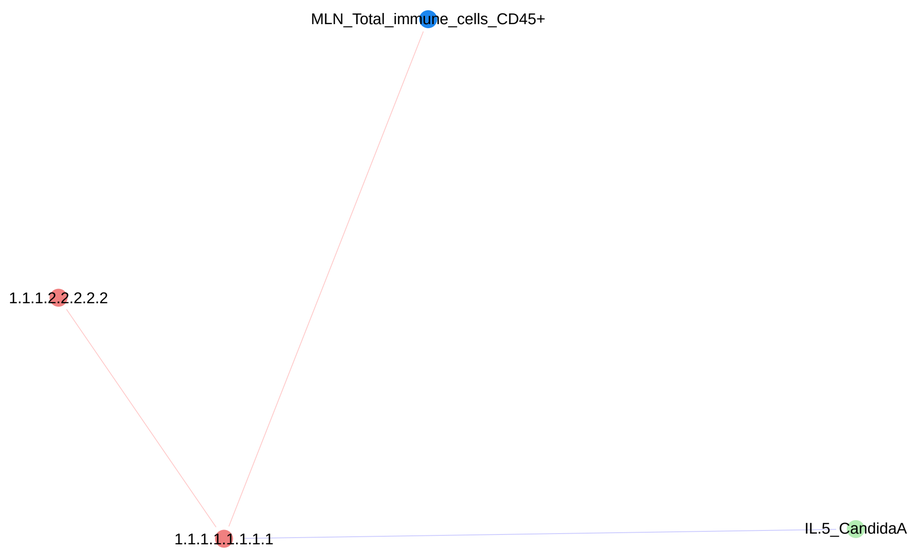
MLN_Total_immune_cells_CD45+
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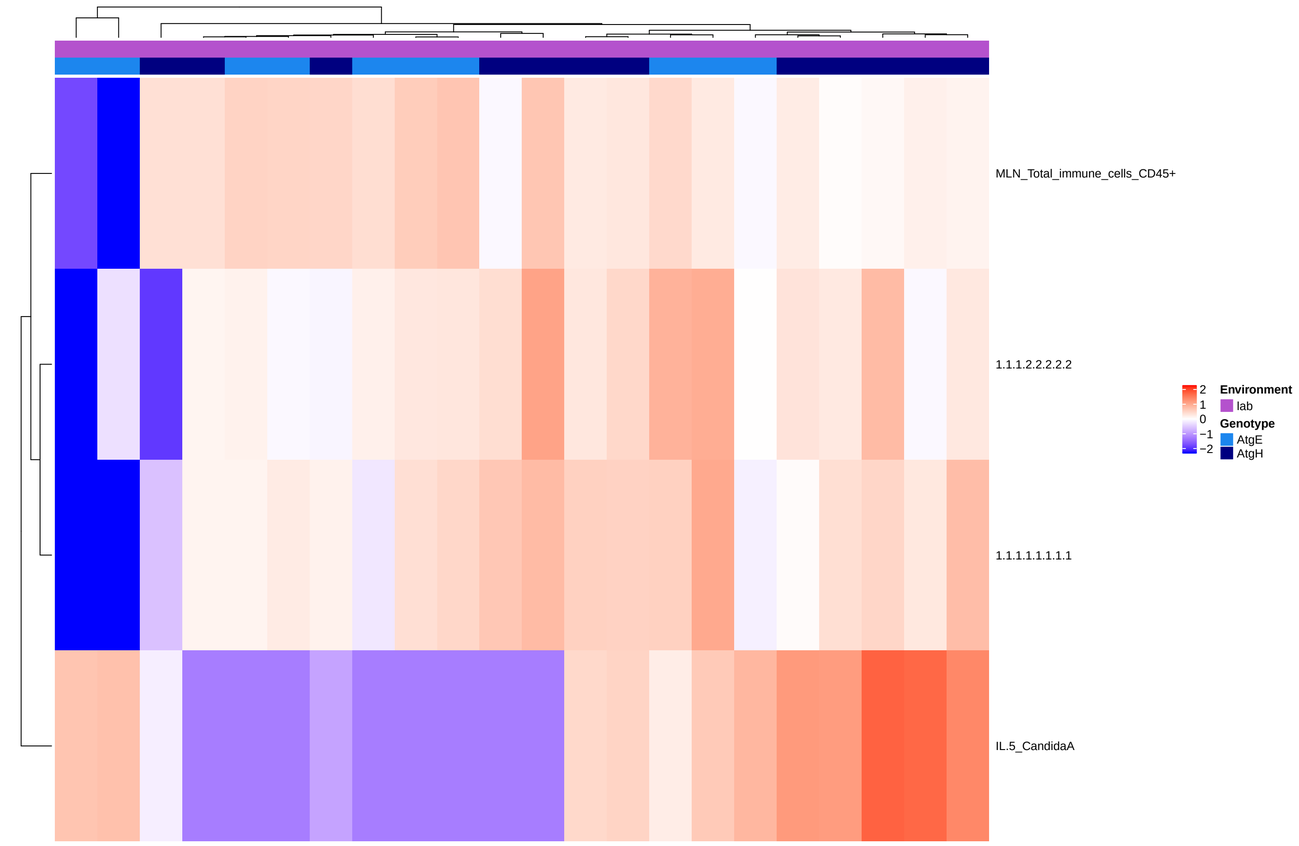
IL.5_CandidaA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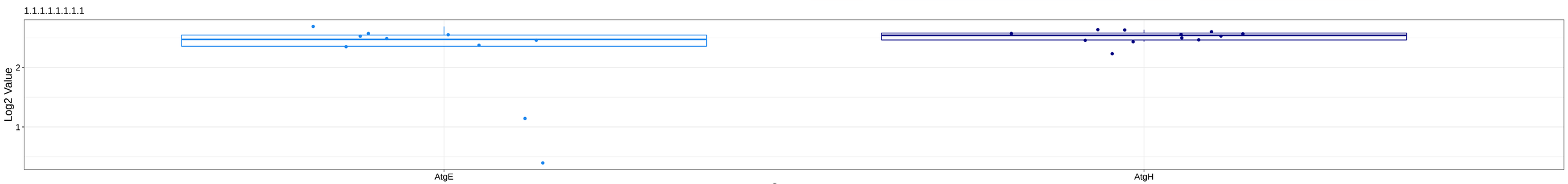
IL.5_CandidaA
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2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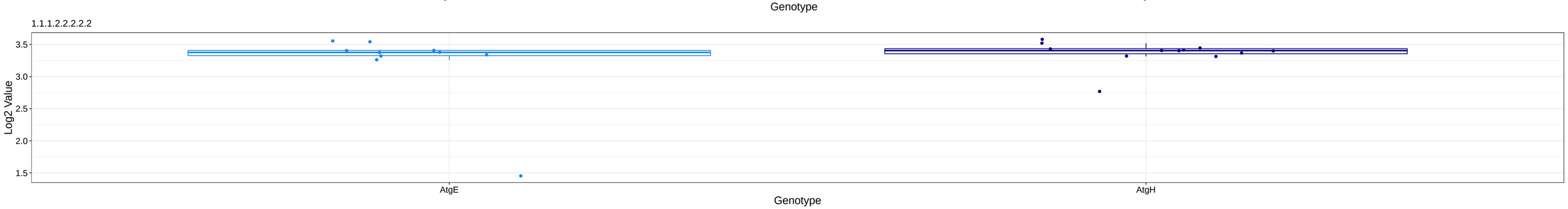
AtgE
AtgH
Genotype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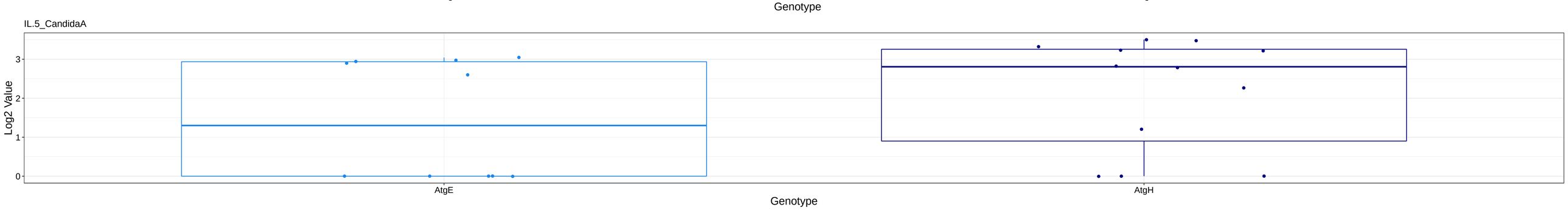
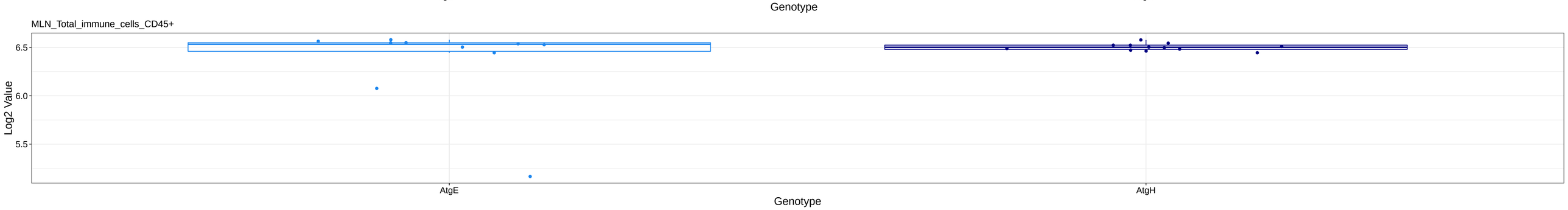
2.5
2.0
1.5
AtgE
AtgH
Genotype


IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype


MLN_Total_immune_cells_CD45+
Log2 Value
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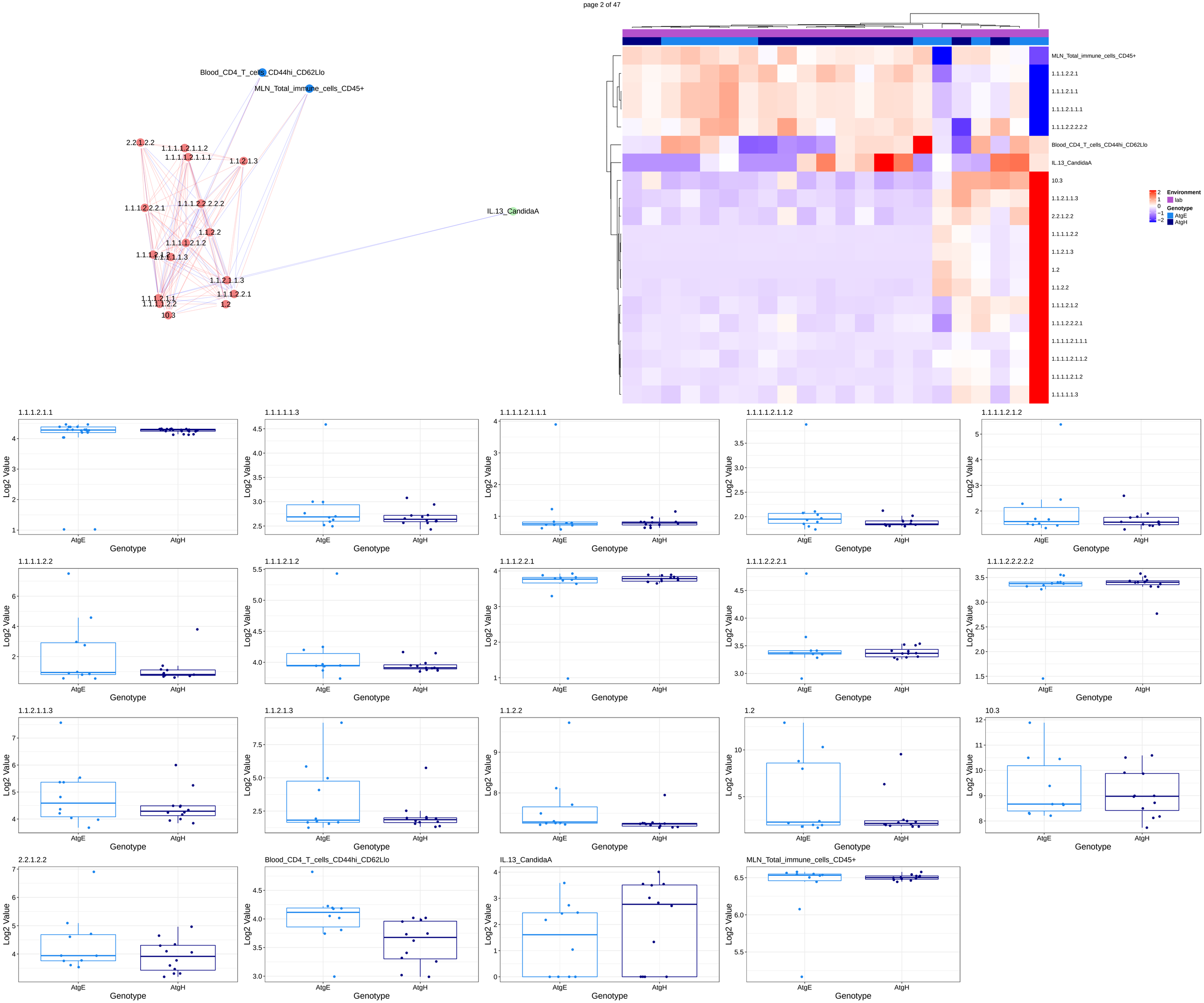
6.0
5.5
AtgE
AtgH
Genotype


Blood_CD4_T_cells_CD44hi_CD62Llo
MLN_Total_immune_cells_CD45+
IL.13_CandidaA
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1.1.1.1.2.1.1.1
1.1.2.1.3
1.1.1.2.2.2.1
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1.1.2.2
1.1.1.1.2.1.2
1.1.1.2.1.2
1.1.1.1.3
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1.1.1.2.1.1
1.1.1.1.2.2
1.2
10.3
MLN_Total_immune_cells_CD45+
1.1.1.2.2.1
1.1.1.1.2.1.1
1.1.1.1.2.2.2
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.13_CandidaA
10.3
1.1.2.1.1.3
2.2.1.2.2
1.1.1.1.2.2
1.1.2.1.3
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1.1.1.1.1.3
Environment
lab
Genotype
AtgE
AtgH
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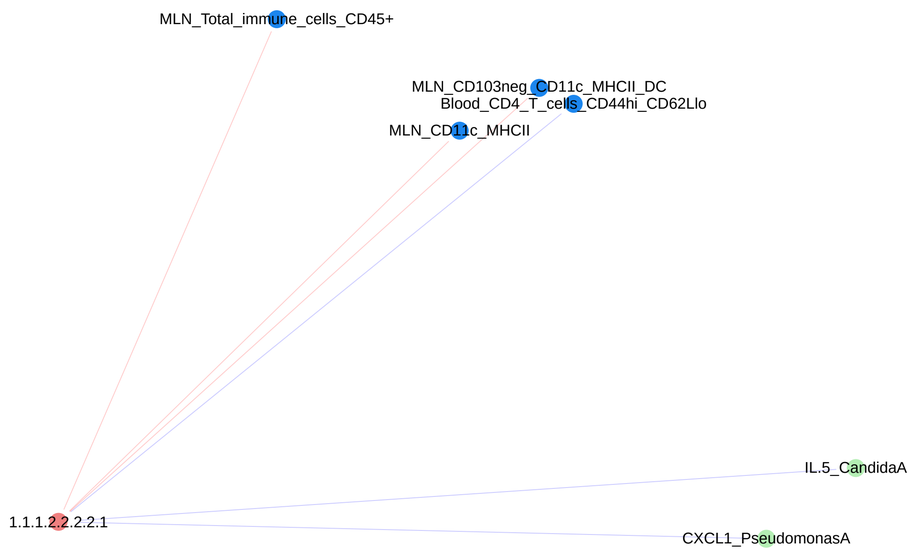
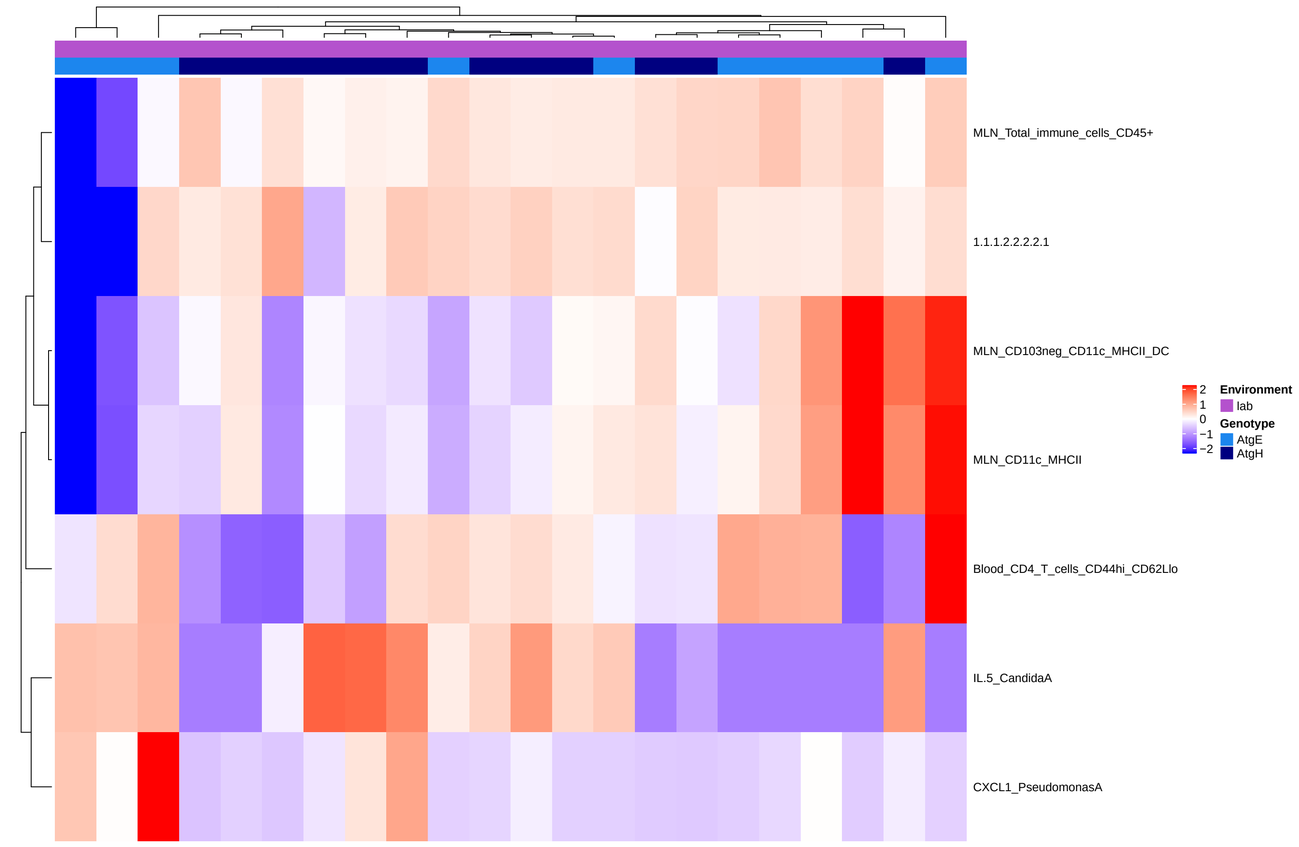
1.1.1.2.1.1.3
1.1.2.1.3
1.1.2.2
1.2
10.3
2.2.1.2.2
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.13_CandidaA
MLN_Total_immune_cells_CD45+
Log2 Value
Genotype
AtgE
AtgH


MLN_Total_immune_cells_CD45+
MLN_CD103neg_CD11c_MHCII_DC
Blood_CD4_T_cells_CD44hi_CD62Llo
MLN_CD11c_MHCII
IL.5_CandidaA
1.1.1.2.2.2.2.1
CXCL1_PseudomonasA


