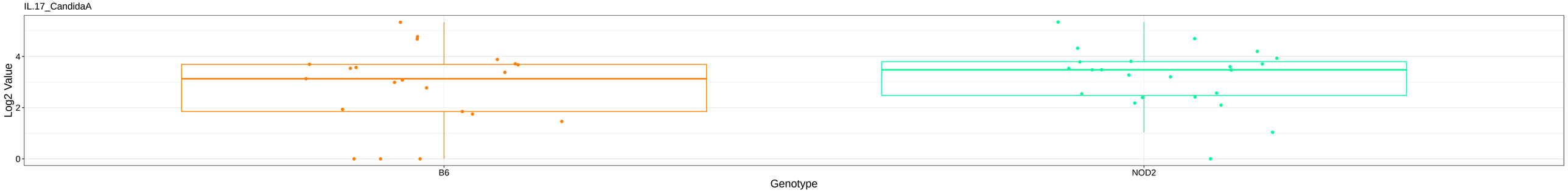

MLN_CD103_CD11c_MHCII_DC
IL.17_BacteroidesV
IL.17_CandidaA
CCL4_StaphA

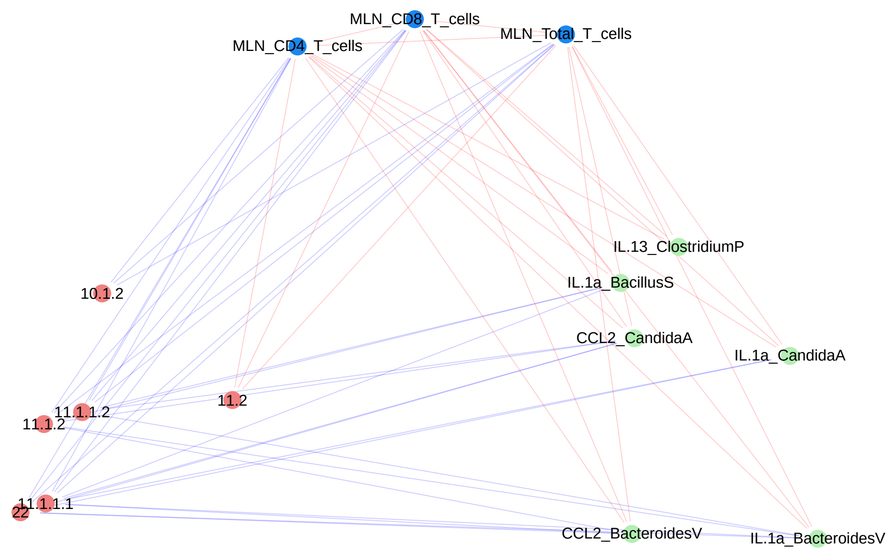

MLN_CD103_CD11c_MHCII_DC
CCL4_StaphA
IL.17_CandidaA
IL.17_BacteroidesV
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2

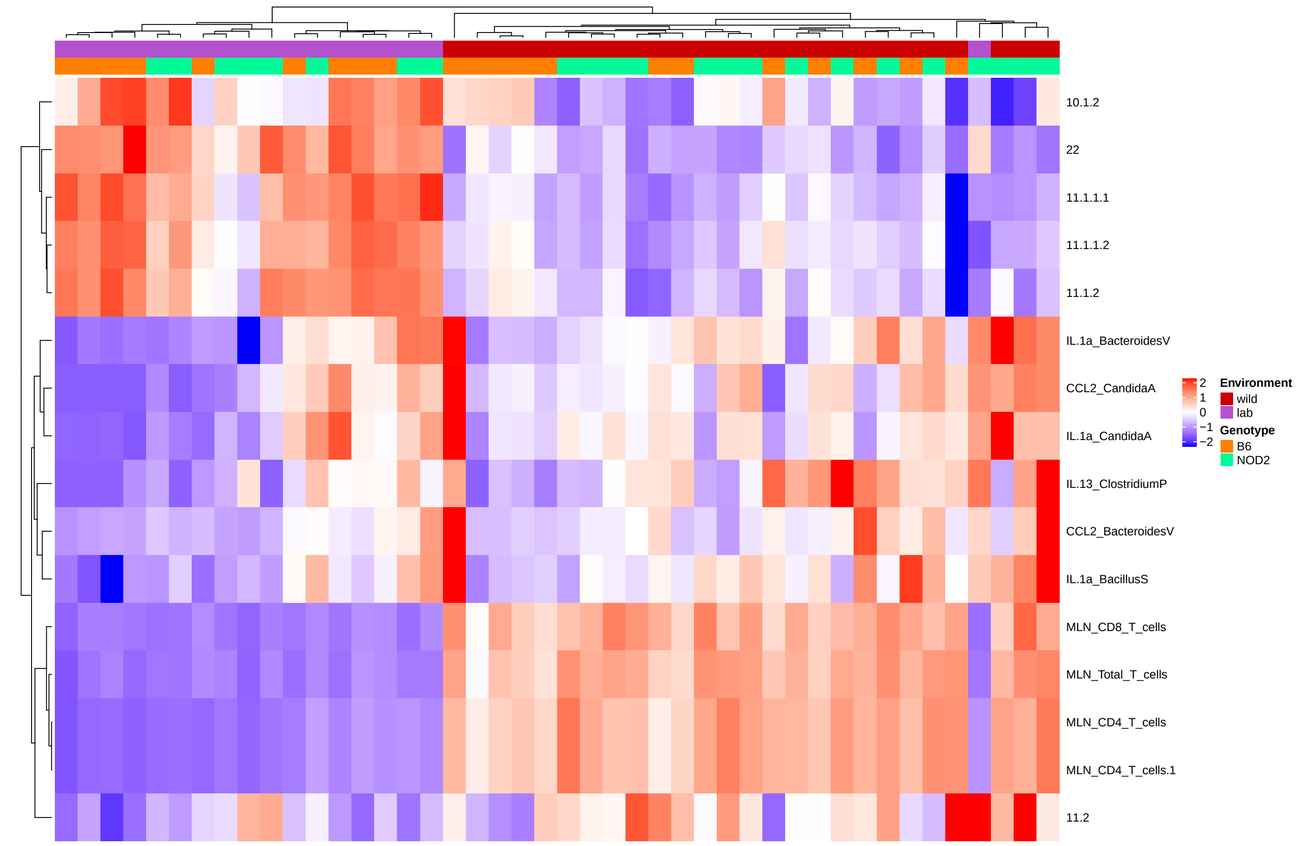
MLN_CD103_CD11c_MHCII_DC
Log2 Value
0.6
0.4
0.2
0.0
B6
NOD2
Genotype

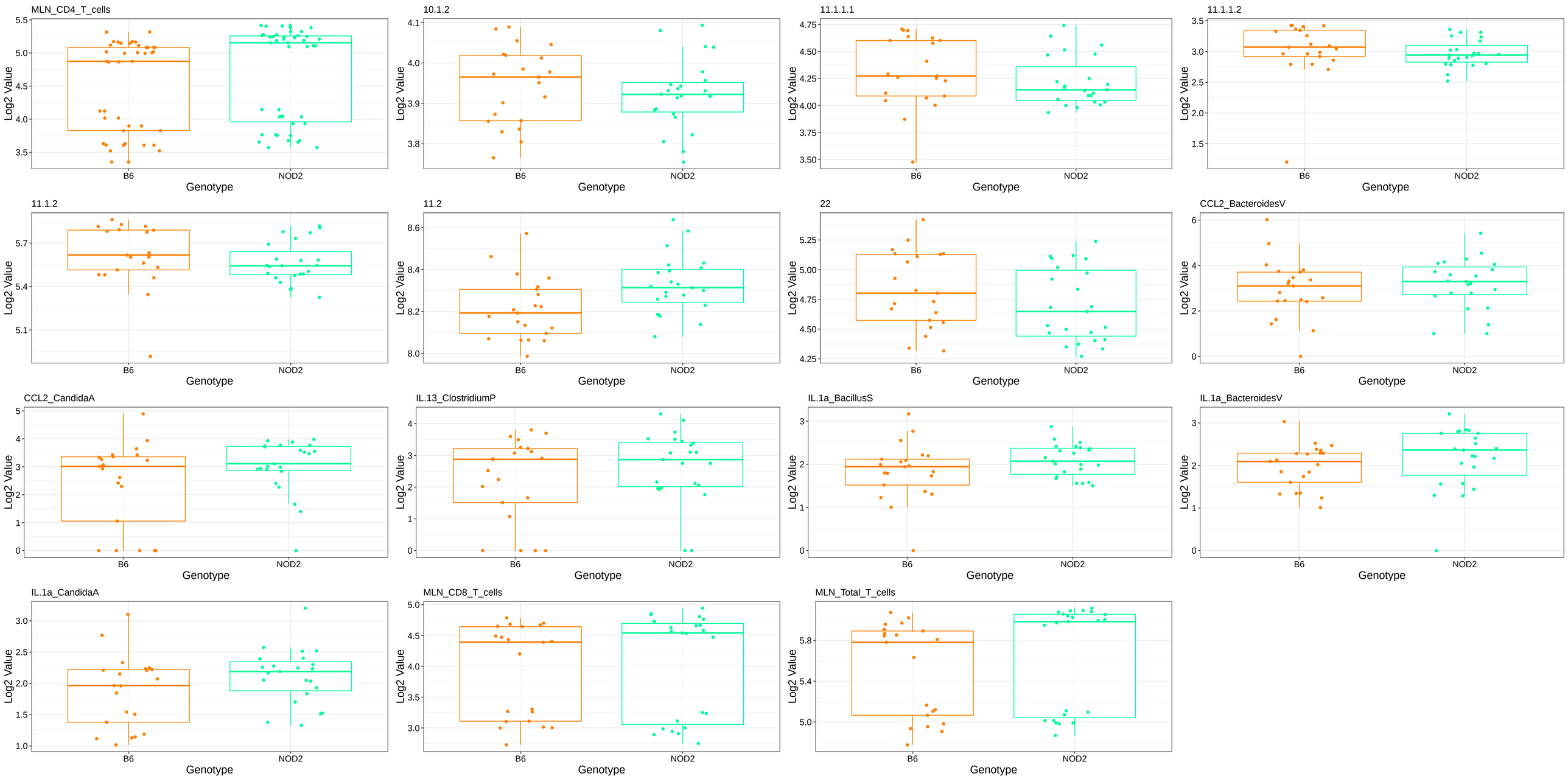

CCL4_StaphA
Log2 Value
8
6
4
2
0
B6
NOD2
Genotype

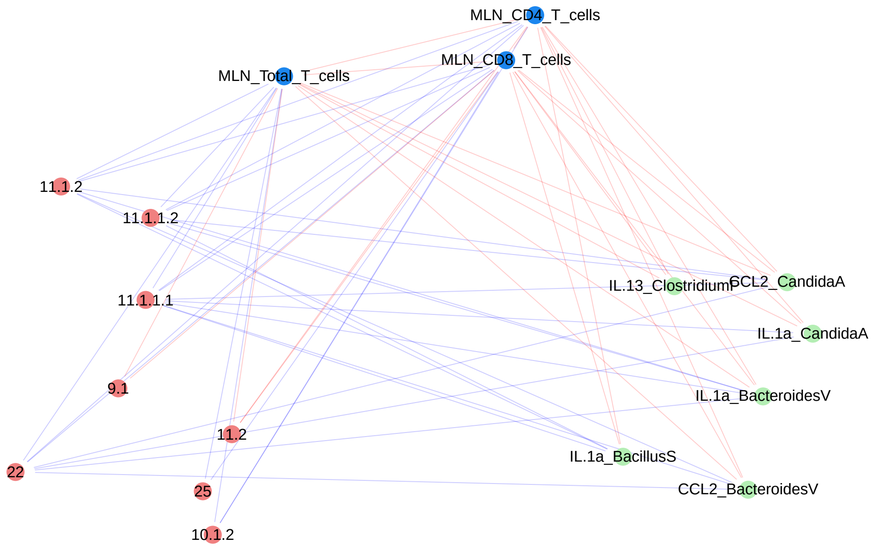

IL.17_BacteroidesV
Log2 Value
6
4
2
0
B6
NOD2
Genotype

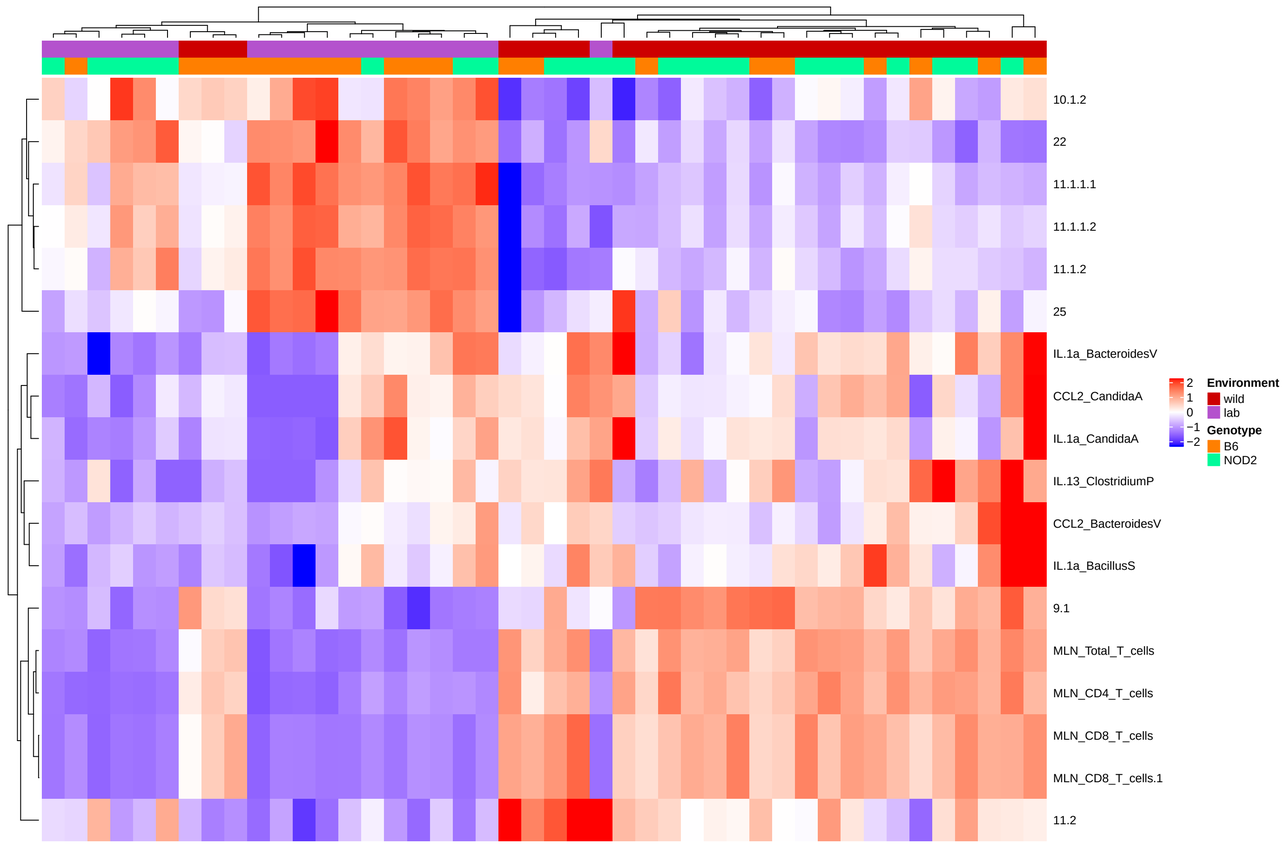

IL.17_CandidaA
Log2 Value
4
2
0
B6
NOD2
Genotype

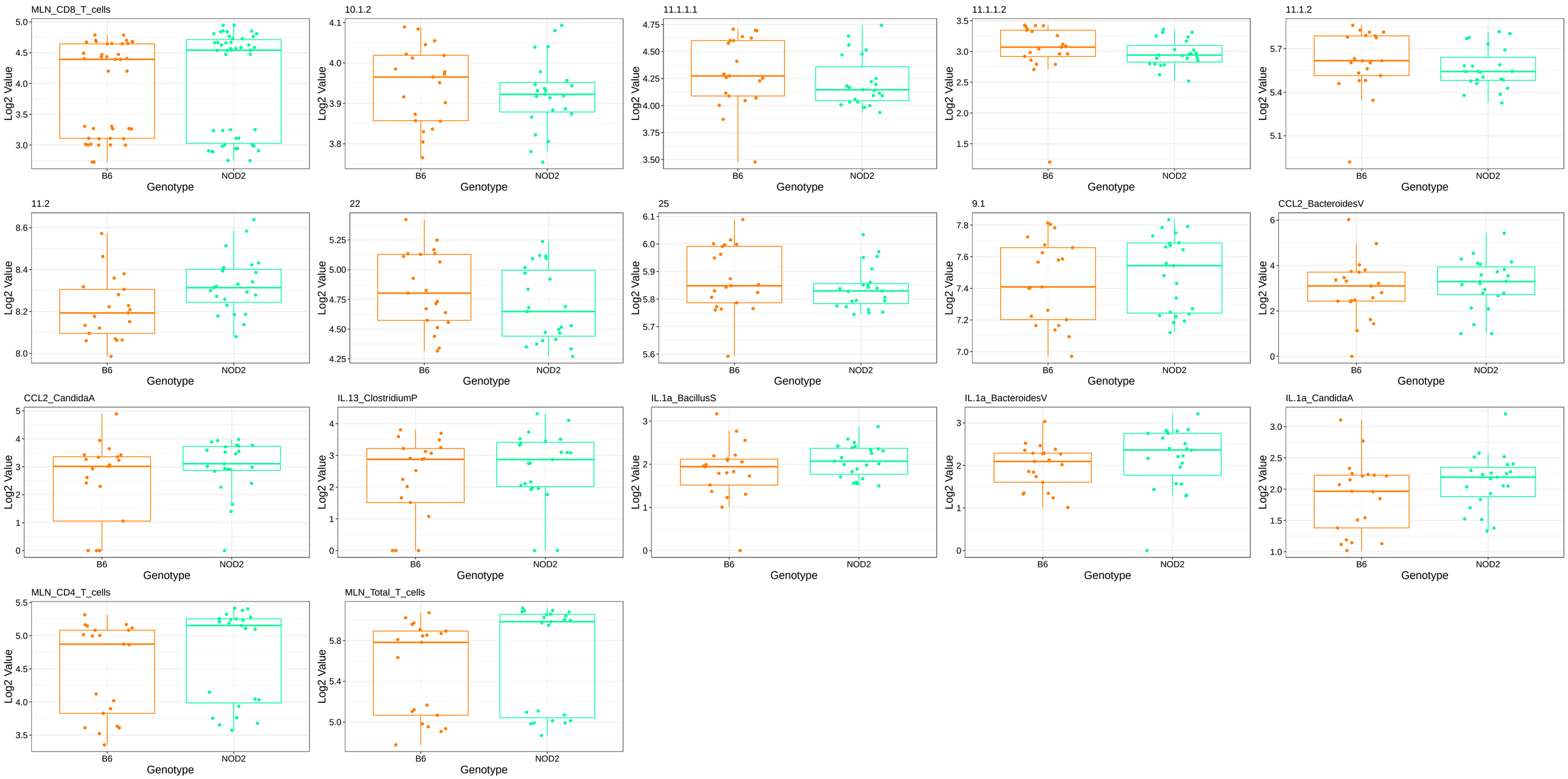

MLN_CD8_T_cells
MLN_CD4_T_cells
MLN_Total_T_cells
IL.13_ClostridiumP
IL.1a_BacillusS
10.1.2
CCL2_CandidaA
IL.1a_CandidaA
11.2
11.1.1.2
11.1.2
11.1.1.1
22
CCL2_BacteroidesV
IL.1a_BacteroidesV

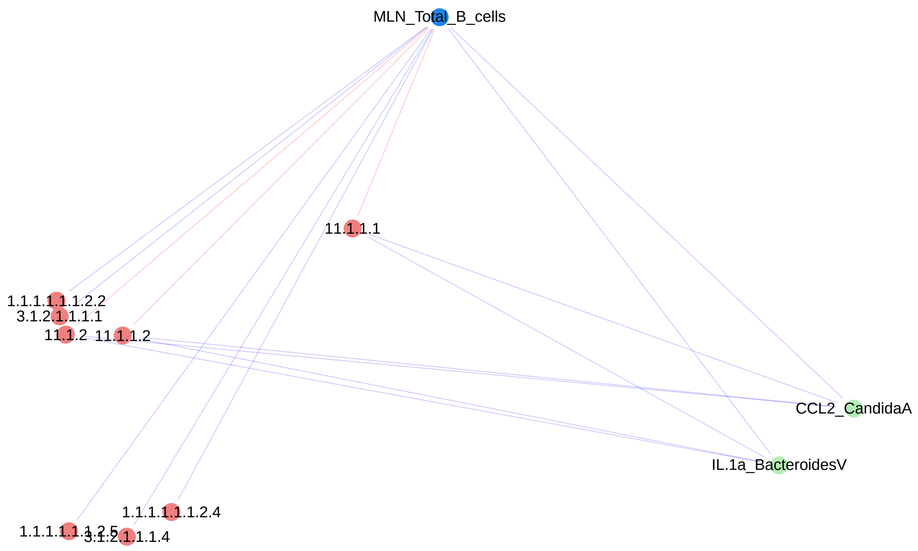

10.1.2
22
11.1.1.1
11.1.1.2
11.1.2
IL.1a_BacteroidesV