MLN_Total_immune_cells_CD45+
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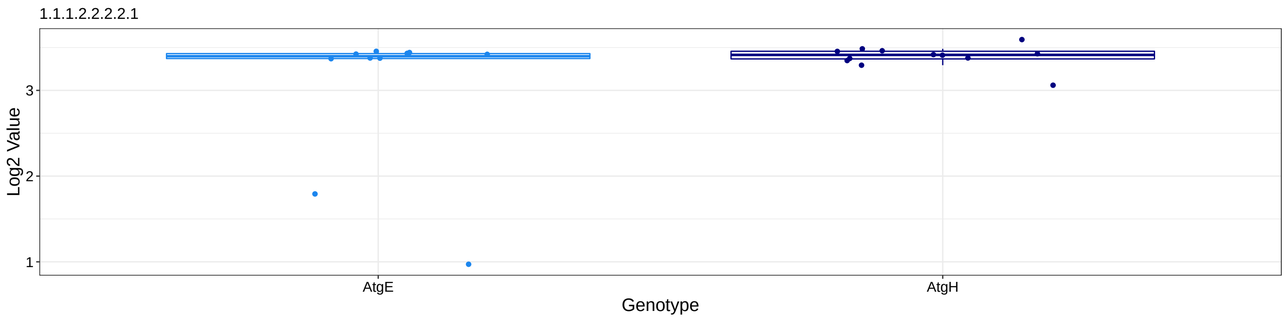
MLN_CD103neg_CD11c_MHCII_DC
MLN_CD11c_MHCII
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.5_CandidaA
CXCL1_PseudomonasA
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH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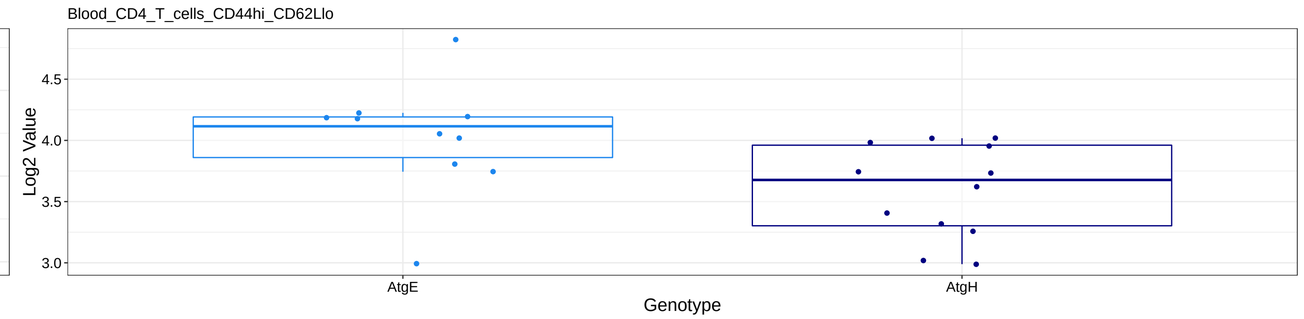
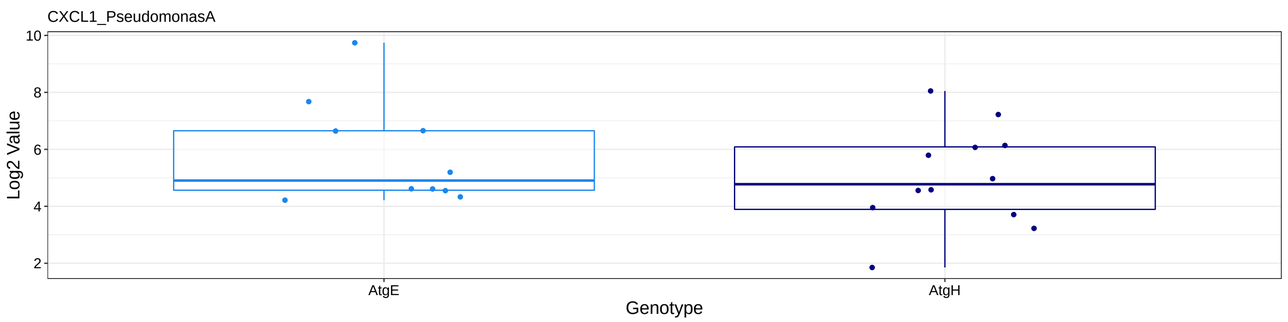
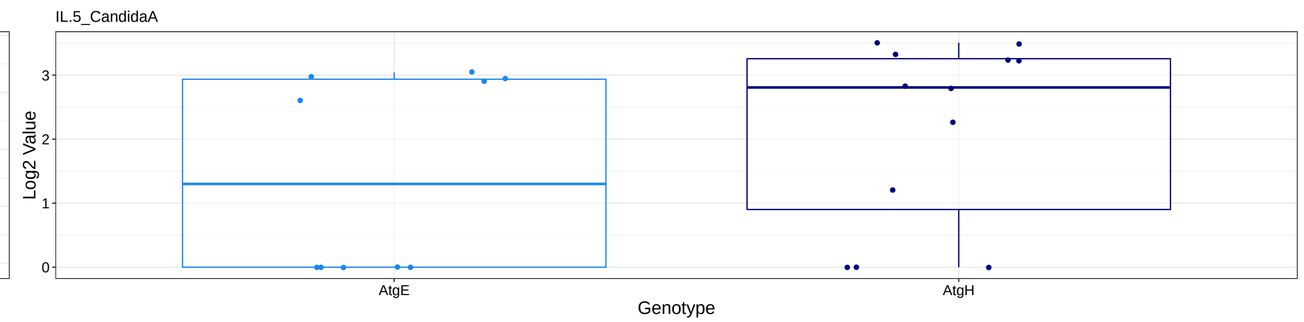
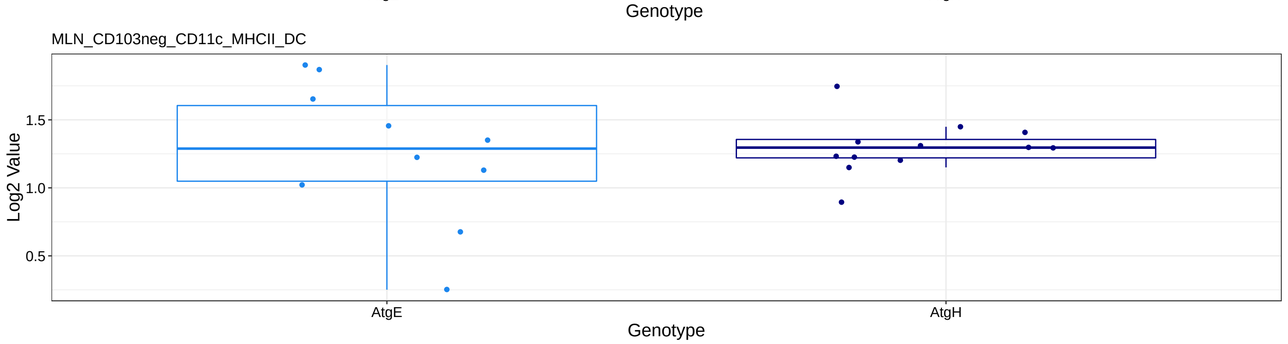
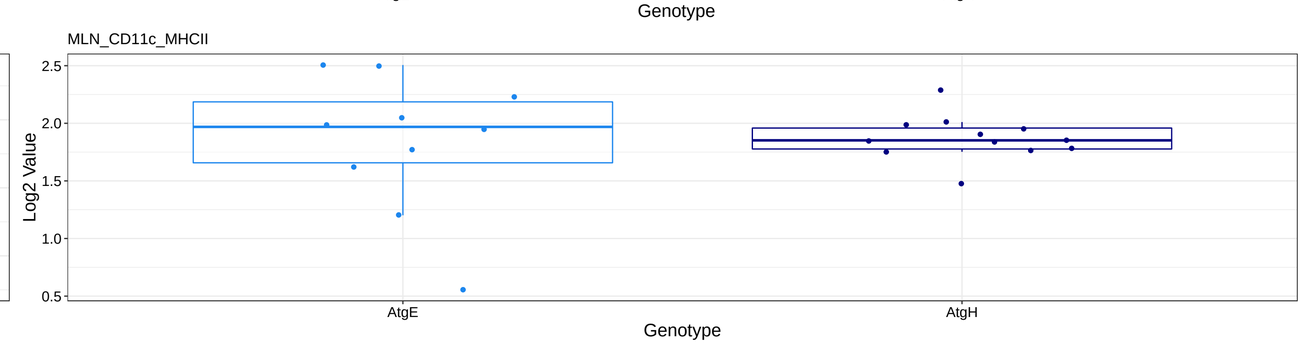
Log2 Value
AtgE
AtgH
Genotype

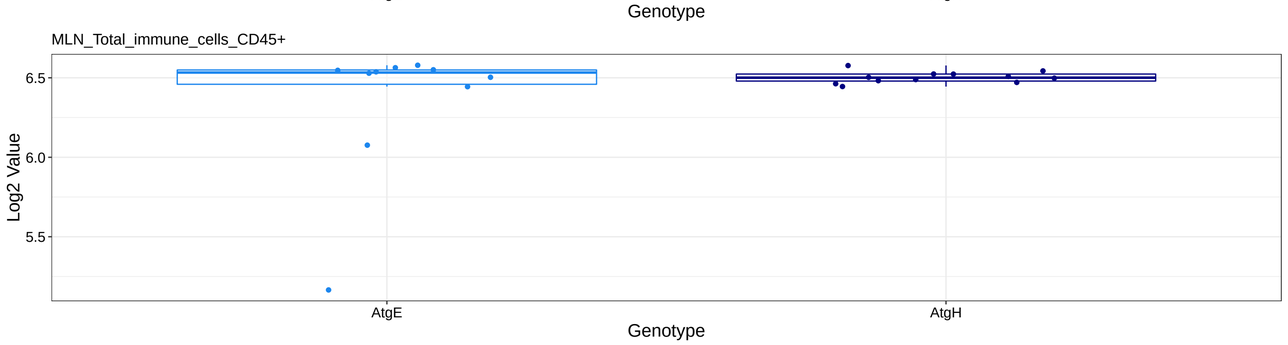

Blood_CD4_T_cells_CD44hi_CD62Llo
Log2 Value
AtgE
AtgH
Genotype

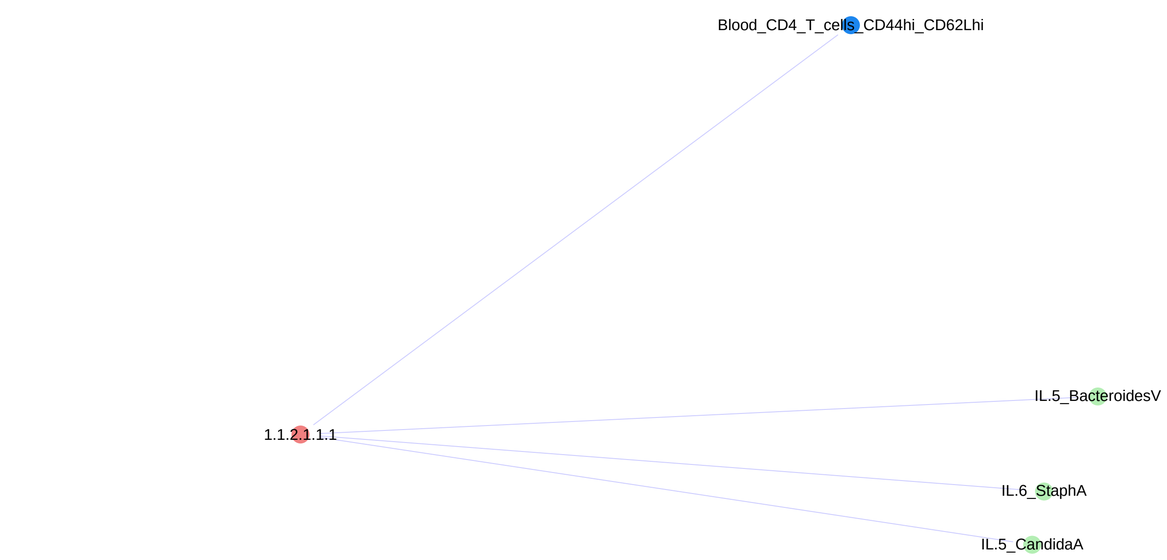

CXCL1_PseudomonasA
Log2 Value
AtgE
AtgH
Genotype

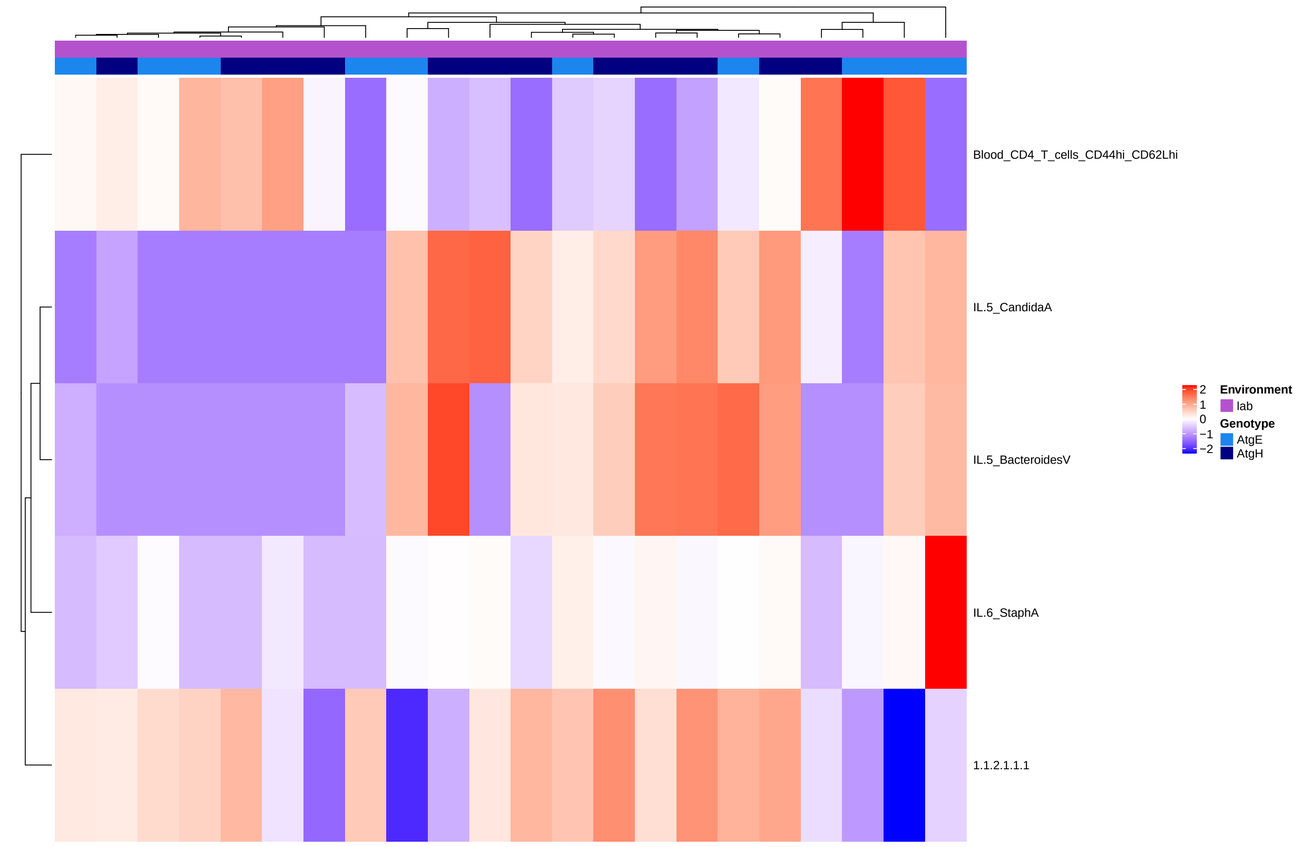

IL.5_CandidaA
Log2 Value
AtgE
AtgH
Genotype

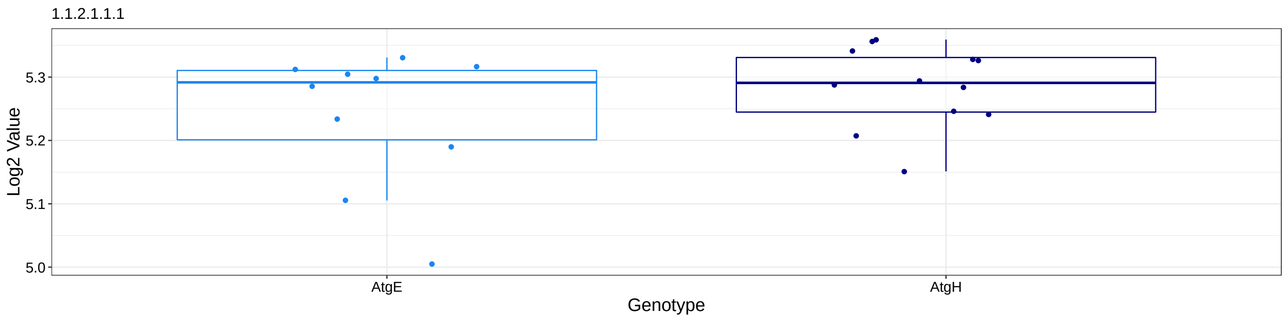

MLN_CD103neg_CD11c_MHCII_DC
Log2 Value
AtgE
AtgH
Genotype


MLN_CD11c_MHCII
Log2 Value
AtgE
AtgH
Genotype


MLN_Total_immune_cells_CD45+
Log2 Value
AtgE
AtgH
Genotype


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


Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_CandidaA
IL.5_BacteroidesV
IL.6_StaphA
1.1.2.1.1.1
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH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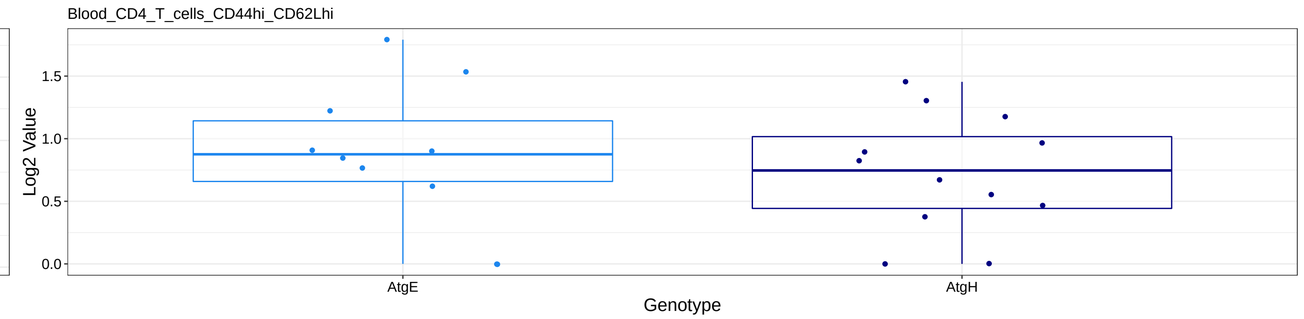
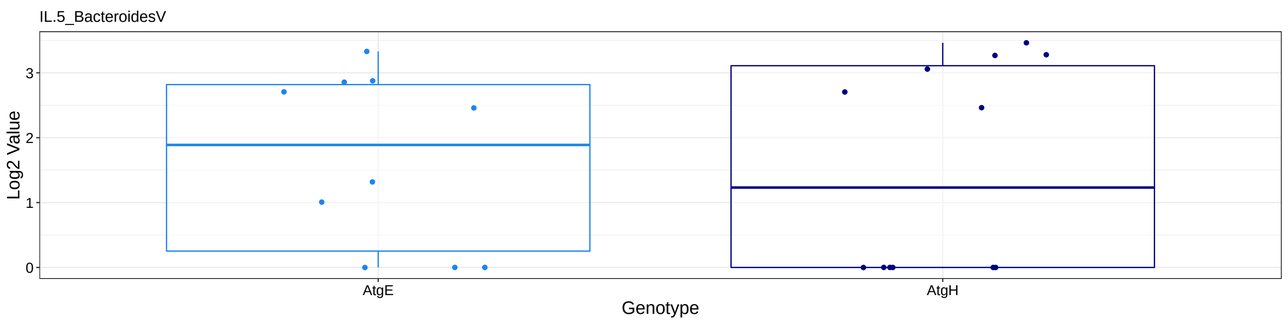
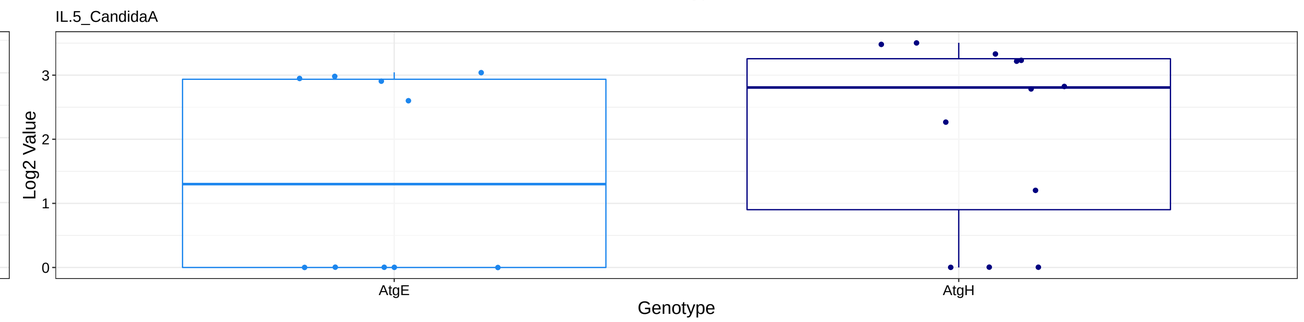
Log2 Value
5.3
5.2
5.1
5.0
AtgE
AtgH
Genotype