CCL2_CandidaA
IL.1a_CandidaA
IL.13_ClostridiumP
CCL2_BacteroidesV
IL.1a_BacillusS
MLN_CD8_T_cells
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD4_T_cells.1
11.2
Environment
wild
lab
Genotype
B6
NOD2

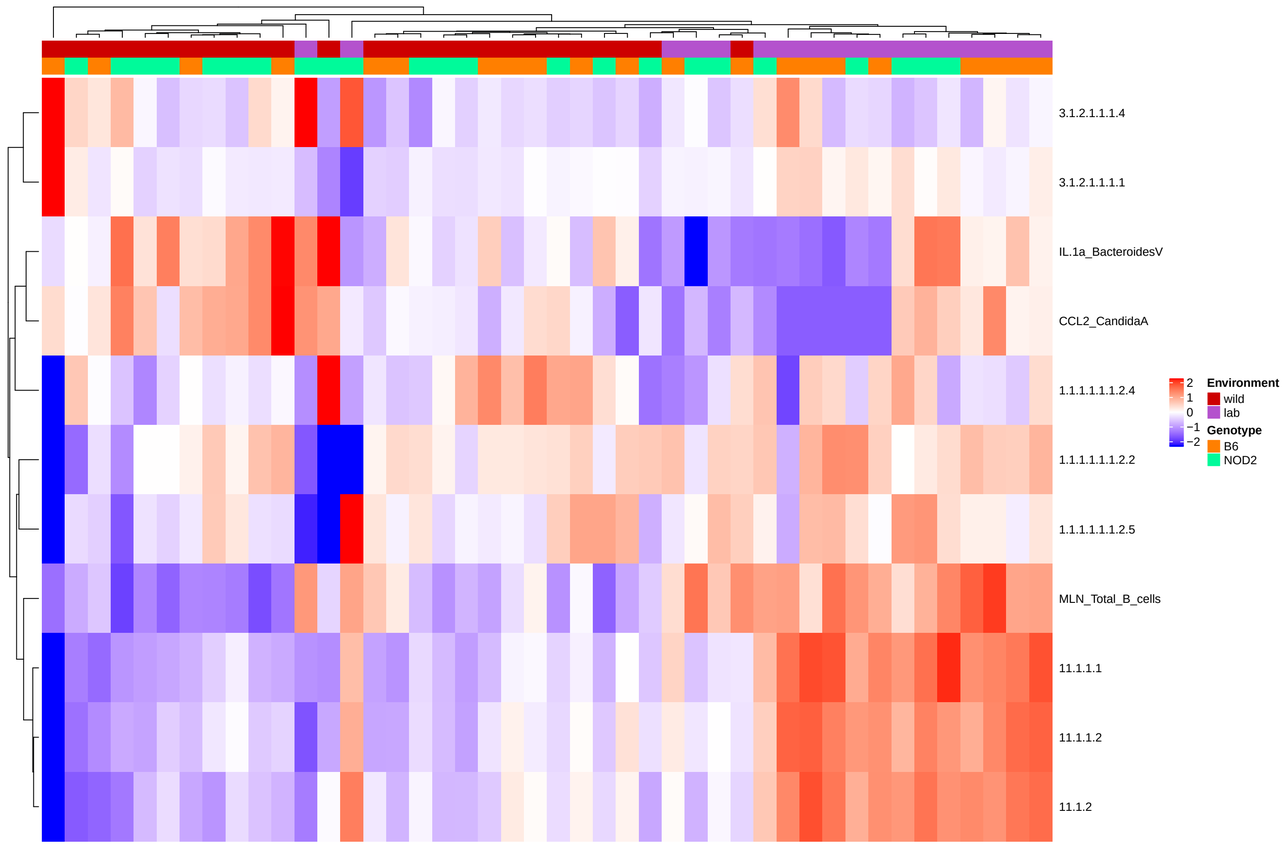

MLN_CD4_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD8_T_cells
MLN_Total_T_cells
Log2 Value
Genotype
B6
NOD2

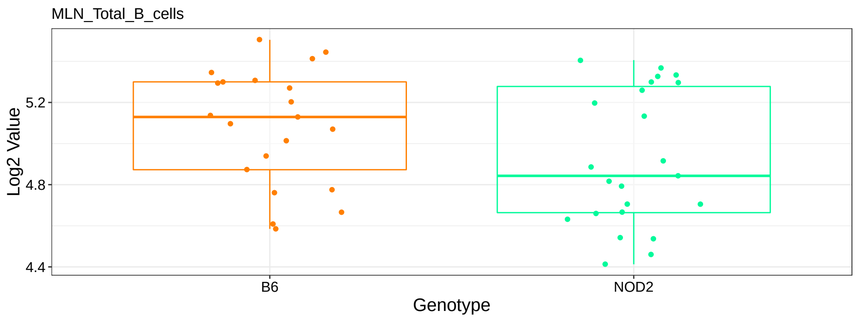

MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_T_cells
11.1.2
11.1.1.2
11.1.1.1
9.1
11.2
22
25
10.1.2
IL.13_ClostridiumP
CCL2_CandidaA
IL.1a_CandidaA
IL.1a_BacteroidesV
IL.1a_BacillusS
CCL2_BacteroidesV

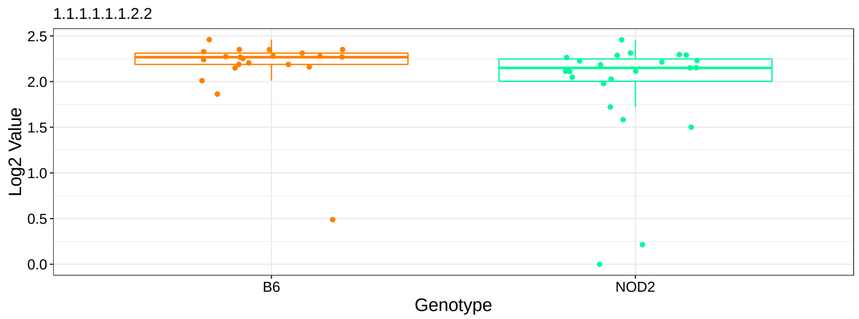

10.1.2
22
11.1.1.1
11.1.1.2
11.1.2
25
IL.1a_BacteroidesV
CCL2_CandidaA
IL.1a_CandidaA
IL.13_ClostridiumP
CCL2_BacteroidesV
IL.1a_BacillusS
9.1
MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_CD8_T_cells.1
11.2
Environment
wild
lab
Genotype
B6
NOD2

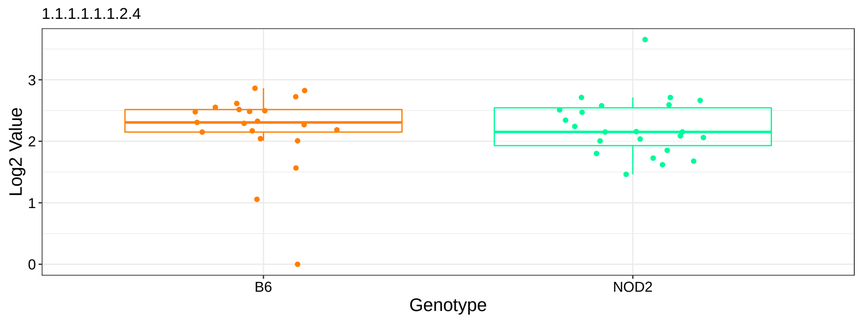

MLN_CD8_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
25
9.1
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD4_T_cells
MLN_Total_T_cells
Log2 Value
Genotype
B6
NOD2

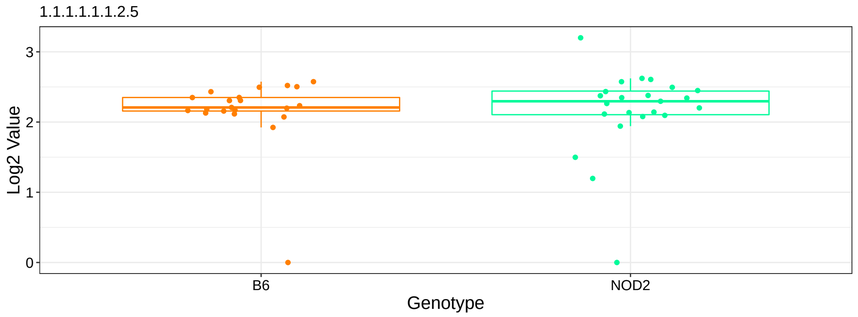

MLN_Total_B_cells
11.1.1.1
1.1.1.1.1.1.2.2
3.1.2.1.1.1.1
11.1.2
11.1.1.2
CCL2_CandidaA
IL.1a_BacteroidesV
1.1.1.1.1.1.2.4
1.1.1.1.1.1.2.5
3.1.2.1.1.1.4

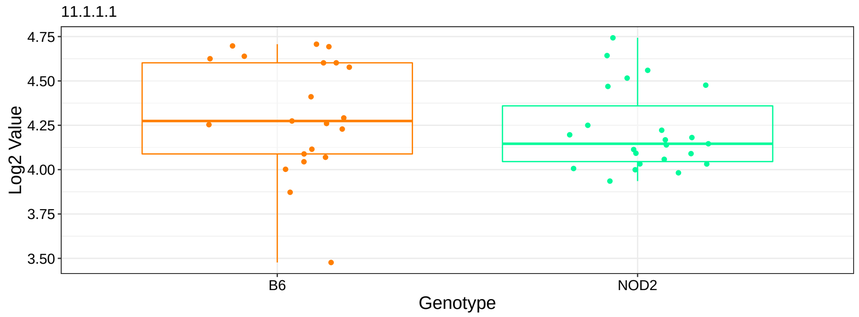

3.1.2.1.1.1.4
3.1.2.1.1.1.1
IL.1a_BacteroidesV
CCL2_CandidaA
1.1.1.1.1.1.2.4
1.1.1.1.1.1.2.2
1.1.1.1.1.1.2.5
MLN_Total_B_cells
11.1.1.1
11.1.1.2
11.1.2
Environment
wild
lab
Genotype
B6
NOD2