Blood_CD4_T_cells_CD44hi_CD62Lhi
Log2 Value
1.5
1.0
0.5
0.0
AtgE
AtgH
Genotype


IL.5_BacteroidesV
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype


IL.5_CandidaA
Log2 Value
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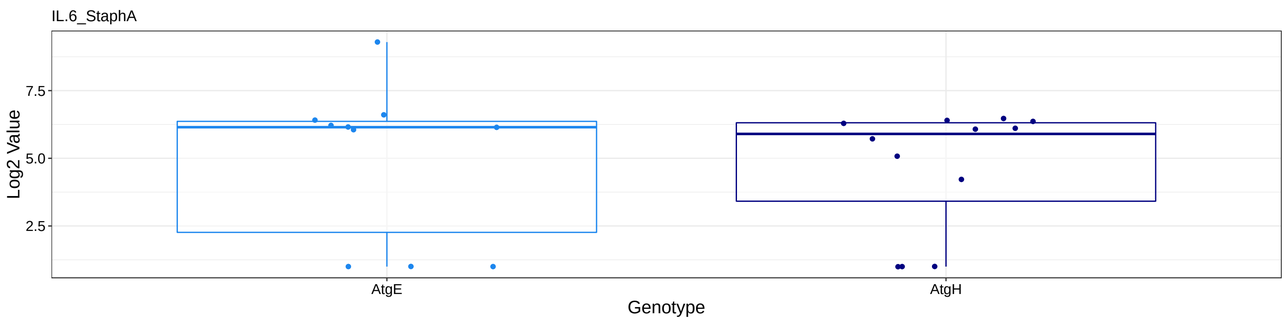
AtgH
Genotype


IL.6_StaphA
Log2 Value
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2.5
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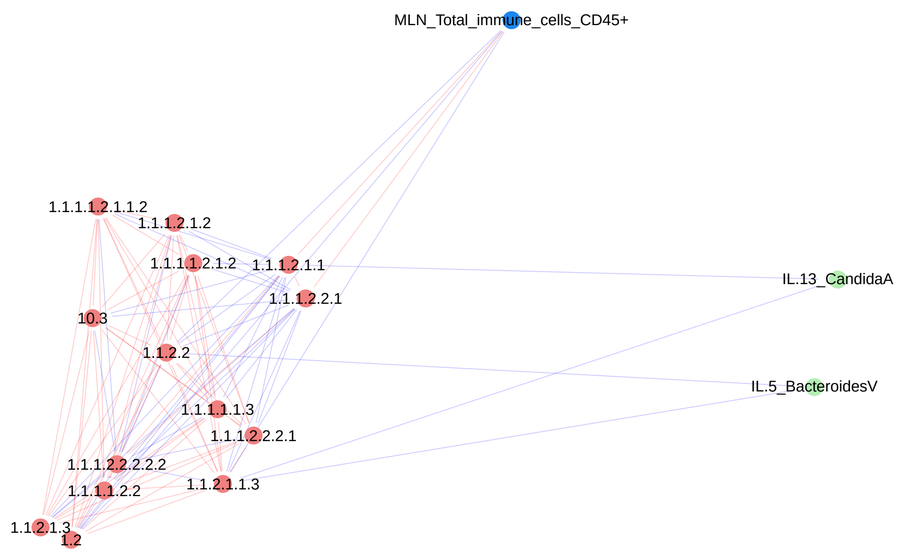
AtgH
Genotype


MLN_Total_immune_cells_CD45+
IL.13_CandidaA
IL.5_BacteroidesV
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1.1.1.2.1.2
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1.1.1.2.1.1
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10.3
1.1.2.2
1.1.1.1.1.3
1.1.1.2.2.2.1
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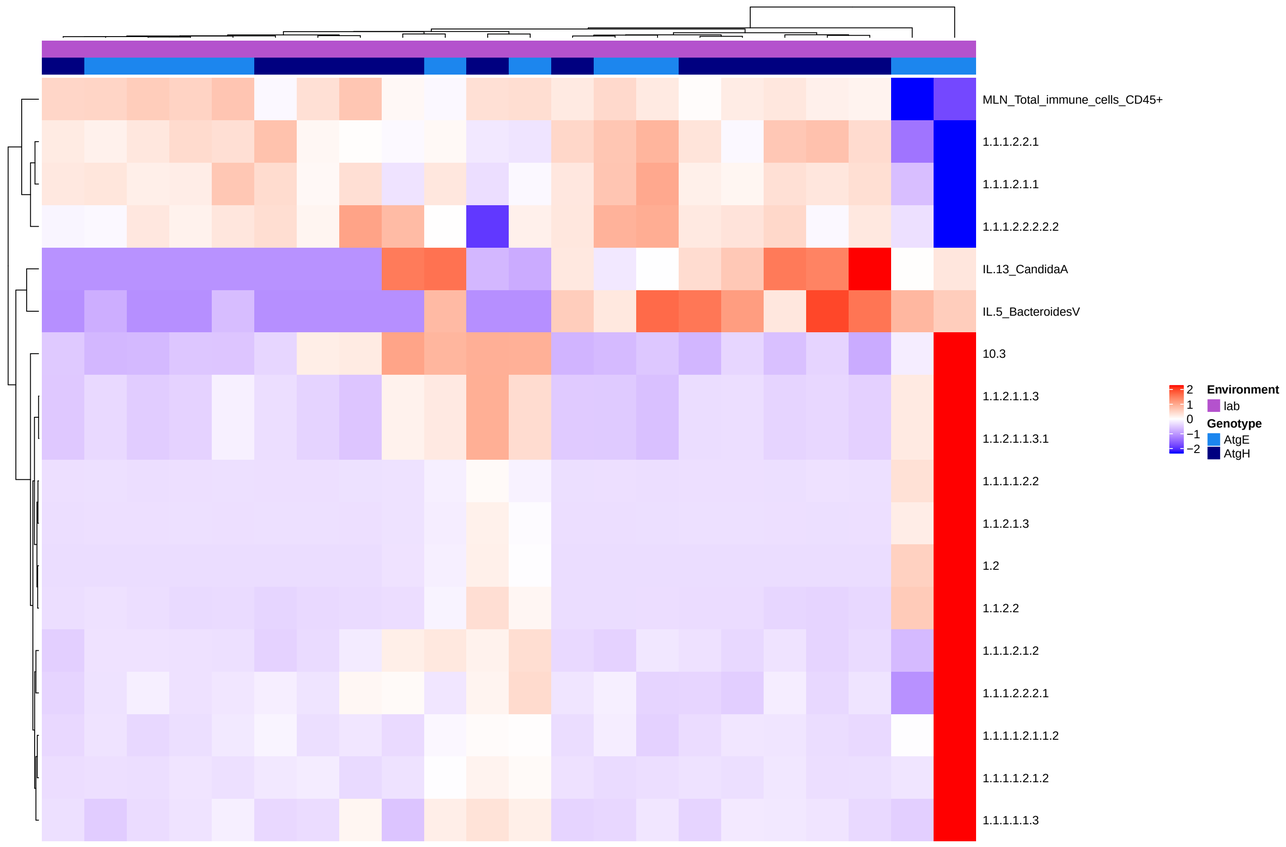
1.1.2.1.3
1.2


MLN_Total_immune_cells_CD45+
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1.1.1.2.1.1
1.1.1.2.2.2.2.2
IL.13_CandidaA
IL.5_BacteroidesV
10.3
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1.1.1.2.2.2.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
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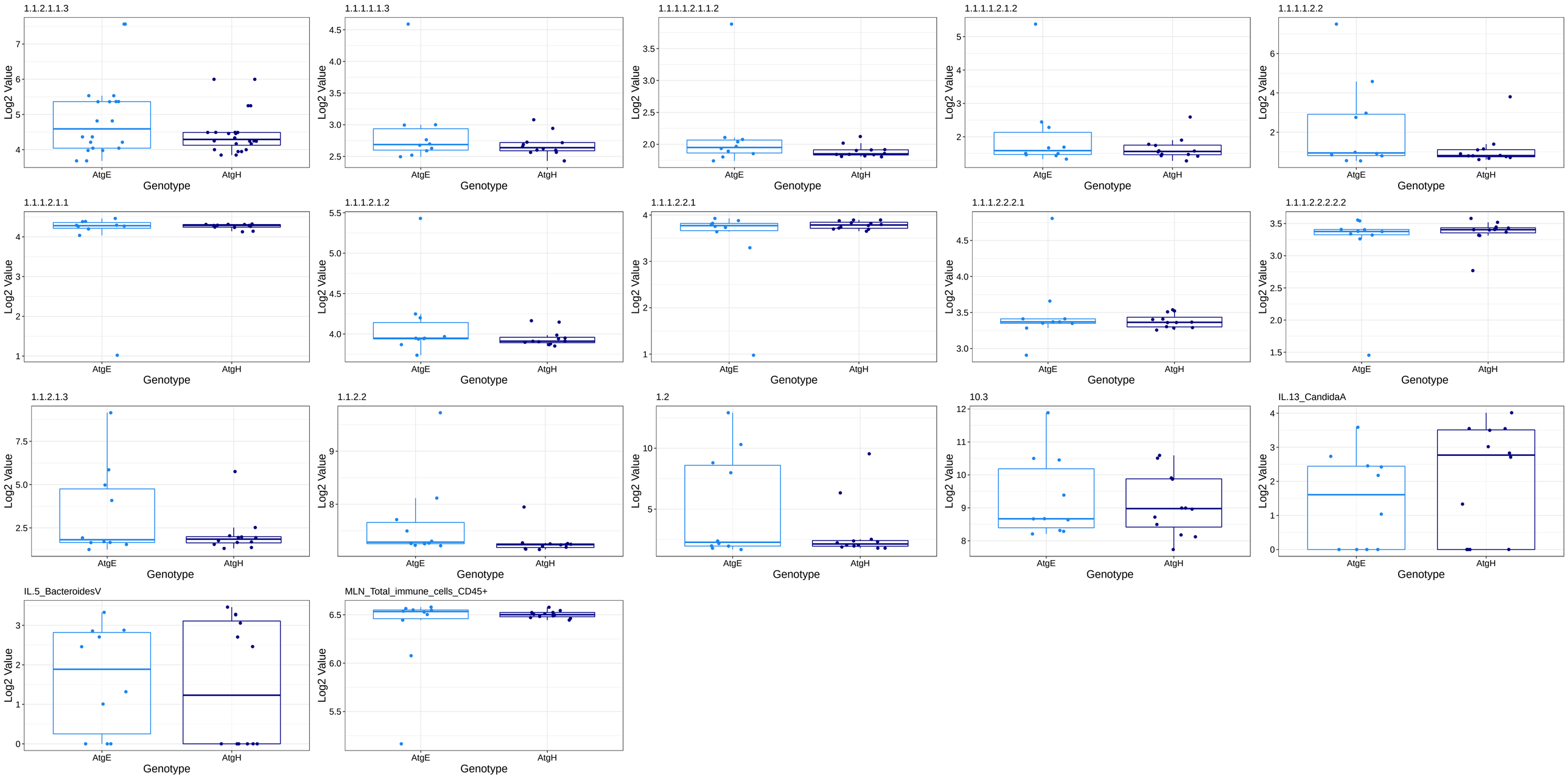
Environment
lab
Genotype
AtgE
AtgH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1.1.1.1.2.1.2
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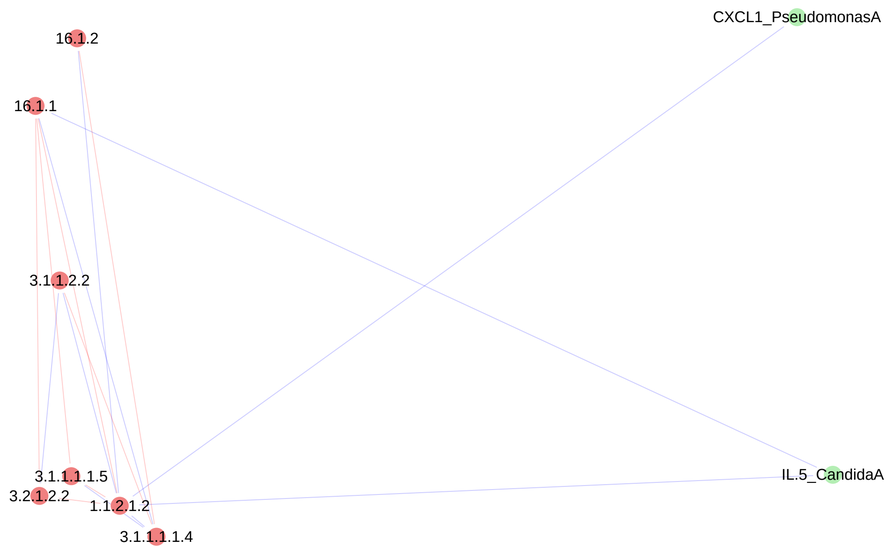
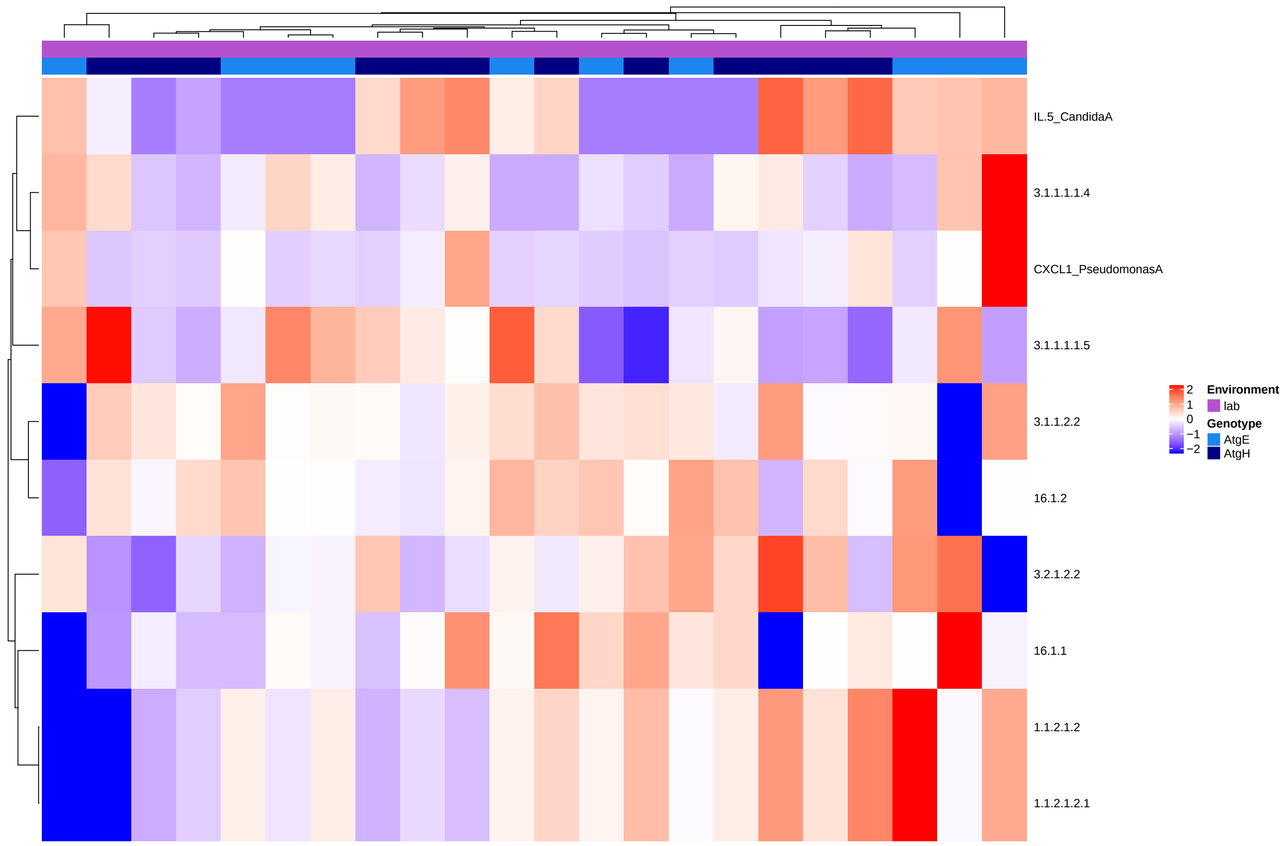
1.1.2.1.3
1.1.2.2
1.2
10.3
IL.13_CandidaA
IL.5_BacteroidesV
MLN_Total_immune_cells_CD45+
Log2 Value
AtgE
AtgH
Genotype


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


IL.5_CandidaA
3.1.1.1.1.4
CXCL1_PseudomonasA
3.1.1.1.1.5
3.1.1.2.2
16.1.2
3.2.1.2.2
16.1.1
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1.1.2.1.2.1
2
1
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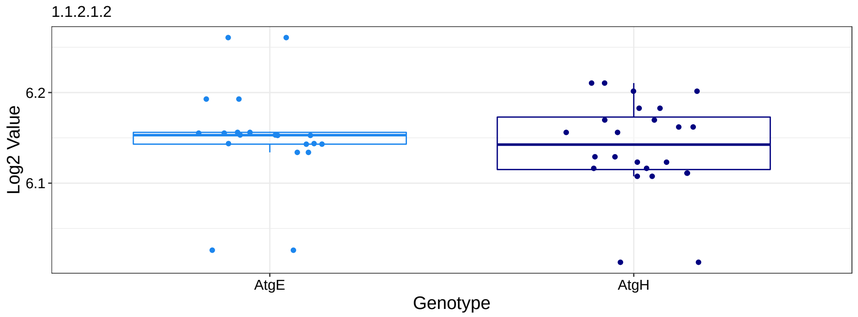
−1
−2
Environment
lab
Genotype
AtgE
AtgH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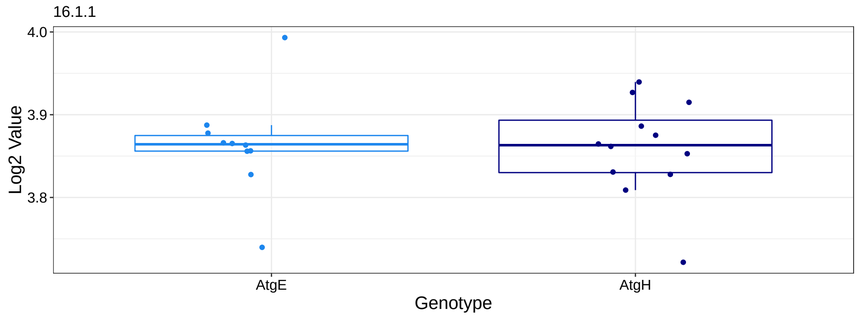
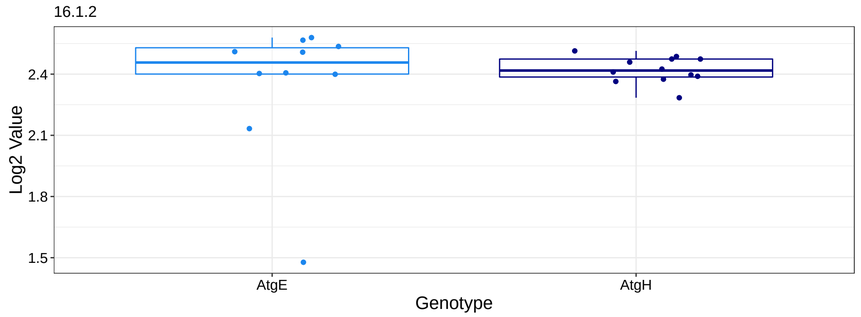
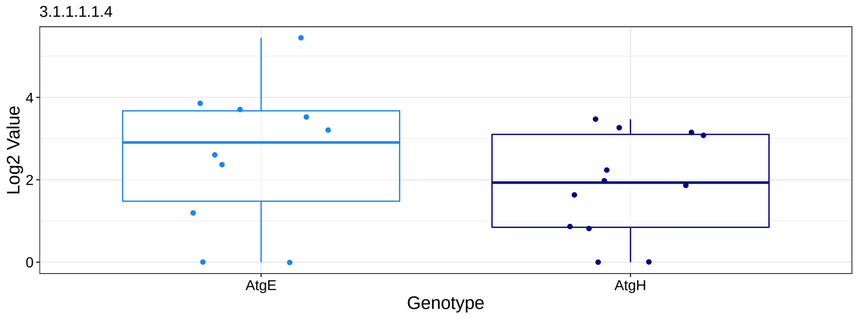
Log2 Value
6.2
6.1
AtgE
AtgH
Genotype


16.1.1
Log2 Value
4.0
3.9
3.8
AtgE
AtgH
Genotype


16.1.2
Log2 Value
2.4
2.1
1.8
1.5
AtgE
AtgH
Genotype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Log2 Value
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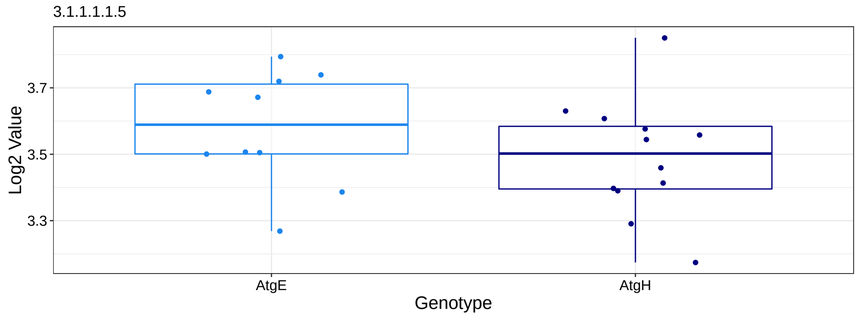
AtgE
AtgH
Genotype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Log2 Value
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3.5
3.3
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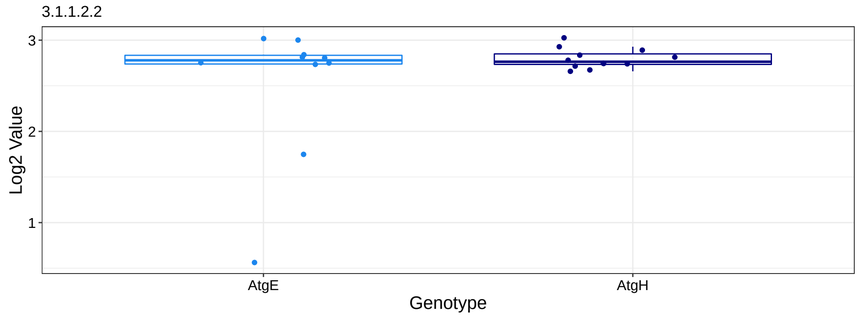
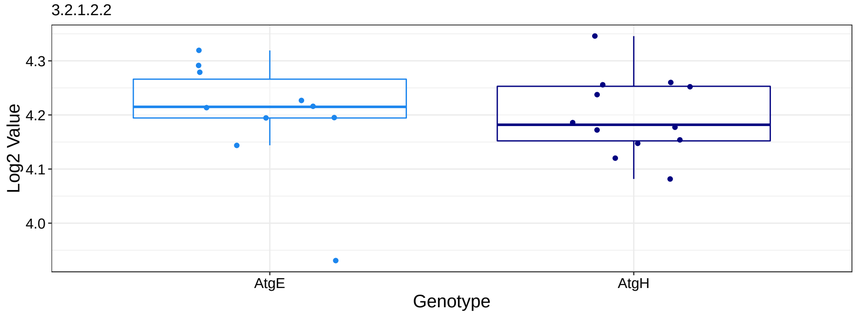
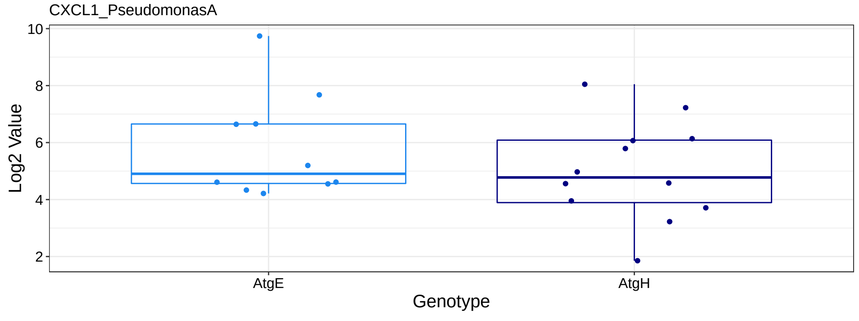
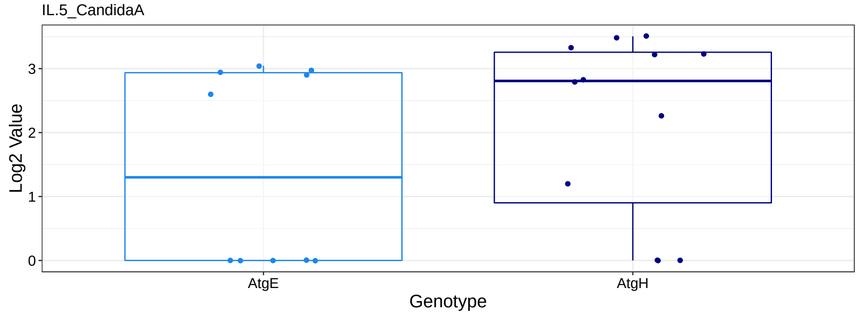
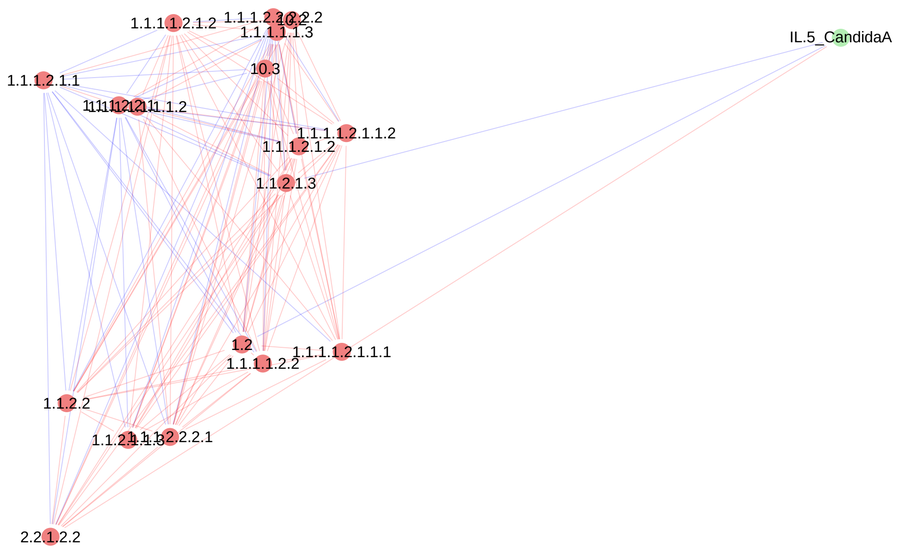
AtgH
Genotype

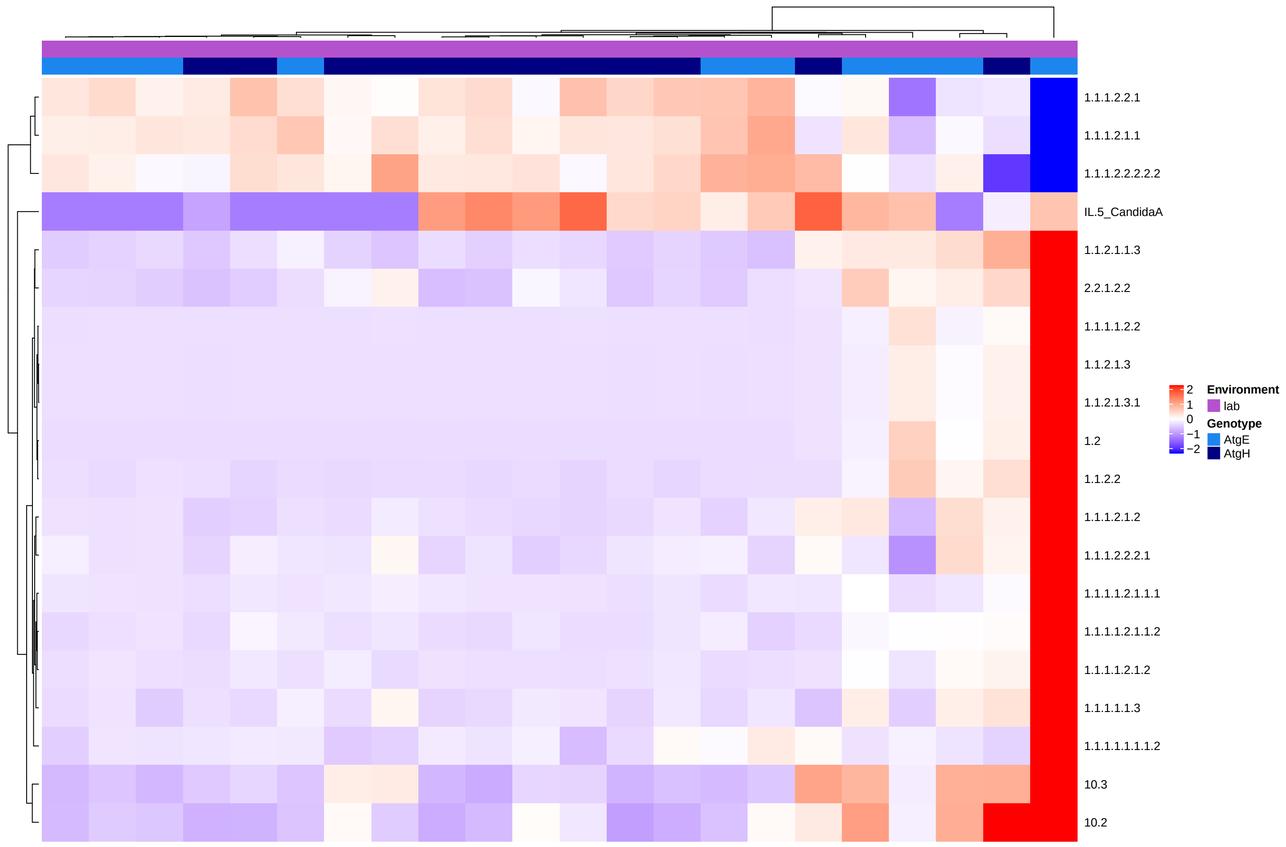

3.1.1.2.2
Log2 Value
3
2
1
AtgE
AtgH
Genotype

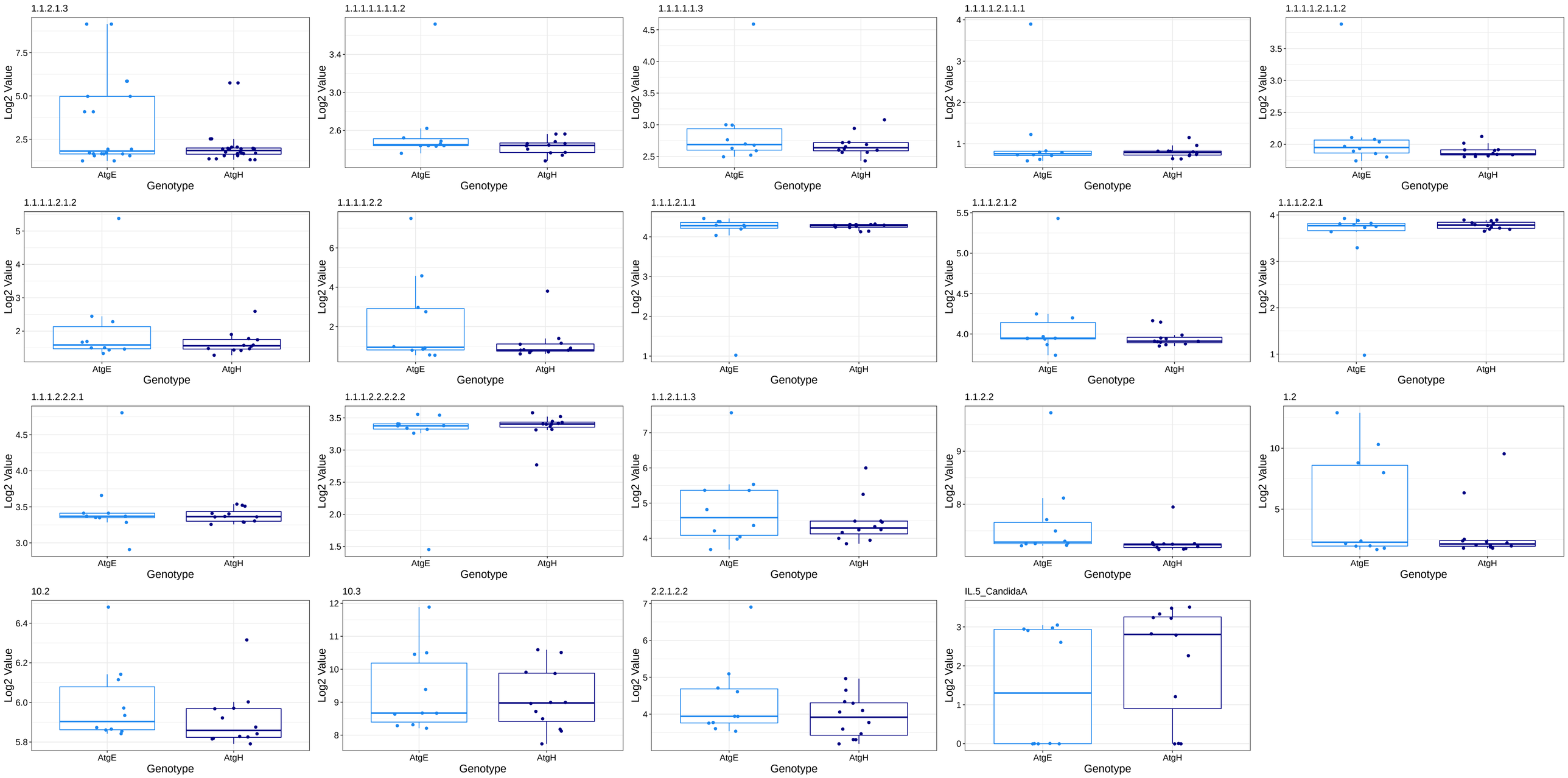

3.2.1.2.2
Log2 Value
4.3
4.2
4.1
4.0
AtgE
AtgH
Genotype


CXCL1_PseudomonasA
Log2 Value
10
8
6
4
2
AtgE
AtgH
Genotype


IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype


IL.5_CandidaA
1.1.1.1.2.1.2
1.1.1.1.1.3
10.3
1.1.1.2.1.1
1.1.1.1.2.1.1.2
1.1.1.2.1.2
1.1.2.1.3
1.2
1.1.1.1.2.2
1.1.1.1.2.1.1.1
1.1.2.2
1.1.2.2.2.1
2.2.1.2.2


1.1.1.2.2.1
1.1.1.2.1.1
1.1.1.2.2.2.2.2
IL.5_CandidaA
1.1.2.1.1.3
2.2.1.2.2
1.1.1.1.2.2
1.1.2.1.3
1.1.2.1.3.1
1.2
1.1.2.2
1.1.1.2.1.2
1.1.1.2.2.2.1
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.1.1.1.1.2
10.3
10.2
Environment
lab
Genotype
AtgE
AtgH