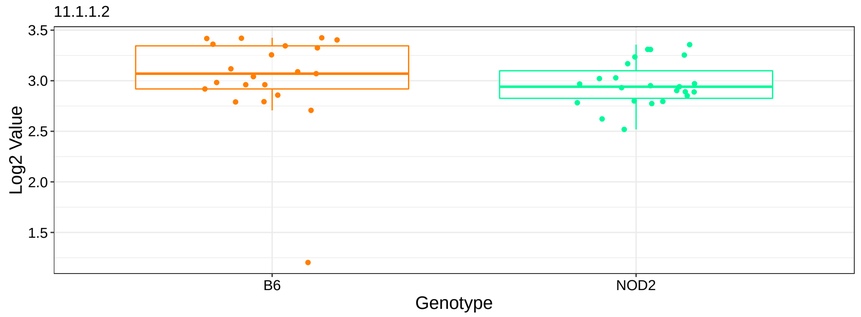

MLN_Total_B_cells
Log2 Value
B6
NOD2
Genotype

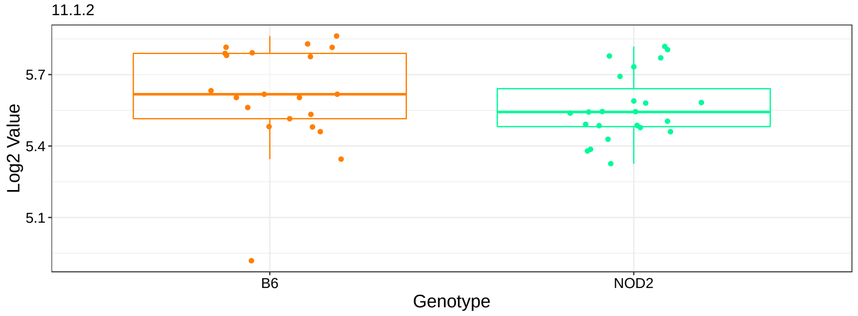

1.1.1.1.1.1.2.2
Log2 Value
B6
NOD2
Genotype

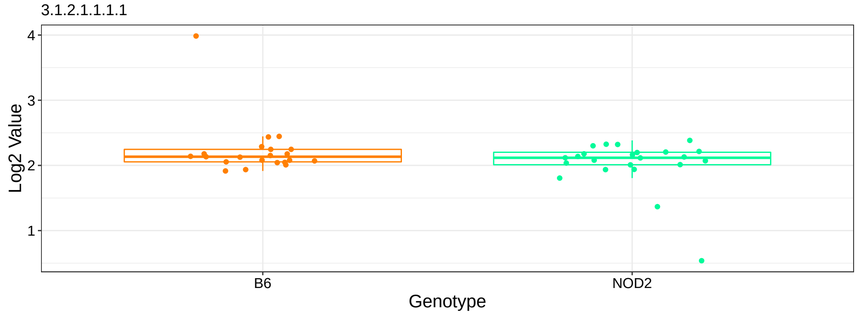

1.1.1.1.1.1.2.4
Log2 Value
B6
NOD2
Genotype

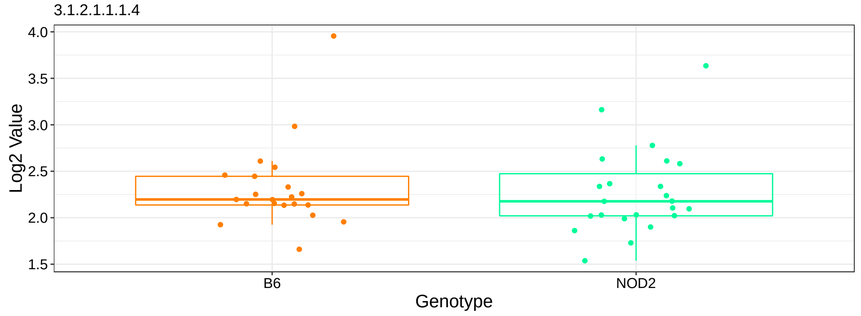

1.1.1.1.1.1.2.5
Log2 Value
B6
NOD2
Genotype

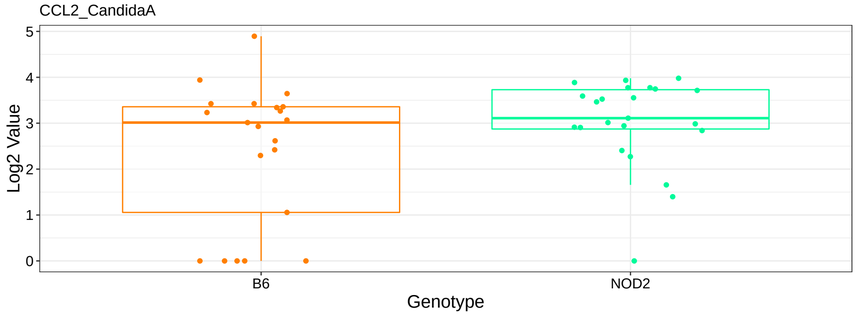

11.1.1.1
Log2 Value
B6
NOD2
Genotype

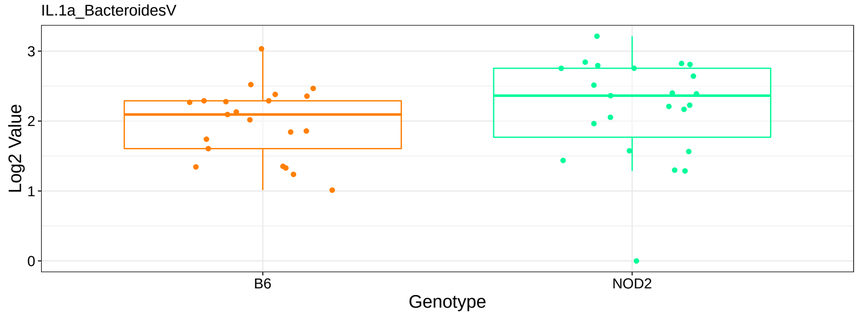

11.1.1.2
Log2 Value
B6
NOD2
Genotype

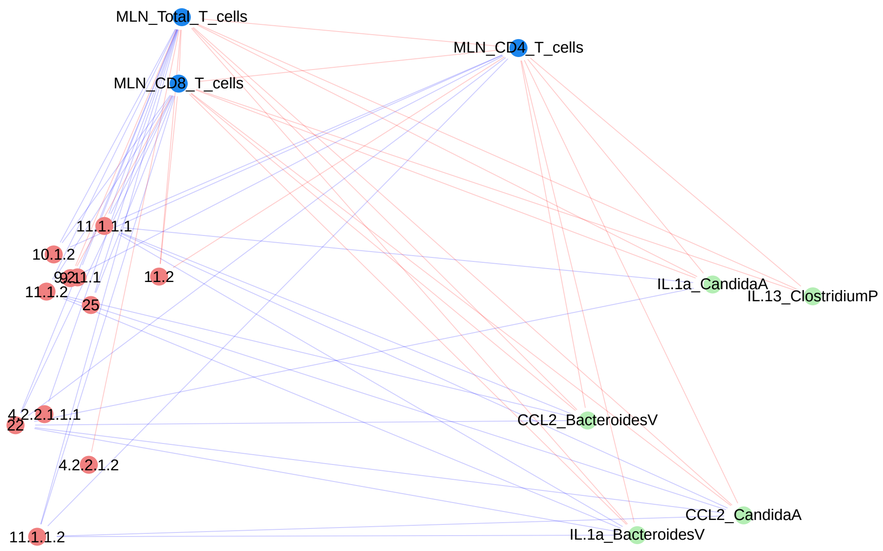

11.1.2
Log2 Value
B6
NOD2
Genotype

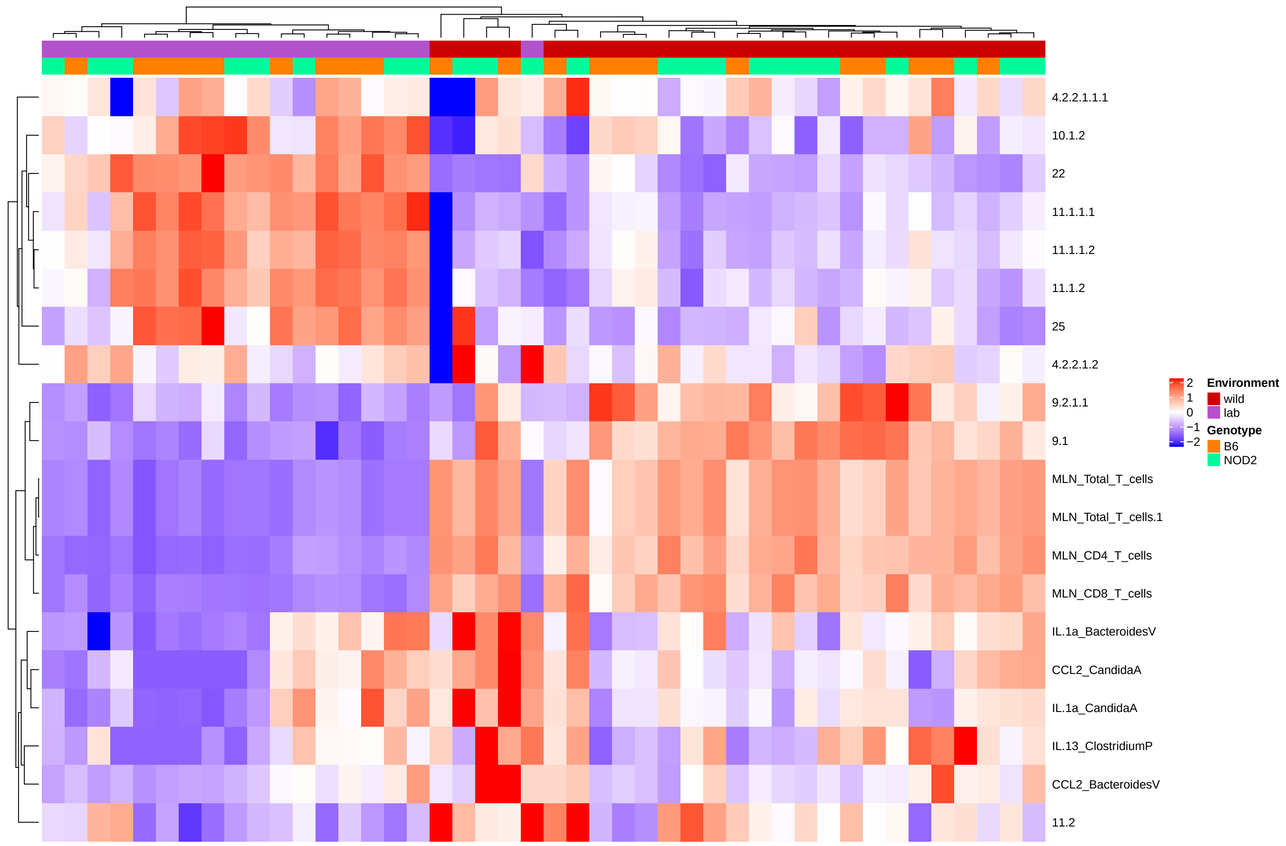

3.1.2.1.1.1.1
Log2 Value
B6
NOD2
Genotype

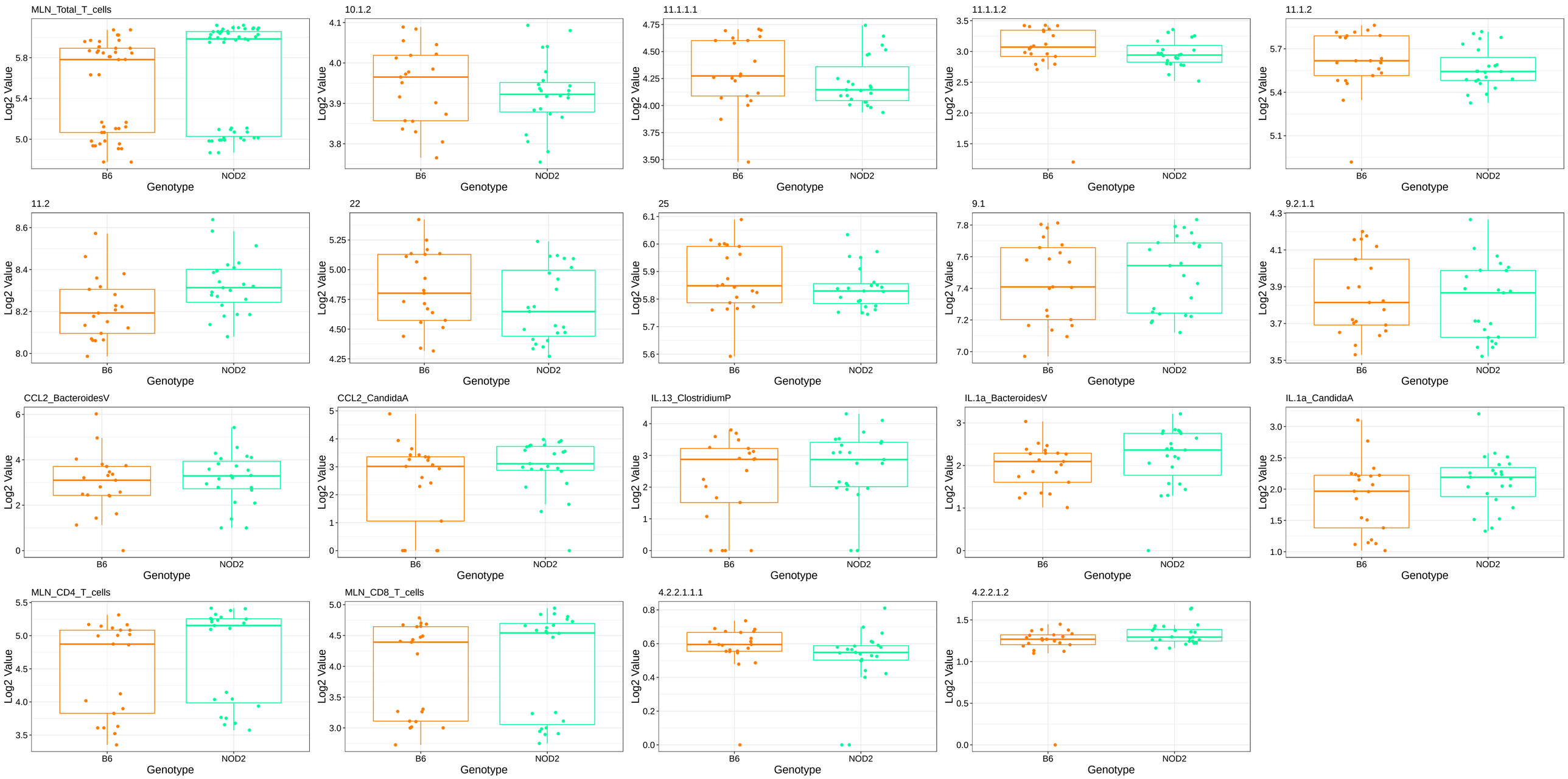

3.1.2.1.1.1.4
Log2 Value
B6
NOD2
Genotype

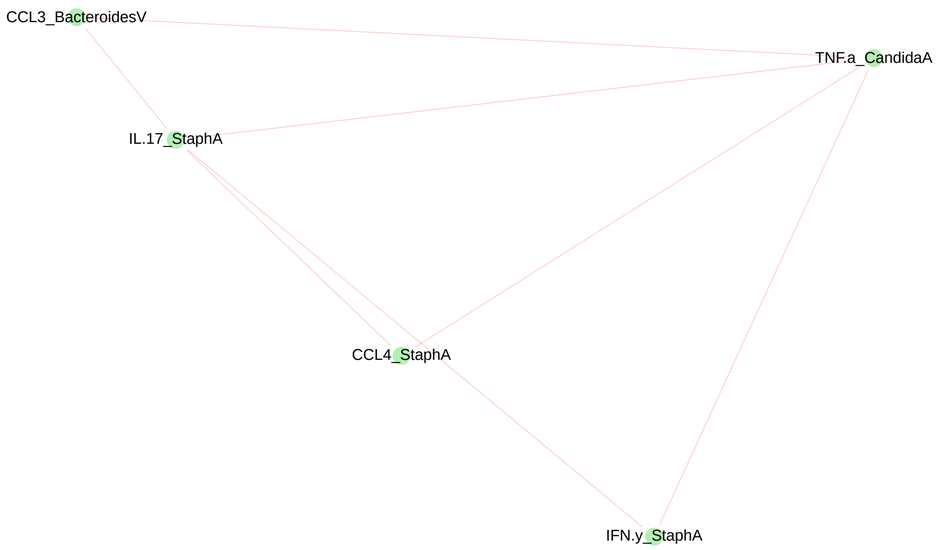

CCL2_CandidaA
Log2 Value
B6
NOD2
Genotype

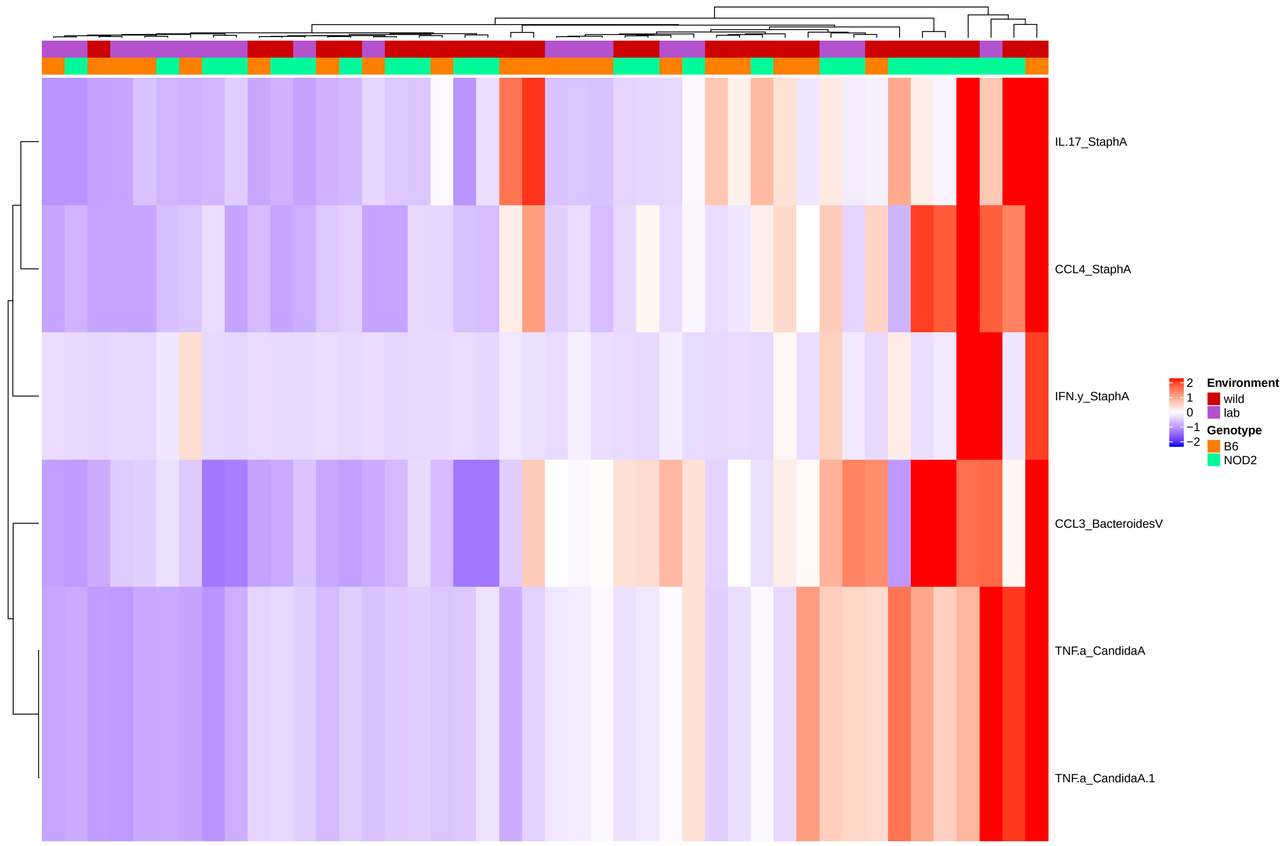

IL.1a_BacteroidesV
Log2 Value
B6
NOD2
Genotype

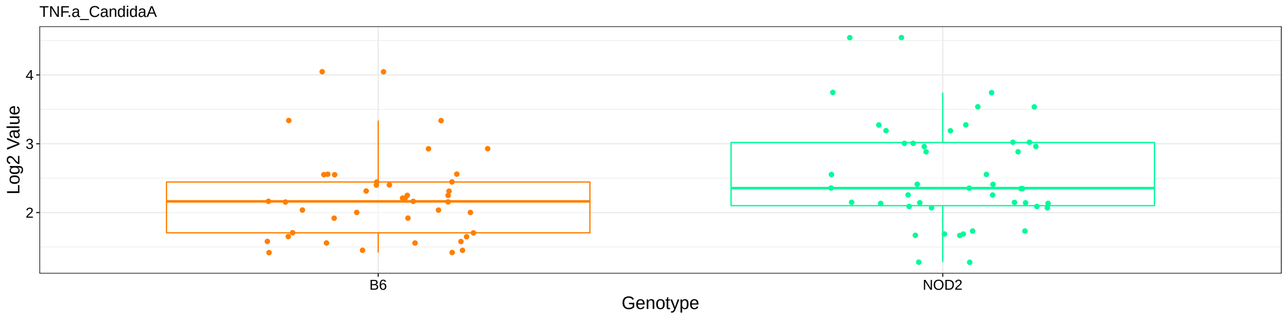

MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
11.1.1.1
10.1.2
9.2.1.1
11.1.2
11.2
25
IL.1a_CandidaA
IL.13_ClostridiumP
4.2.2.1.1.1
22
CCL2_BacteroidesV
4.2.2.1.2
CCL2_CandidaA
11.1.1.2
IL.1a_BacteroidesV