1.1.2.1.3
1.1.1.1.1.1.1.2
1.1.1.1.1.1.3
1.1.1.2.1.1.1
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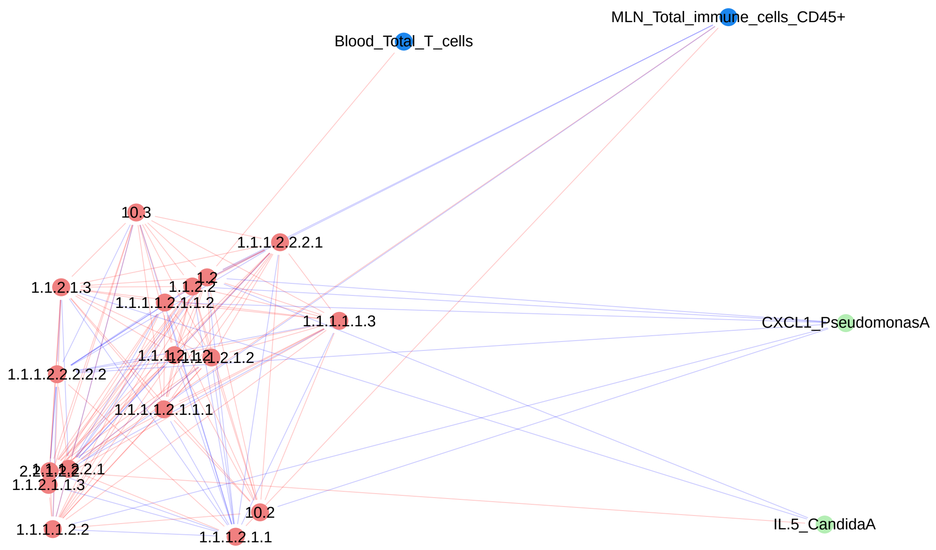
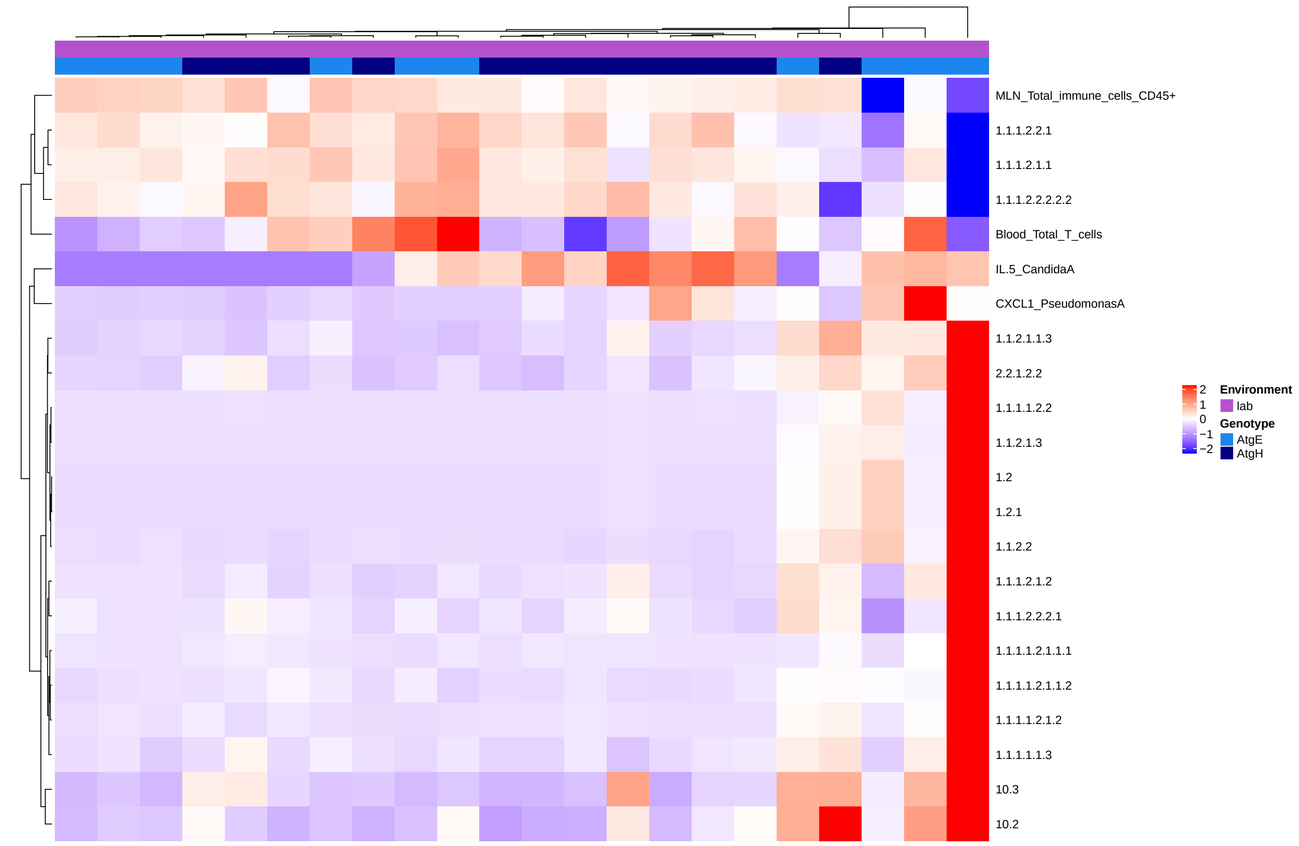
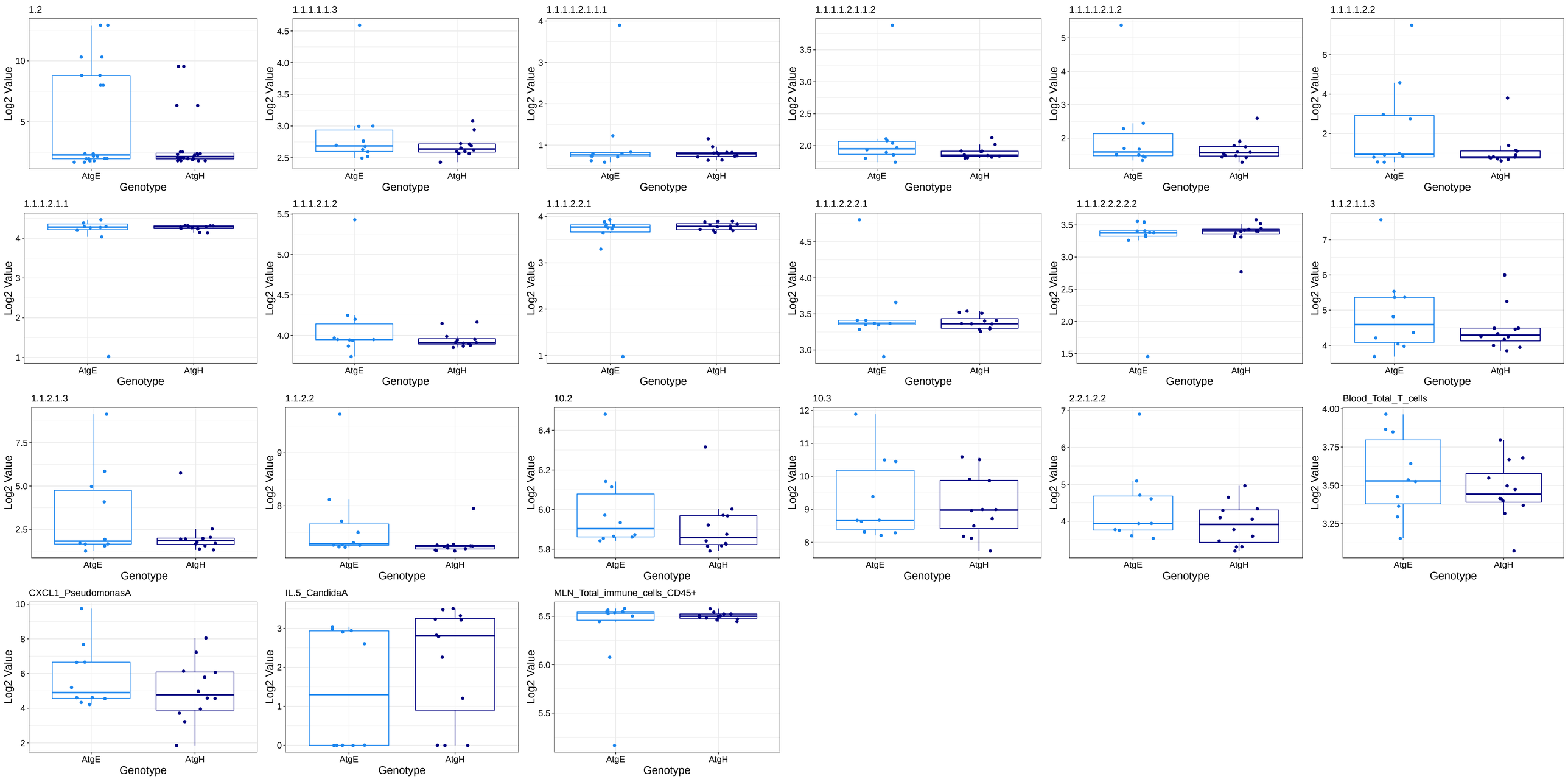
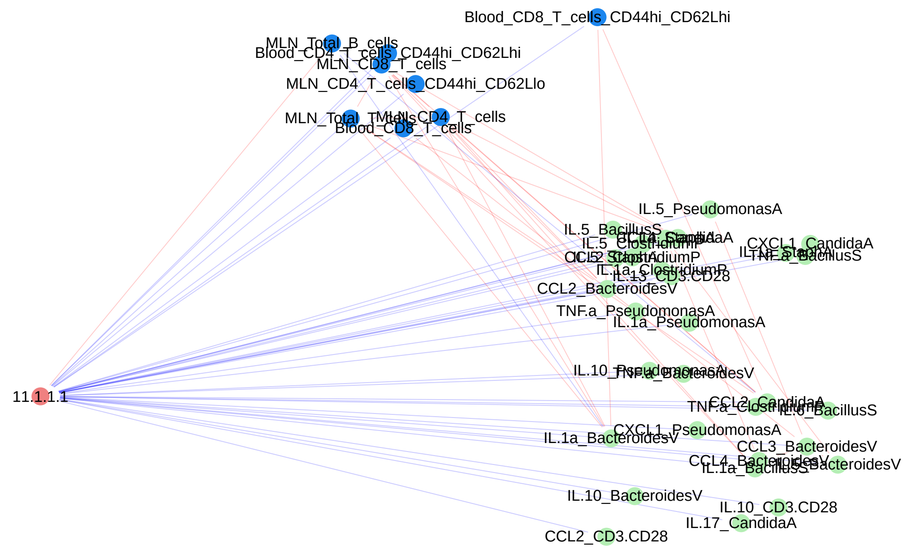
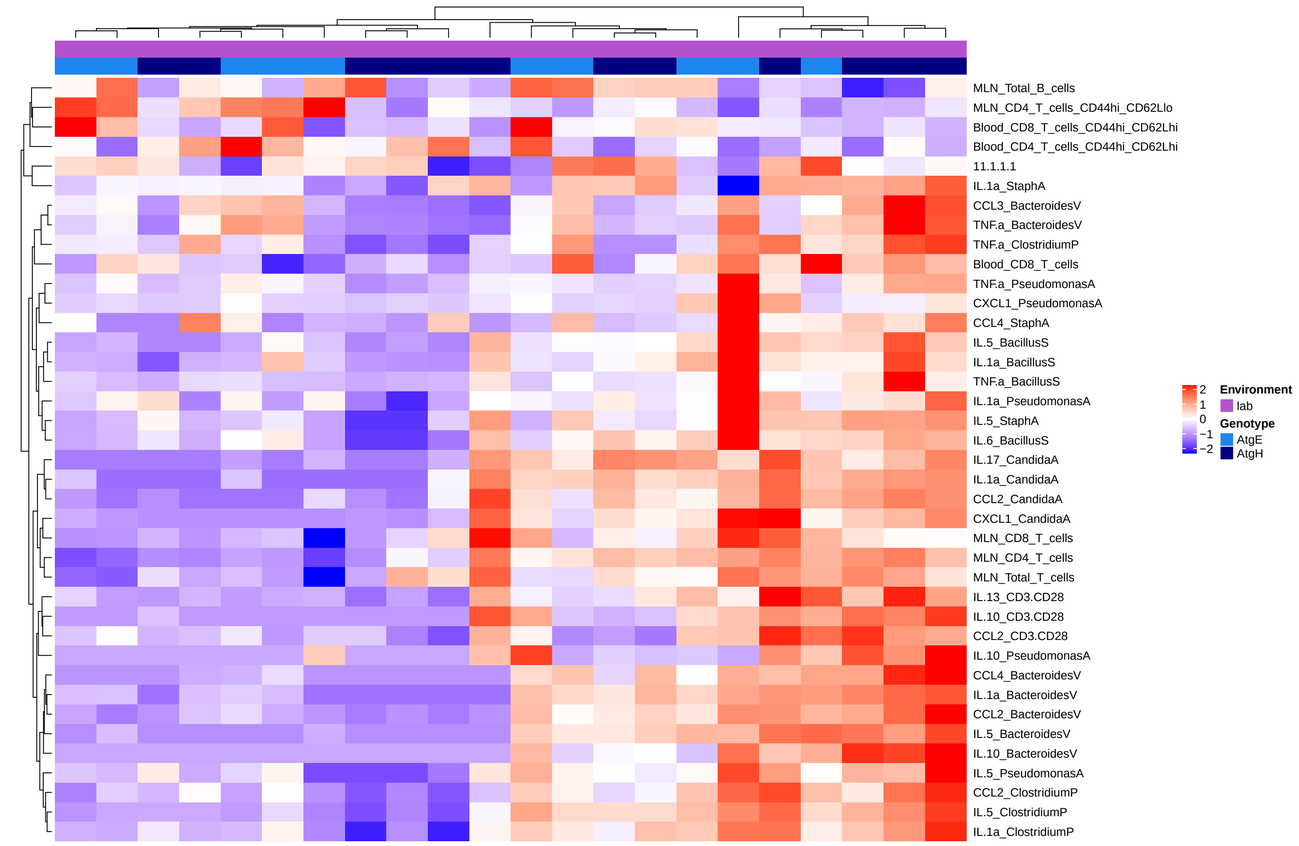
1.1.1.1.1.2.2
1.1.1.2.1.1
1.1.1.2.1.2
1.1.1.2.2.1
1.1.1.1.2.2.2.1
1.1.1.2.2.2.2.2
1.1.2.1.1.3
1.1.2.2
1.2
10.2
10.3
2.2.1.2.2
IL.5_CandidaA
Log2 Value
AtgE
AtgH
Genotype

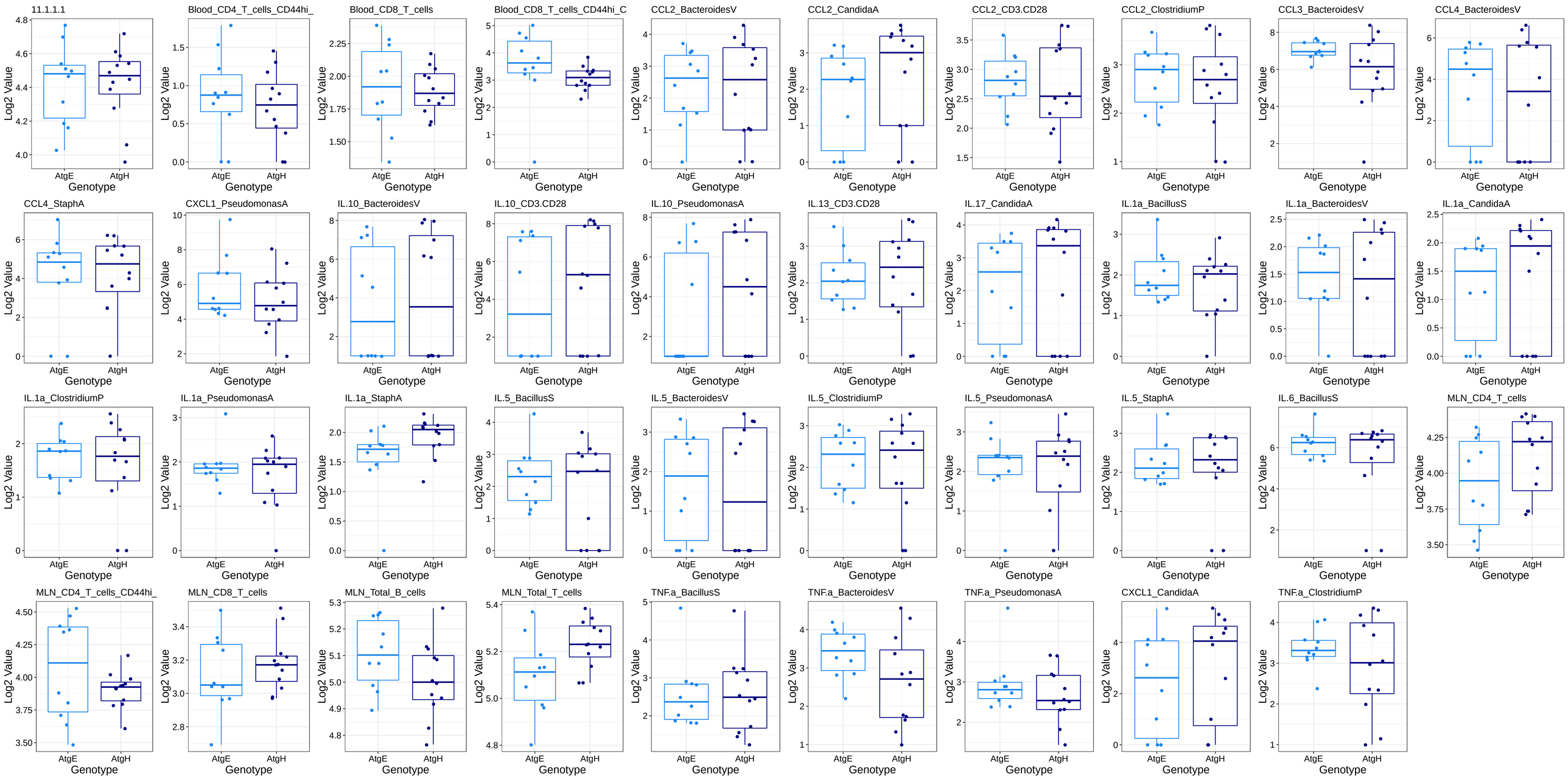

Blood_Total_T_cells
MLN_Total_immune_cells_CD45+
CXCL1_PseudomonasA
IL.5_CandidaA
10.3
1.1.1.2.2.2.1
1.1.2.1.3
1.2
1.1.2.2
1.1.1.1.2.1.1.2
1.1.1.1.1.3
1.1.1.2.2.2.2.2
1.1.1.1.2.1.1.1
1.1.2.1.1.3
10.2
1.1.1.1.2.2
1.1.1.2.1.1

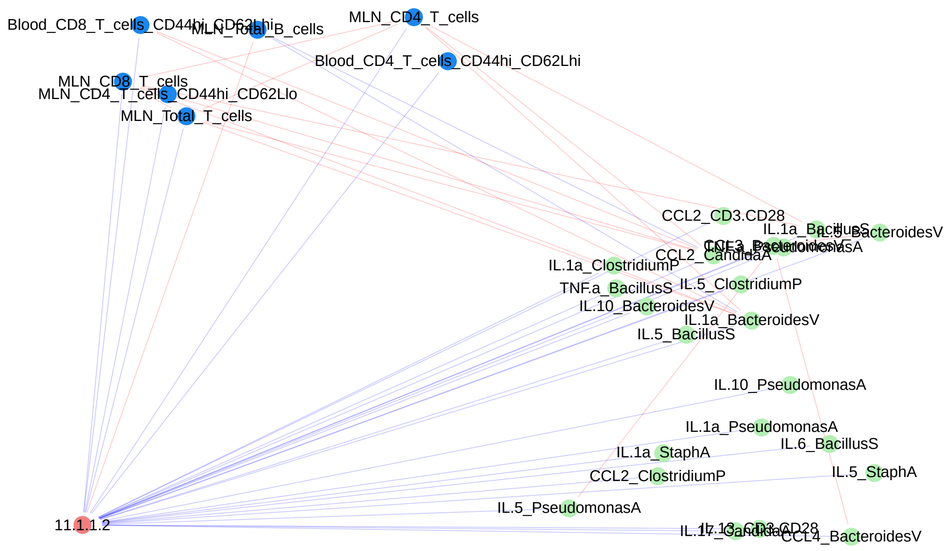

MLN_Total_immune_cells_CD45+
1.1.1.2.2.1
1.1.1.2.1.1
1.1.1.2.2.2.2.2
Blood_Total_T_cells
IL.5_CandidaA
CXCL1_PseudomonasA
1.1.2.1.1.3
2.2.1.2.2
1.1.1.1.2.2
1.1.2.1.3
1.2
1.2.1
1.1.2.2
1.1.1.2.1.2
1.1.1.2.2.2.1
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.1.3
10.3
10.2
Environment
lab
Genotype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