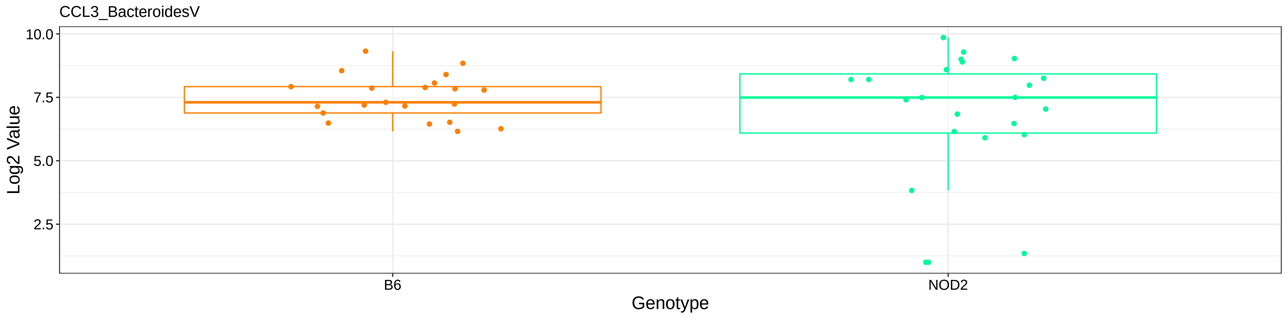

4.2.2.1.1.1
10.1.2
22
11.1.1.1
11.1.1.2
11.1.2
25
4.2.2.1.2
9.2.1.1
9.1
MLN_Total_T_cells
MLN_Total_T_cells.1
MLN_CD4_T_cells
MLN_CD8_T_cells
IL.1a_BacteroidesV
CCL2_CandidaA
IL.1a_CandidaA
IL.13_ClostridiumP
CCL2_BacteroidesV
11.2
Environment
wild
lab
Genotype
B6
NOD2

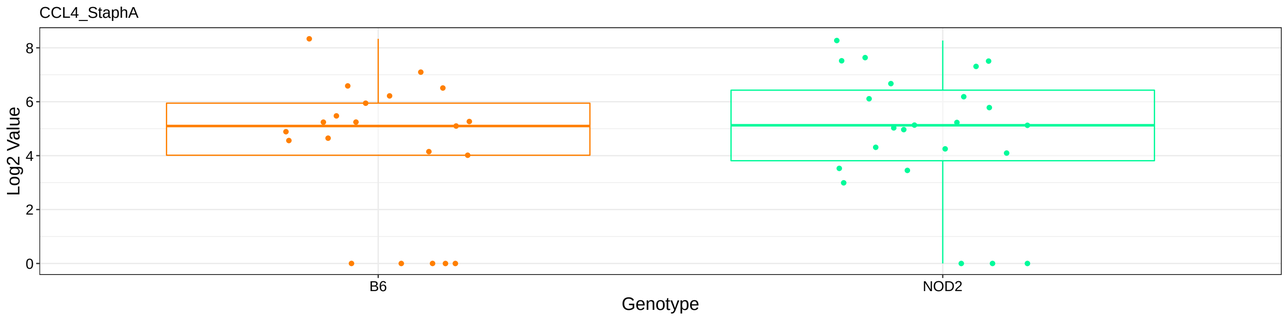

MLN_Total_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
25
9.1
9.2.1.1
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD4_T_cells
MLN_CD8_T_cells
4.2.2.1.1.1
4.2.2.1.2
Log2 Value
Genotype
B6
NOD2

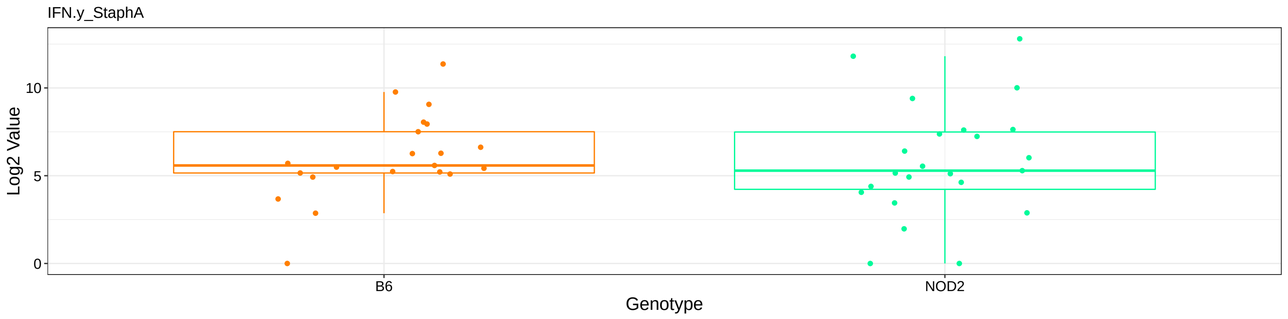

CCL3_BacteroidesV
TNF.a_CandidaA
IL.17_StaphA
CCL4_StaphA
IFN.y_StaphA

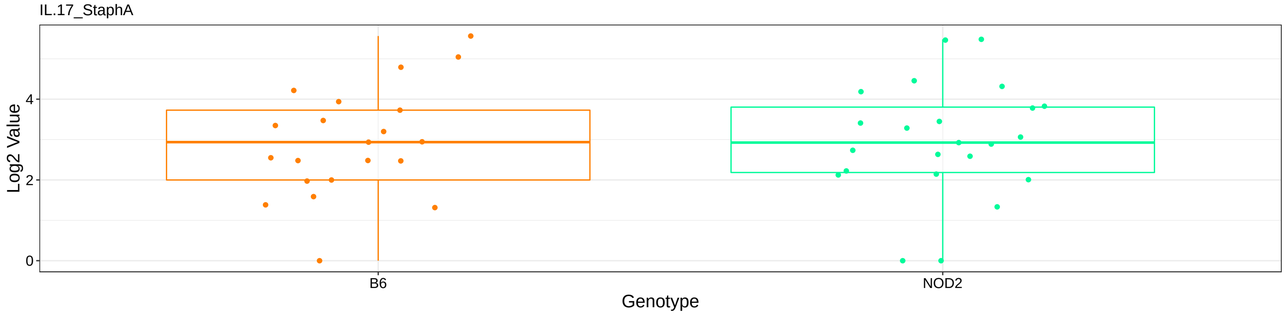

IL.17_StaphA
CCL4_StaphA
IFN.y_StaphA
CCL3_BacteroidesV
TNF.a_CandidaA
TNF.a_CandidaA.1
2
1
0
−1
−2
Environment
wild
lab
Genotype
B6
NOD2


TNF.a_CandidaA
Log2 Value
4
3
2
B6
NOD2
Genotype

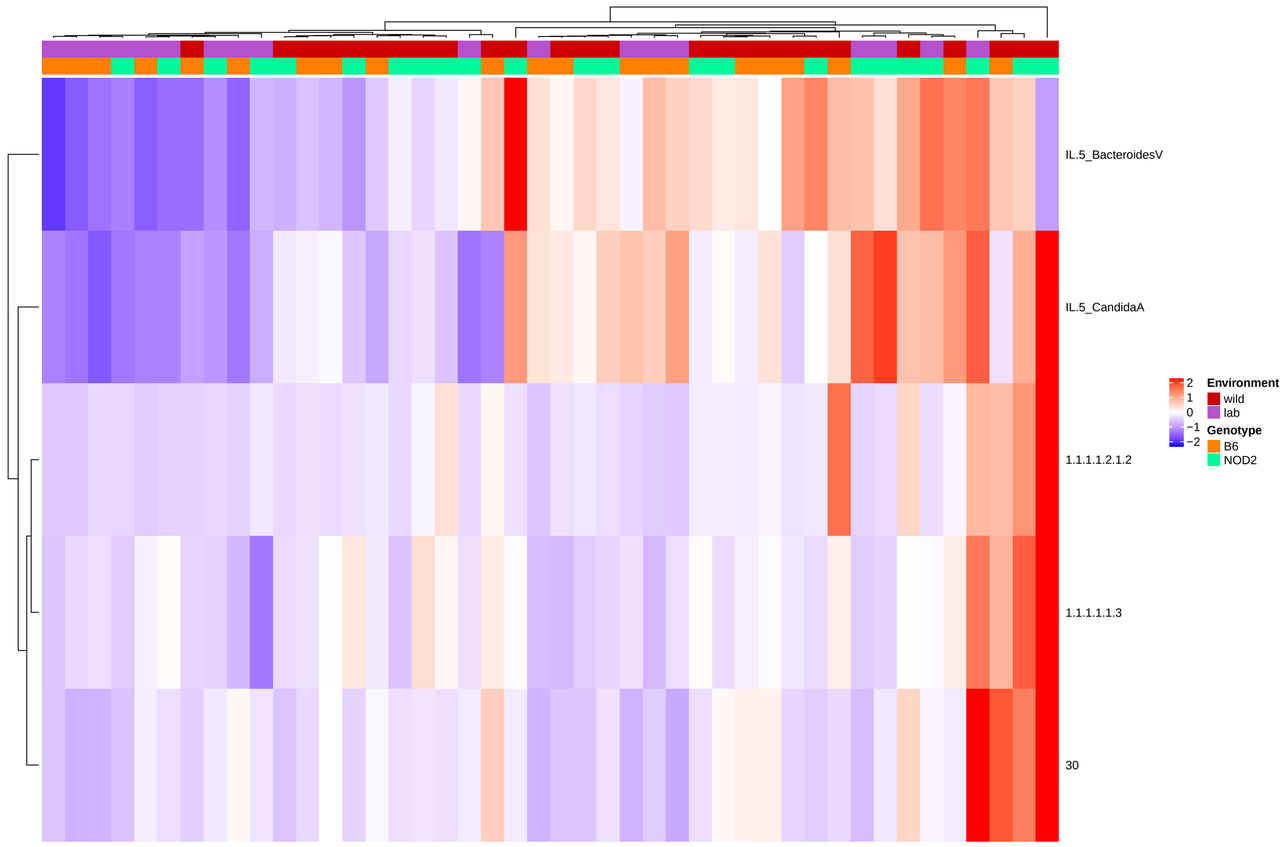

CCL3_BacteroidesV
Log2 Value
10.0
7.5
5.0
2.5
B6
NOD2
Genotype

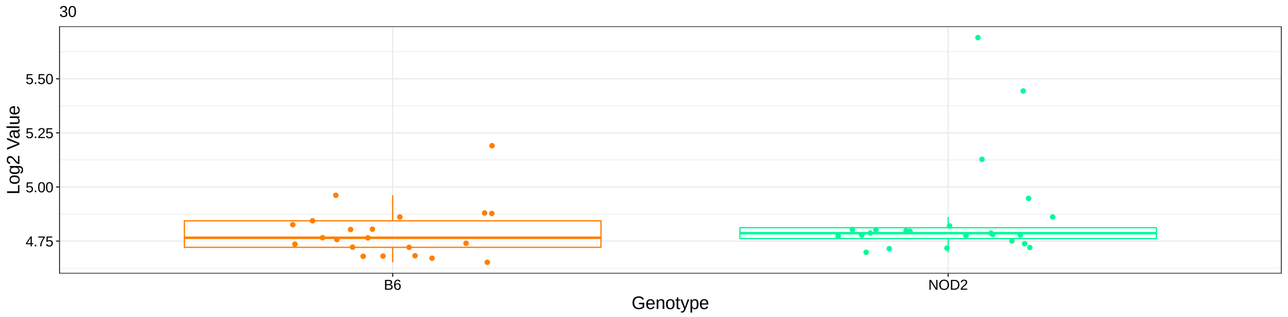

CCL4_StaphA
Log2 Value
8
6
4
2
0
B6
NOD2
Genotype

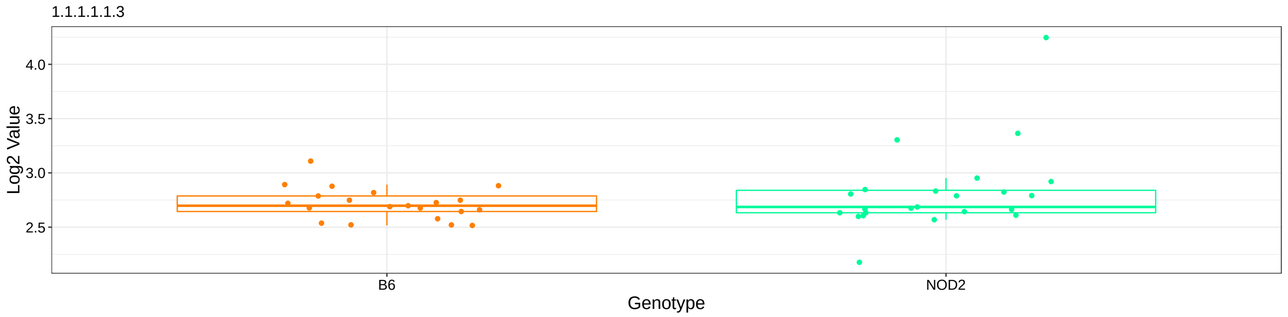

IFN.y_StaphA
Log2 Value
10
5
0
B6
NOD2
Genotype

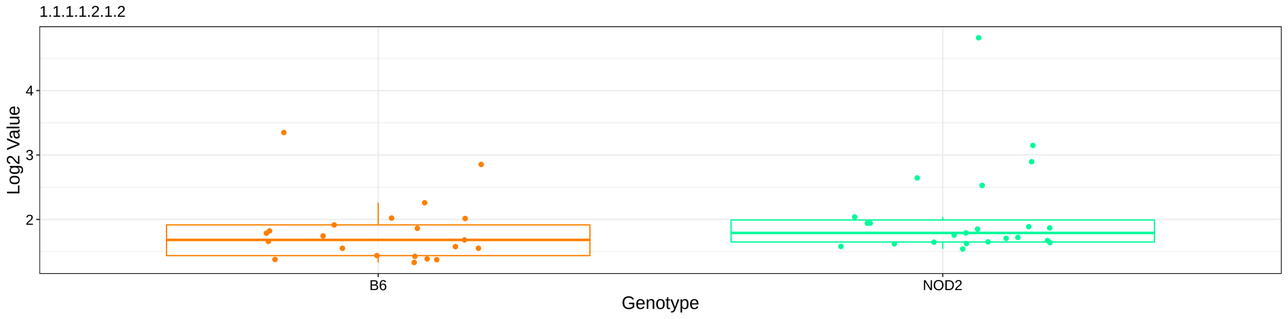

IL.17_StaphA
Log2 Value
4
2
0
B6
NOD2
Genotype

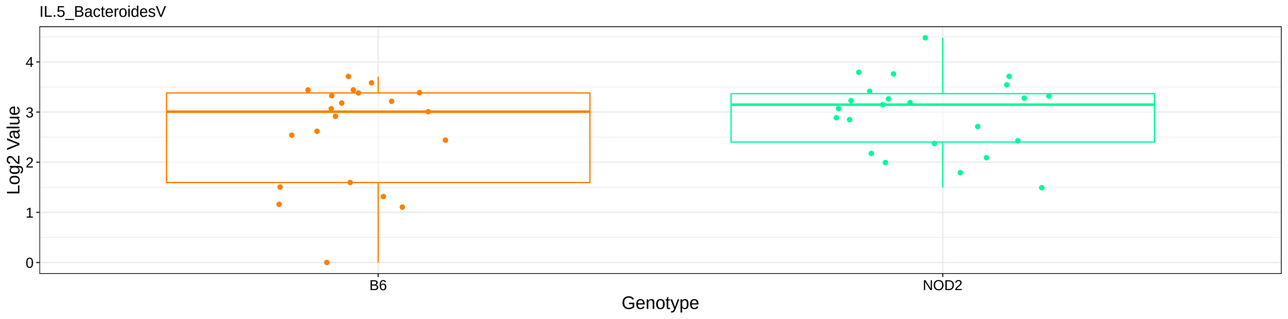
1.1.1.1.1.3
IL.5_BacteroidesV
1.1.1.1.2.1.2
30
IL.5_CandidaA

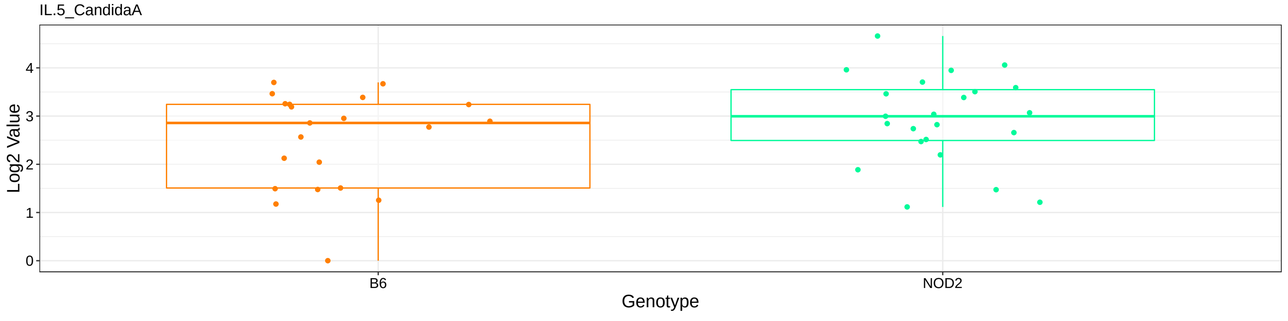

IL.5_BacteroidesV
IL.5_CandidaA
1.1.1.1.2.1.2
1.1.1.1.1.3
30
Environment
wild
lab
Genotype
B6
NOD2


30
Log2 Value
5.50
5.25
5.00
4.75
B6
NOD2
Genotype


1.1.1.1.1.3
Log2 Value
4.0
3.5
3.0
2.5
B6
NOD2
Genotype


1.1.1.1.2.1.2
Log2 Value
4
3
2
B6
NOD2
Genotype


IL.5_BacteroidesV
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype


IL.5_CandidaA
Log2 Value
4
3
2
1
0
B6
NOD2
Genotype