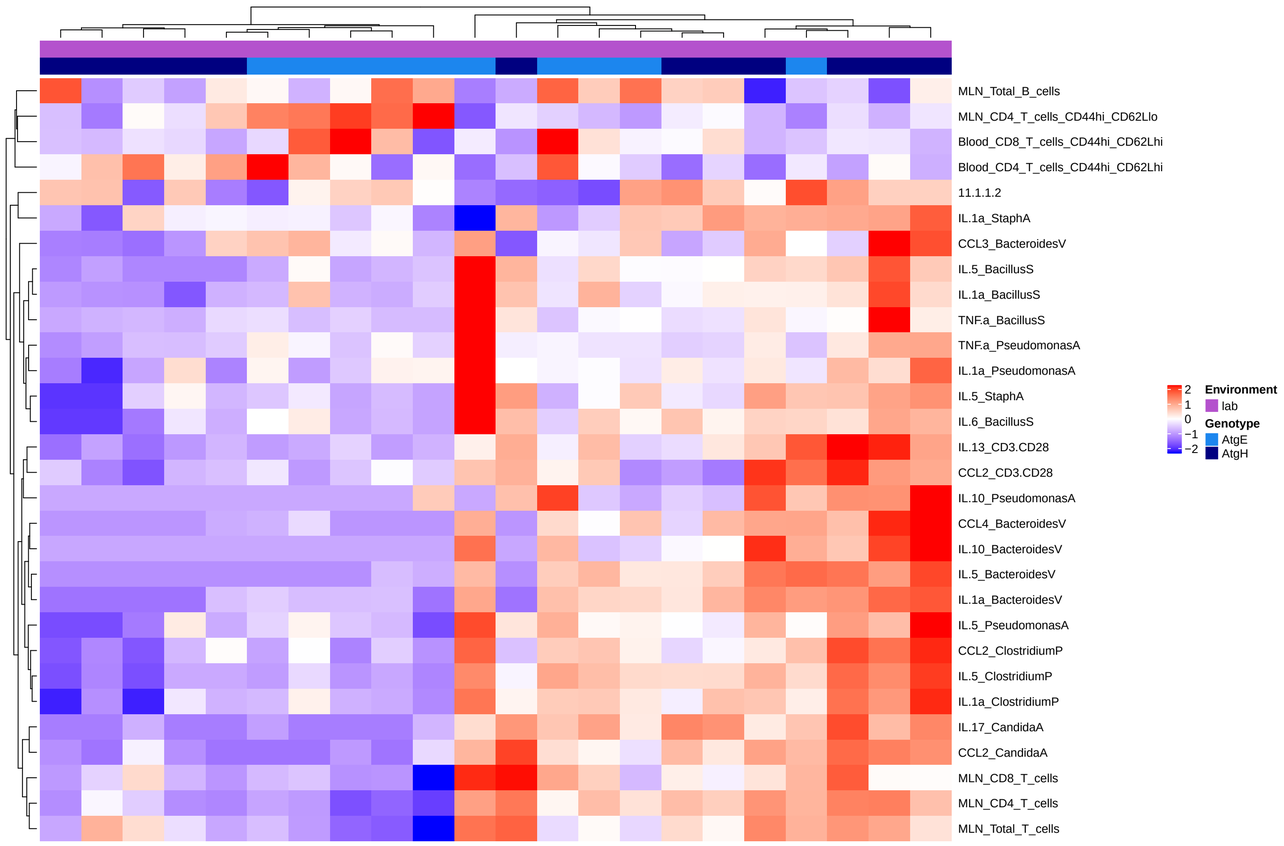

1.2
1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.2.2
1.1.1.1.2.1.1
1.1.1.2.2.1
1.1.1.2.1.2
1.1.1.2.2.1
1.1.1.2.2.2.1
1.1.1.2.2.2.2
1.1.2.1.1.3
1.1.2.1.3
1.1.2.2
10.2
10.3
2.2.1.2.2
Blood_Total_T_cells
CXCL1_PseudomonasA
IL.5_CandidaA
MLN_Total_immune_cells_CD45+
Log2 Value
Genotype
AtgE
AtgH

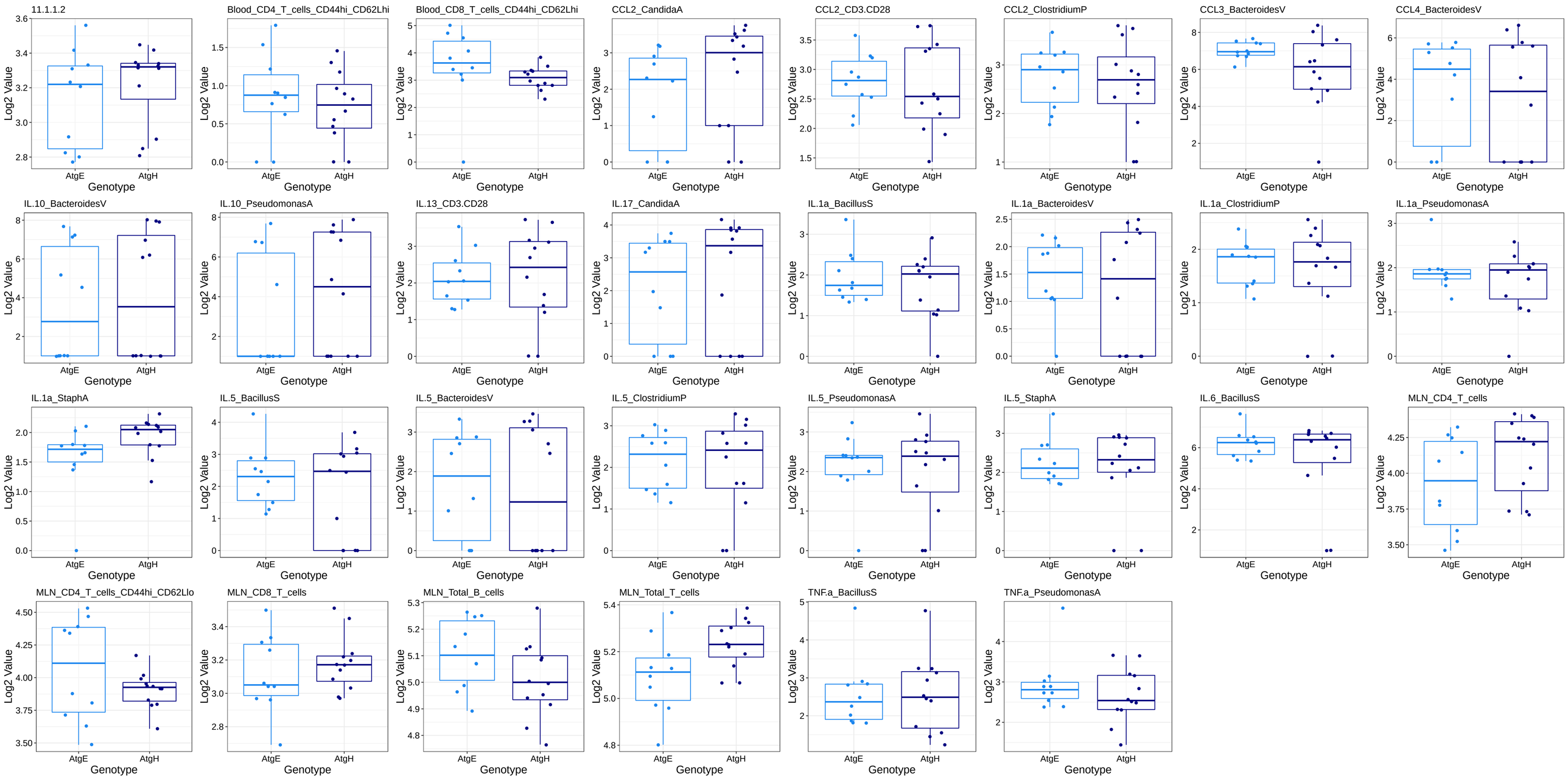

Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_B_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_CD4_T_cells_CD44hi_CD62Llo
MLN_Total_T_cells
MLN_CD4_T_cells
Blood_CD8_T_cells
IL.5_PseudomonasA
IL.5_BacillusS
CXCL1_CandidaA
CCL2_BacteroidesV
TNF.a_PseudomonasA
IL.1a_PseudomonasA
IL.10_PseudomonasA
11.1.1.1
CCL2_CandidaA
CXCL1_PseudomonasA
IL.1a_BacteroidesV
CCL3_BacteroidesV
IL.1a_BacillusS
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.17_CandidaA
CCL2_CD3.CD28

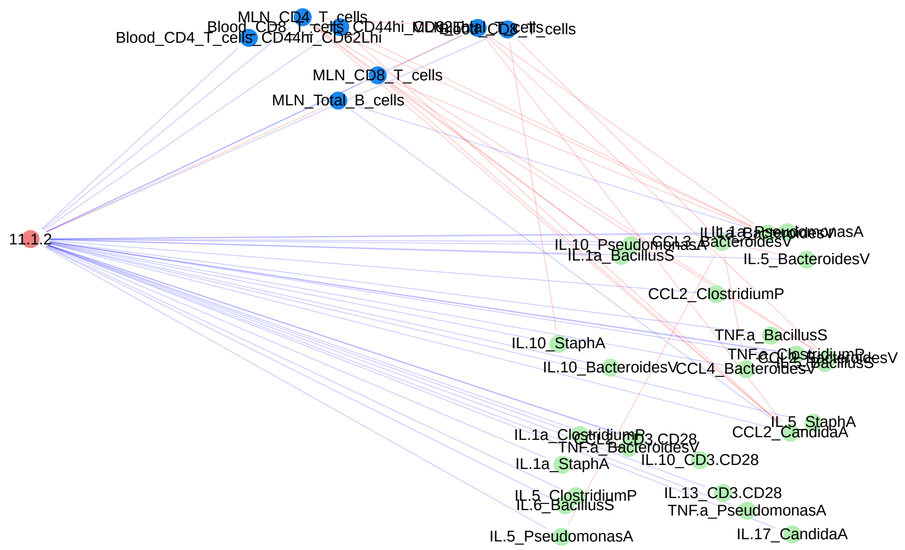

MLN_Total_B_cells
MLN_CD4_T_cells_CD44hi_CD62Llo
Blood_CD8_T_cells_CD44hi_CD62Lhi
Blood_CD4_T_cells_CD44hi_CD62Lhi
11.1.1.1
IL.1a_StaphA
CCL3_BacteroidesV
TNF.a_BacteroidesV
TNF.a_ClostridiumP
Blood_CD8_T_cells
TNF.a_PseudomonasA
CXCL1_PseudomonasA
CCL4_StaphA
IL.5_BacillusS
IL.1a_BacillusS
TNF.a_BacillusS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

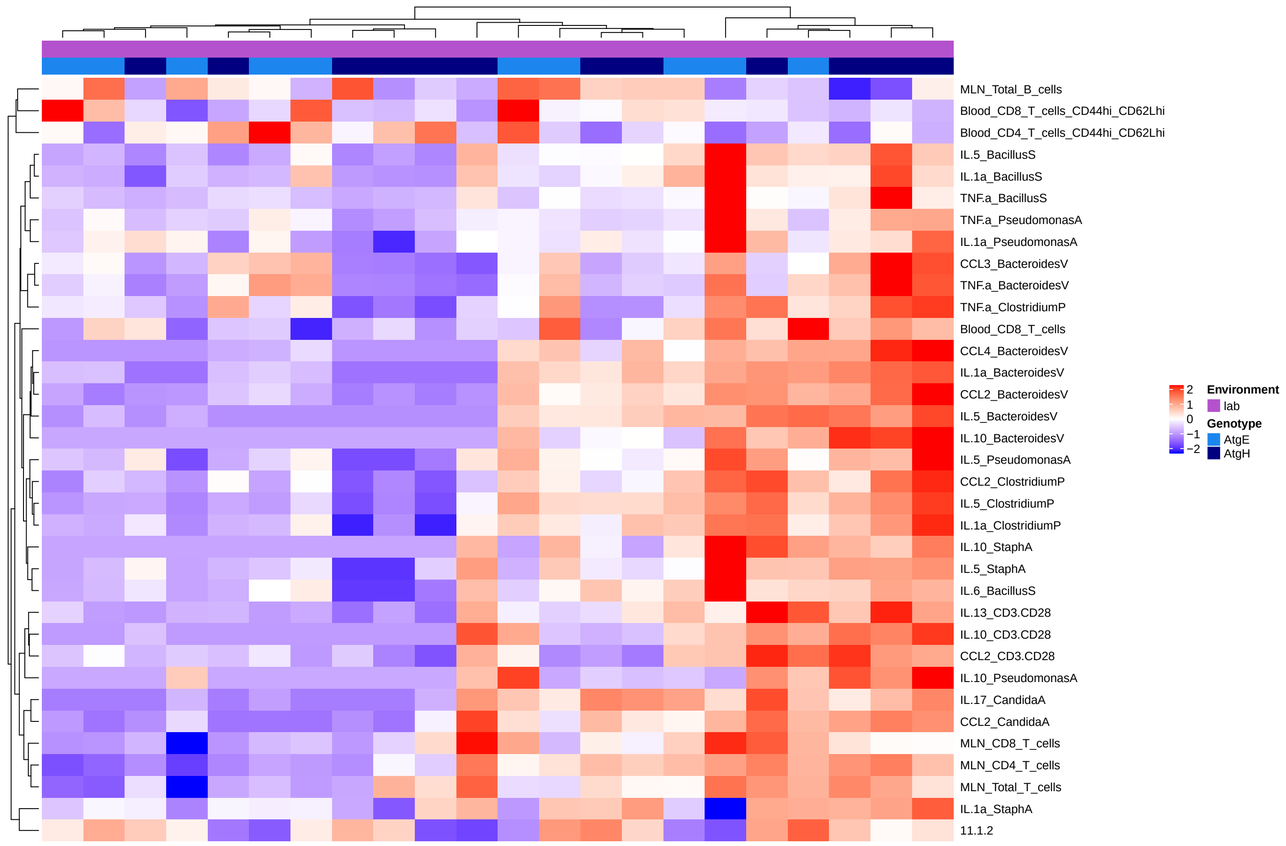

11.1.1.1
Blood_CD4_T_cells_CD44hi_
Blood_CD8_T_cells
Blood_CD8_T_cells_CD44hi_C
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
CCL4_BacteroidesV
CCL4_StaphA
CXCL1_PseudomonasA
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.10_PseudomonasA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
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
AtgE
AtgH

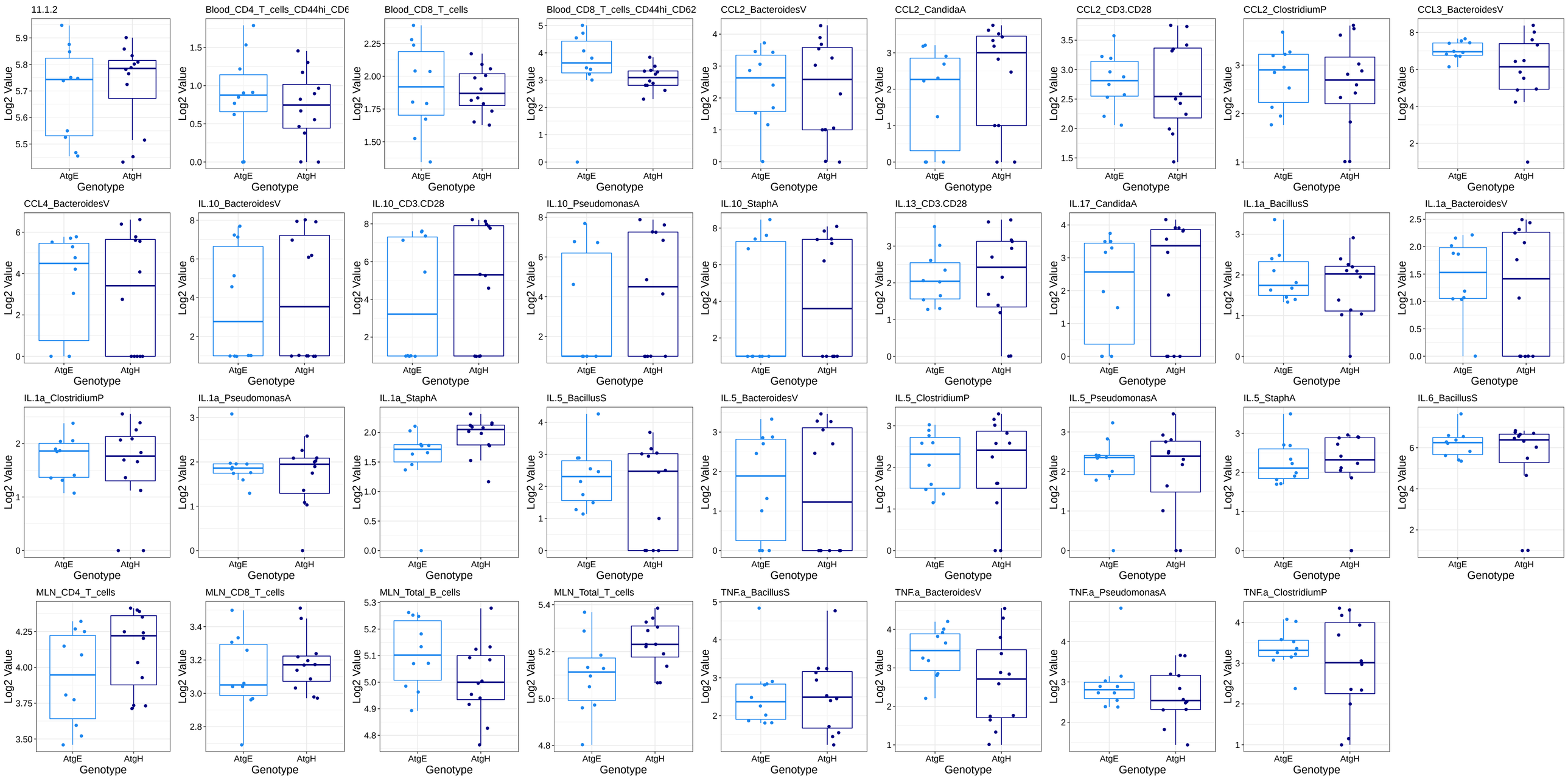

Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_Total_B_cells
MLN_CD4_T_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_CD4_T_cells_CD44hi_CD62Llo
MLN_Total_T_cells
CCL2_CD3.CD28
IL.1a_BacillusS
IL.1a_ClostridiumP
CCL2_CandidaA
TNF.a_BacillusS
IL.5_ClostridiumP
IL.10_BacteroidesV
IL.1a_BacteroidesV
IL.5_BacillusS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

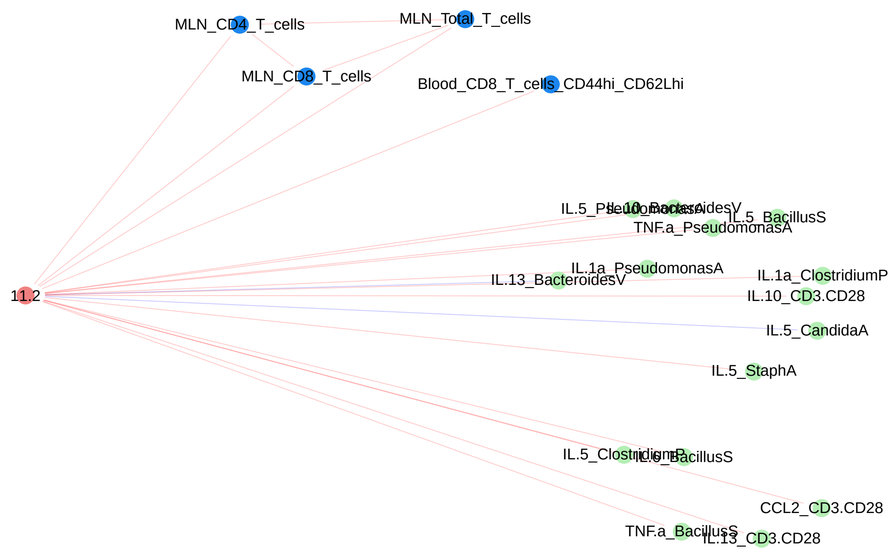

MLN_Total_B_cells
MLN_CD4_T_cells_CD44hi_CD62Llo
Blood_CD8_T_cells_CD44hi_CD62Lhi
Blood_CD4_T_cells_CD44hi_CD62Lhi
11.1.1.2
IL.1a_StaphA
CCL3_BacteroidesV
IL.5_BacillusS
IL.1a_BacillusS
TNF.a_BacillusS
TNF.a_PseudomonasA
IL.1a_PseudomonasA
IL.5_StaphA
IL.6_BacillusS
IL.13_CD3.CD28
CCL2_CD3.CD28
IL.10_PseudomonasA
CCL4_BacteroidesV
IL.10_BacteroidesV
IL.5_BacteroidesV
IL.1a_BacteroidesV
IL.5_PseudomonasA
CCL2_ClostridiumP
IL.5_ClostridiumP
IL.1a_ClostridiumP
IL.17_CandidaA
CCL2_CandidaA
MLN_CD8_T_cells
MLN_CD4_T_cells
MLN_Total_T_cells
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

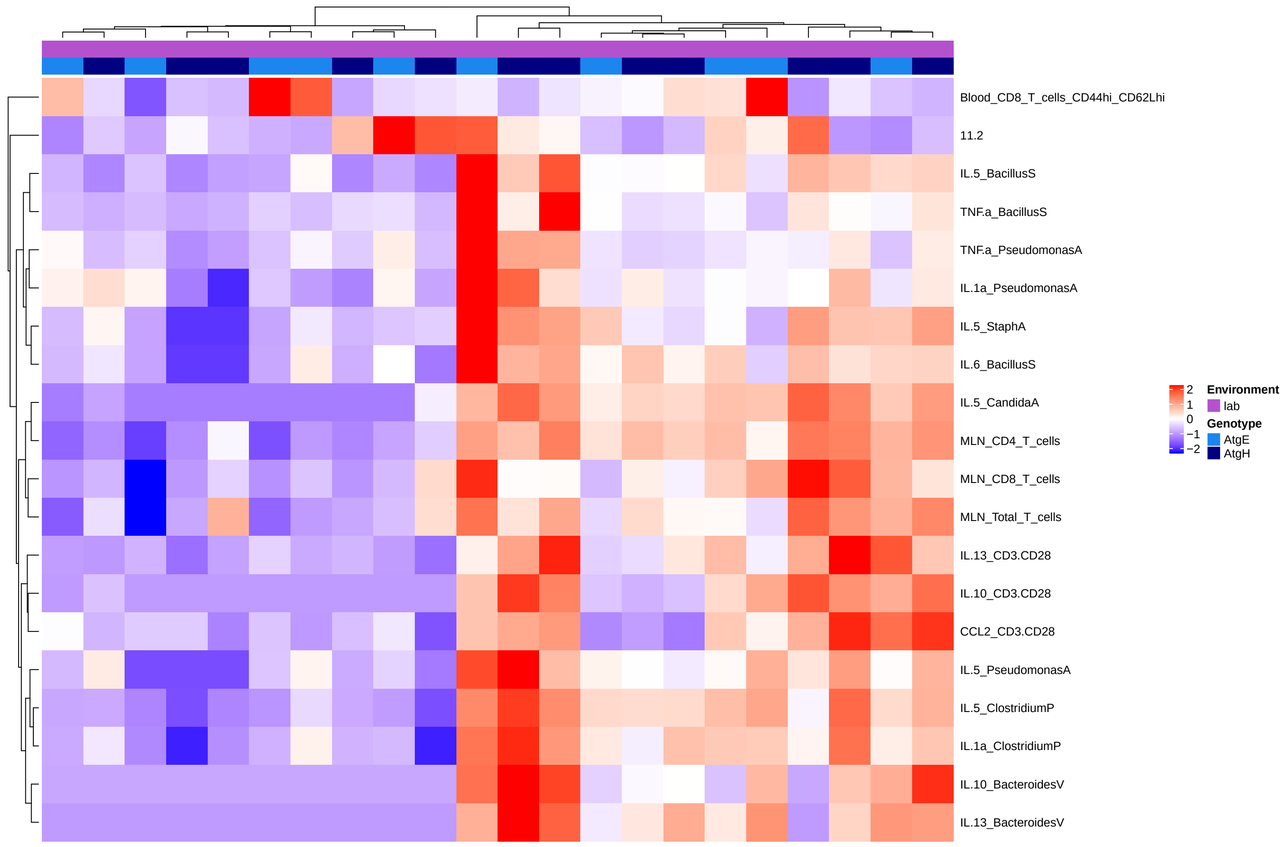

11.1.1.2
Blood_CD4_T_cells_CD44hi_CD62Lhi
Blood_CD8_T_cells_CD44hi_CD62Lhi
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
CCL4_BacteroidesV
IL.10_BacteroidesV
IL.10_PseudomonasA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.1a_StaphA
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
AtgE
AtgH

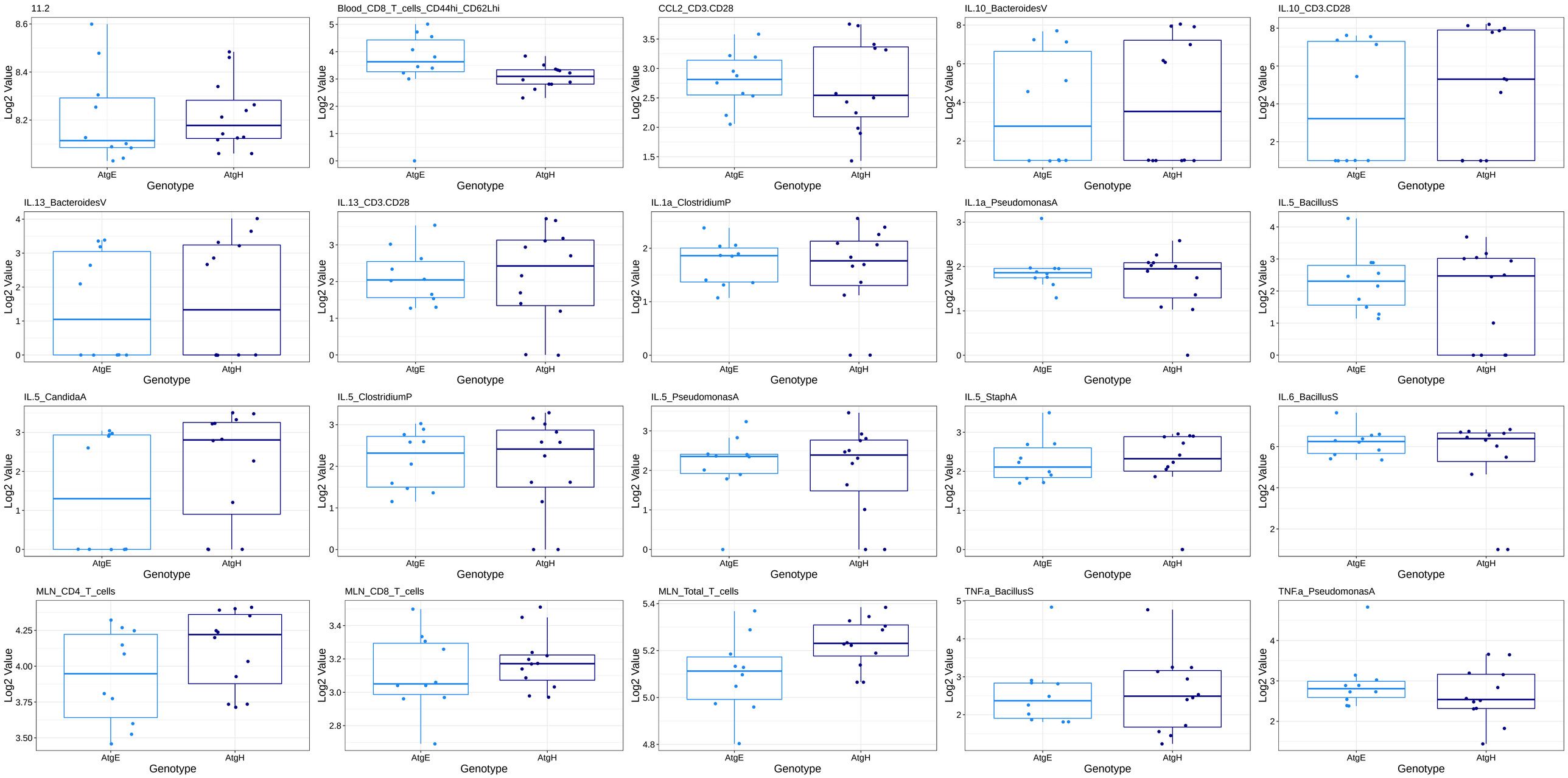

MLN_CD4_T_cells
Blood_CD8_T_cells
Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_Total_B_cells
11.1.2
IL.10_Pseudomonas
IL.1a_BacillusS
IL.5_BacteroidesV
CCL2_ClostridiumP
IL.10_StaphA
TNF.a_BacillusS
IL.10_BacteroidesV
CCL4_BacteroidesV
IL.5_StaphA
CCL2_CandidaA
IL.1a_StaphA
IL.10_CD3.CD28
IL.5_ClostridiumP
IL.6_BacillusS
IL.13_CD3.CD28
TNF.a_PseudomonasA
IL.5_PseudomonasA
IL.17_CandidaA

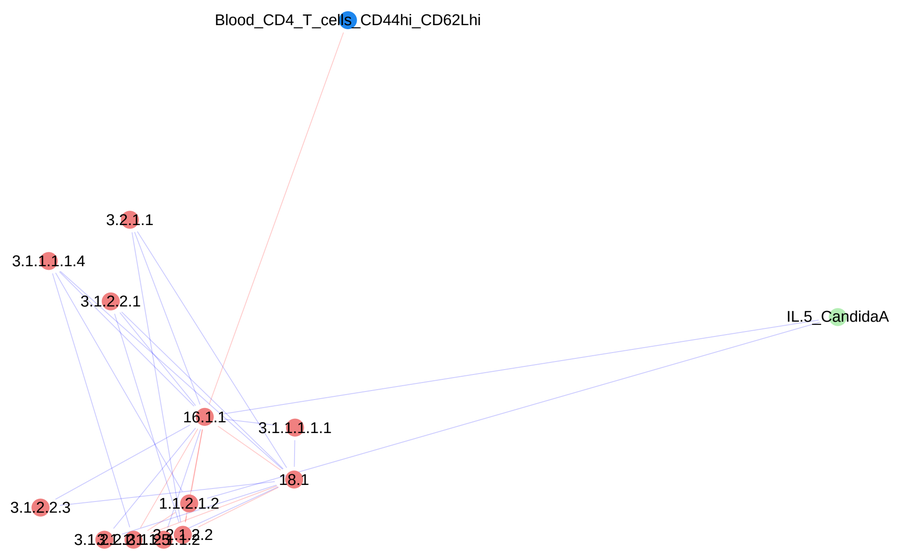

MLN_Total_B_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_BacillusS
IL.1a_BacillusS
TNF.a_BacillusS
TNF.a_PseudomonasA
IL.1a_PseudomonasA
CCL3_BacteroidesV
TNF.a_BacteroidesV
TNF.a_ClostridiumP
Blood_CD8_T_cells
CCL4_BacteroidesV
IL.1a_BacteroidesV
CCL2_BacteroidesV
IL.5_BacteroidesV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

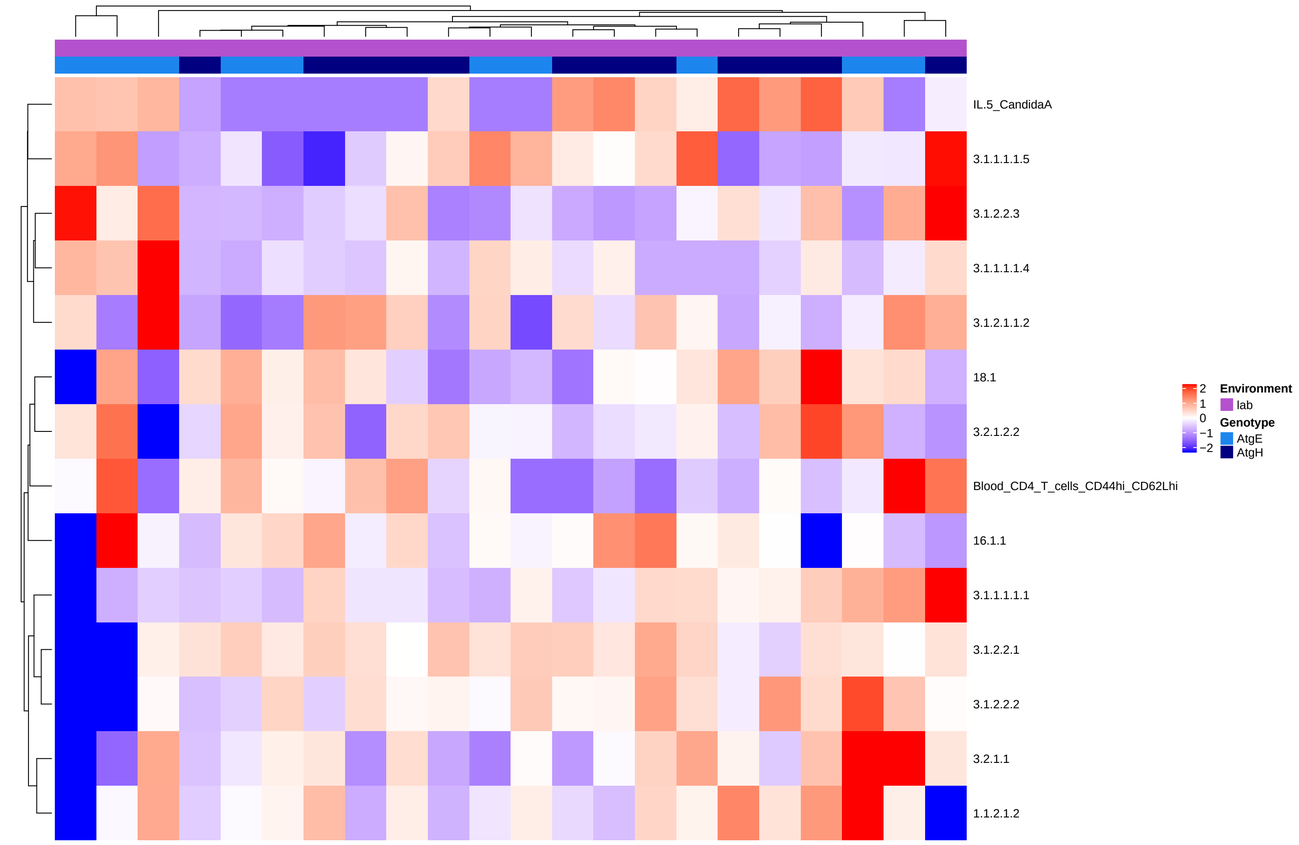

11.1.2
Blood_CD4_T_cells_CD44hi_CD6
Blood_CD8_T_cells
Blood_CD8_T_cells_CD44hi_CD62
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_CD3.CD28
CCL2_ClostridiumP
CCL3_BacteroidesV
CCL4_BacteroidesV
IL.10_BacteroidesV
IL.10_CD3.CD28
IL.10_PseudomonasA
IL.10_StaphA
IL.13_CD3.CD28
IL.17_CandidaA
IL.1a_BacillusS
IL.1a_BacteroidesV
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_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
AtgE
AtgH
Genotype


MLN_CD4_T_cells
MLN_Total_T_cells
MLN_CD8_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
IL.5_BacillusS
TNF.a_PseudomonasA
IL.1a_PseudomonasA
IL.13_BacteroidesV
IL.1a_ClostridiumP
IL.10_CD3.CD28
11.2
IL.5_CandidaA
IL.5_StaphA
IL.5_ClostridiumP
IL.5_BacillusS
CCL2_CD3.CD28
TNF.a_BacillusS
IL.13_CD3.CD28


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


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
AtgE
AtgH


Blood_CD4_T_cells_CD44hi_CD62Lhi
3.2.1.1
3.1.1.1.1.4
3.1.2.2.1
IL.5_CandidaA
16.1.1
3.1.1.1.1.1
18.1
3.1.2.2.3
1.1.2.1.2


IL.5_CandidaA
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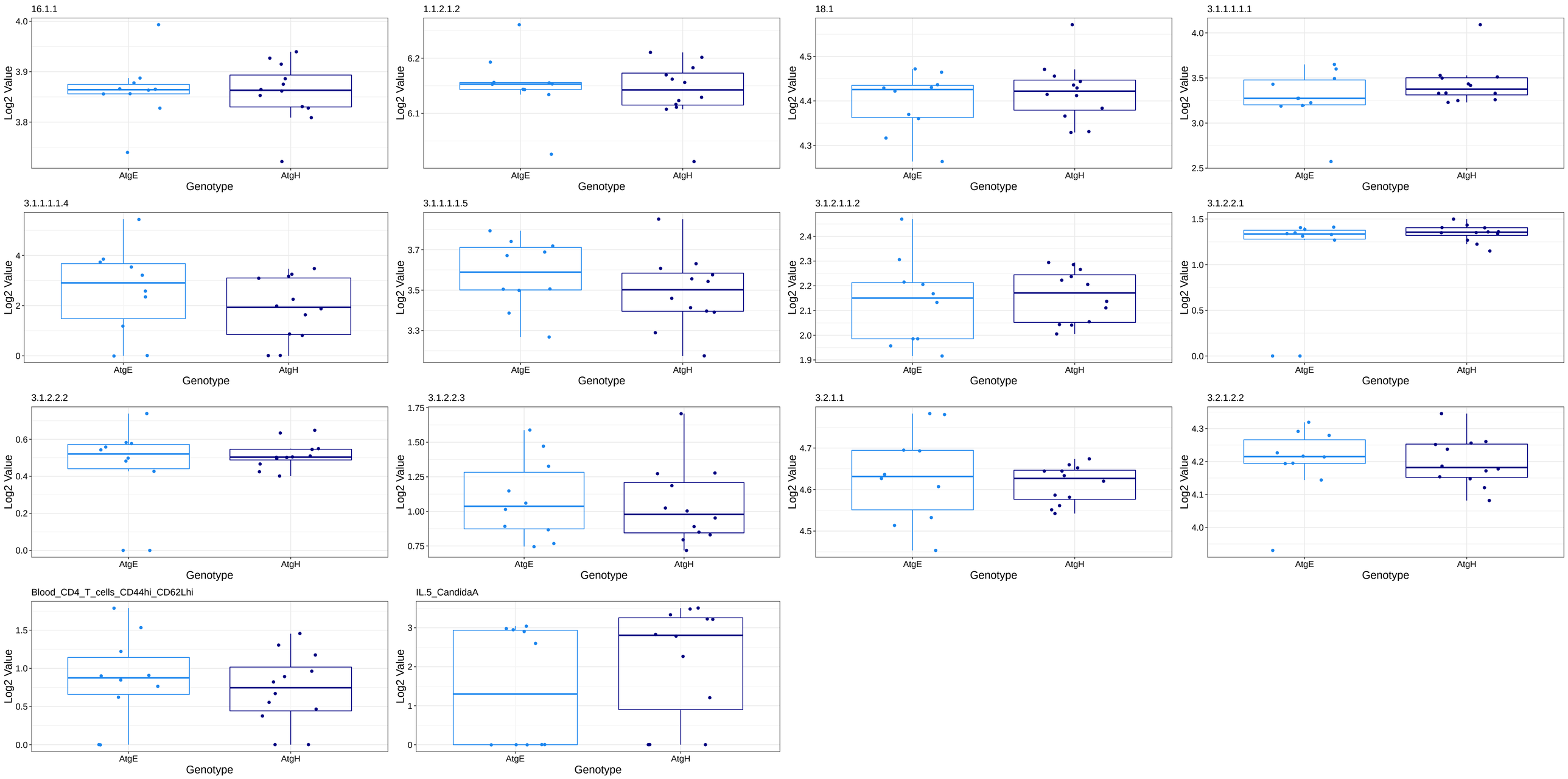
3.1.2.2.3
3.1.1.1.1.4
3.1.2.1.1.2
18.1
3.2.1.2.2
Blood_CD4_T_cells_CD44hi_CD62Lhi
16.1.1
3.1.1.1.1.1
3.1.2.2.1
3.1.2.2.2
3.2.1.1
1.1.2.1.2
Environment
lab
Genotype
AtgE
AtgH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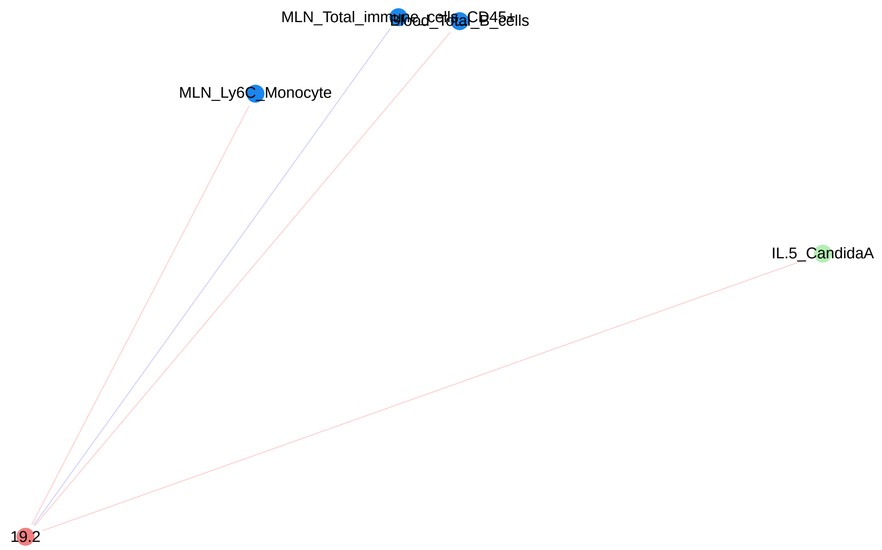
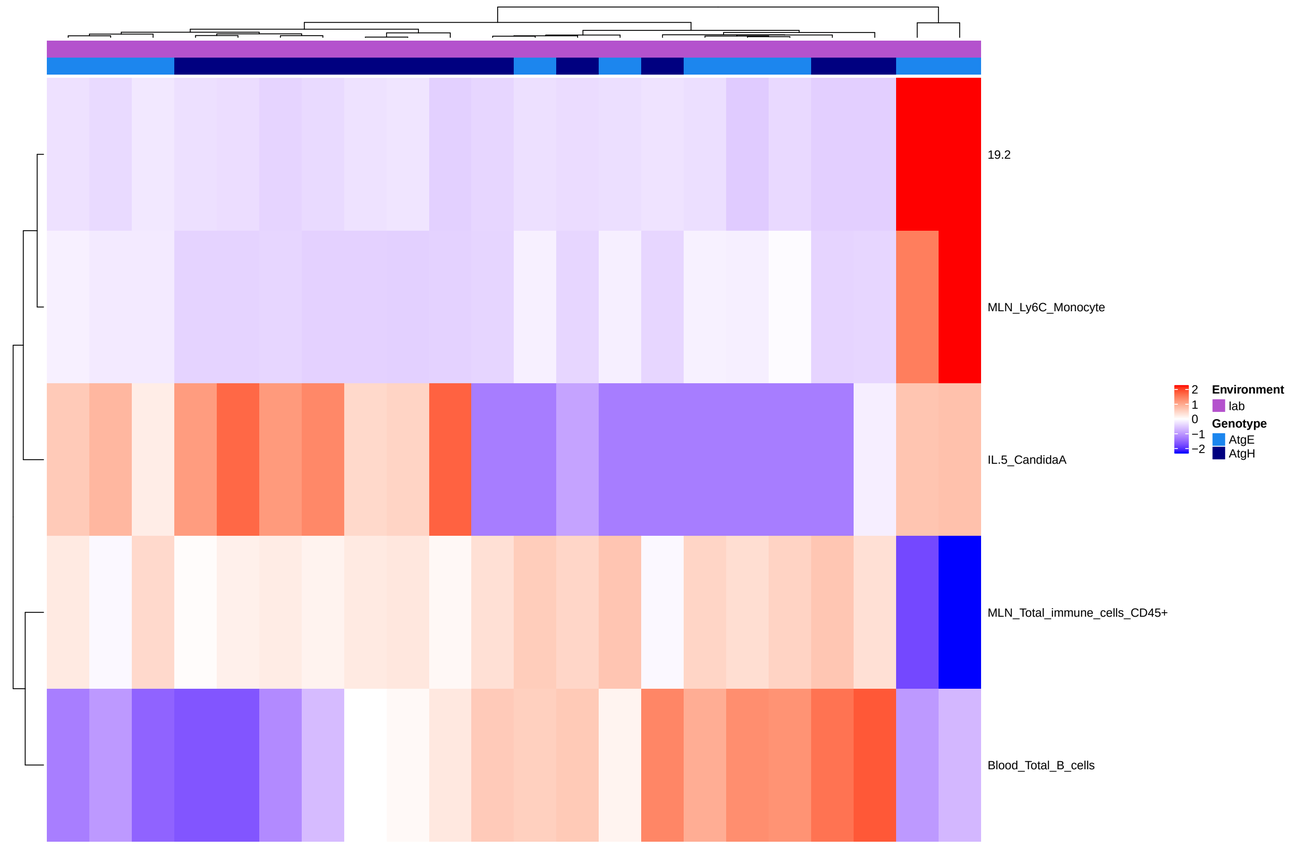
18.1
3.1.1.1.1.1
3.1.1.1.1.4
3.1.1.1.1.5
3.1.2.1.1.2
3.1.2.2.1
3.1.2.2.2
3.1.2.2.3
3.2.1.1
3.2.1.2.2
Blood_CD4_T_cells_CD44hi_CD62Lhi
IL.5_CandidaA
Log2 Value
Genotype
AtgE
AtgH


MLN_Total_immune_cells_CD45+
Blood_Total_B_cells
MLN_Ly6C_Monocyte
IL.5_CandidaA
19.2


19.2
MLN_Ly6C_Monocyte
IL.5_CandidaA
MLN_Total_immune_cells_CD45+
Blood_Total_B_cells
2
1
0
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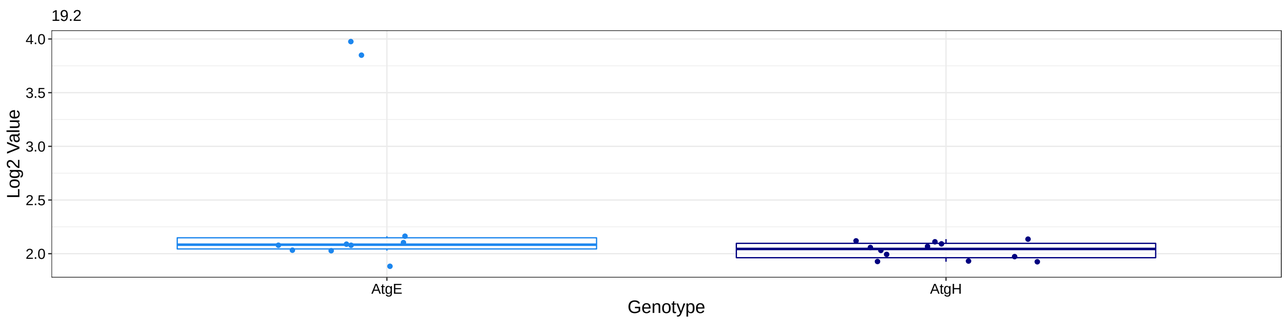
−2
Environment
lab
Genotype
AtgE
AtgH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Log2 Value
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3.5
3.0
2.5
2.0
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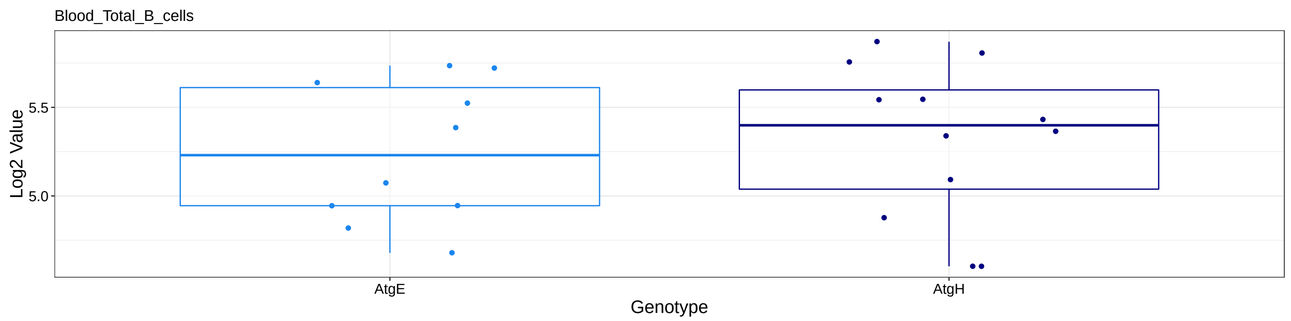
Genotype


Blood_Total_B_cells
Log2 Value
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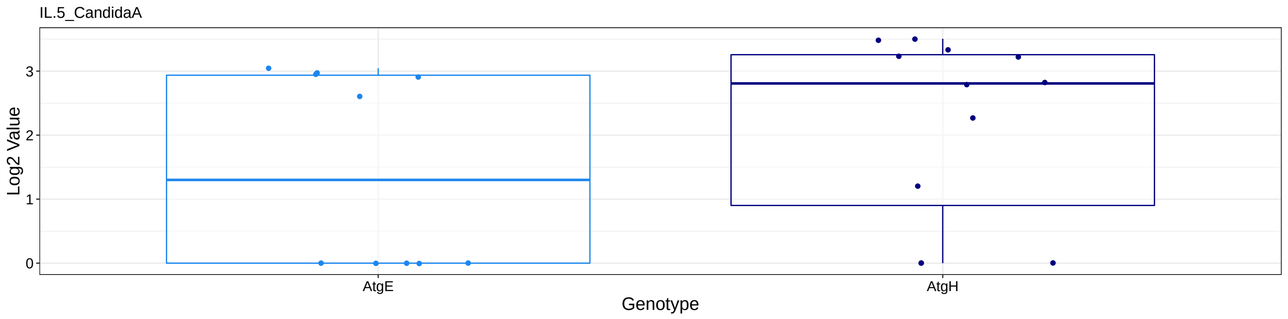
5.0
AtgE
AtgH
Genotype


IL.5_CandidaA
Log2 Value
3
2
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0
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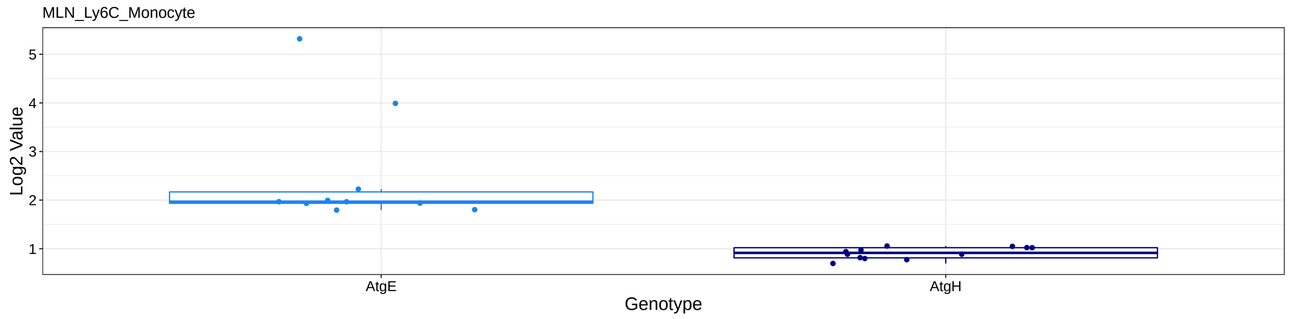
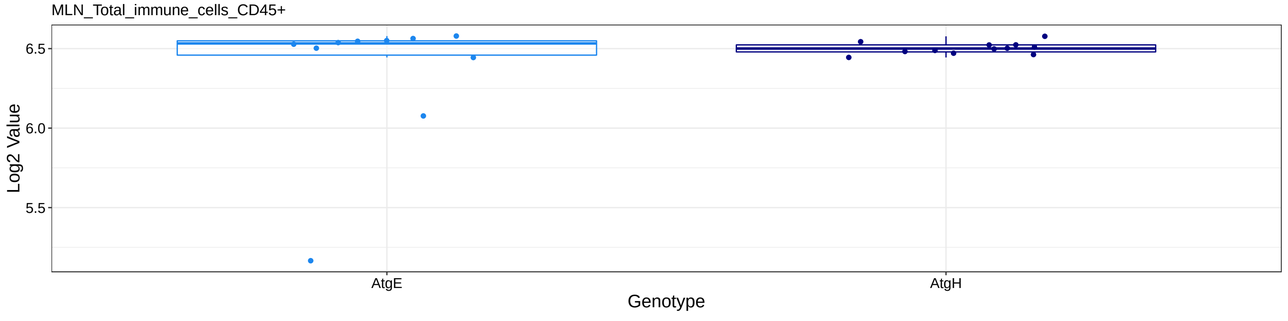
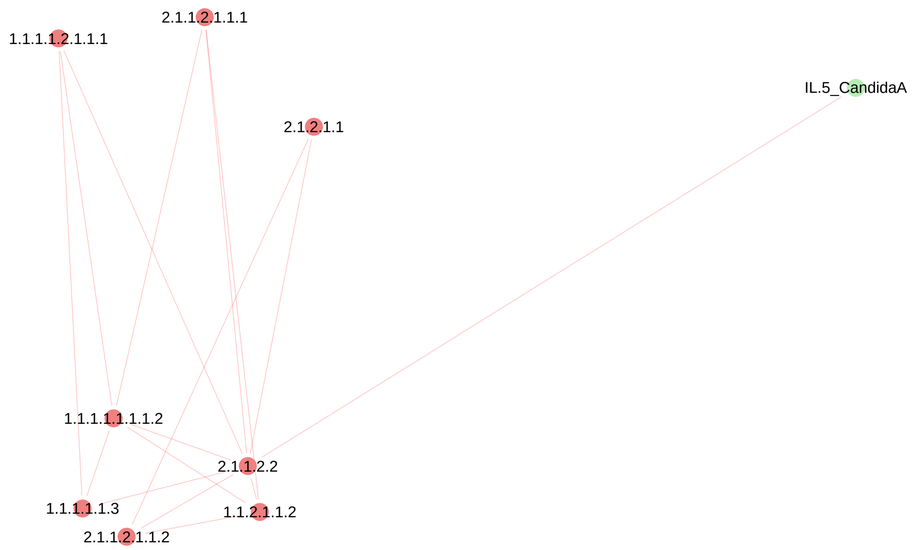
AtgH
Genotype


MLN_Ly6C_Monocyte
Log2 Value
5
4
3
2
1
AtgE
AtgH
Genotype


MLN_Total_immune_cells_CD45+
Log2 Value
6.5
6.0
5.5
AtgE
AtgH
Genotype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2.1.2.1.1
IL.5_CandidaA
1.1.1.1.1.1.1.2
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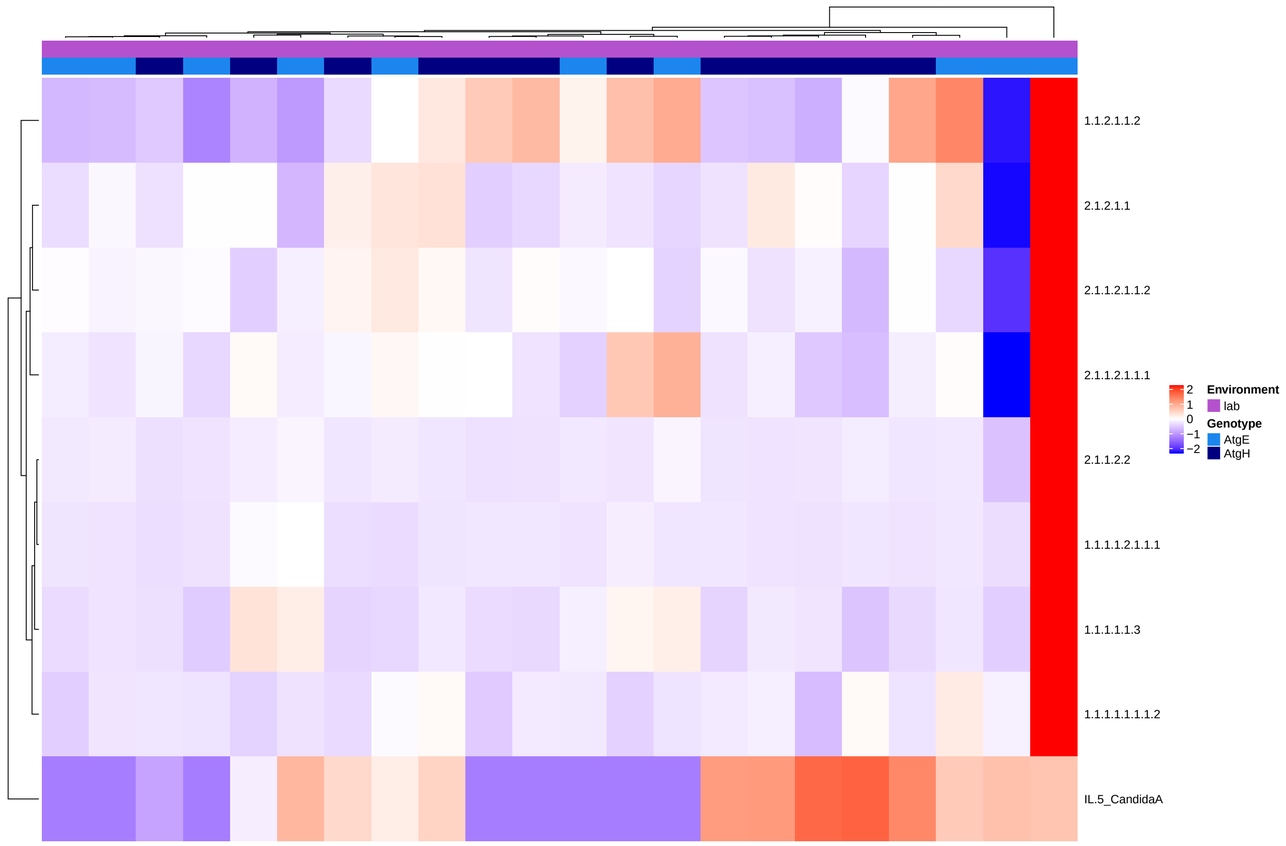
1.1.1.1.1.3
1.1.2.1.1.2
2.1.1.2.1.1.2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2.1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.1.2.2
1.1.1.1.2.1.1.1
1.1.1.1.1.3
1.1.1.1.1.1.1.2
IL.5_CandidaA
Environment
lab
Genotype
AtgE
AtgH
2
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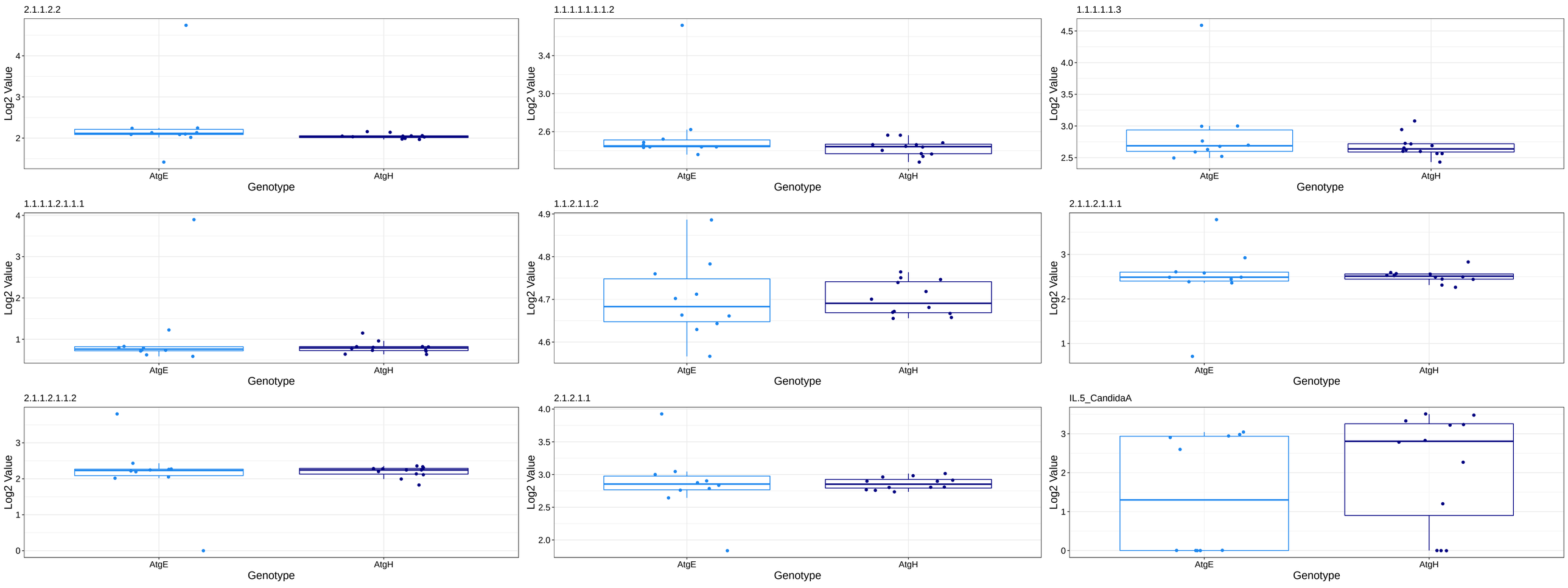
0
−1
−2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2.1.1.2.1.1.1
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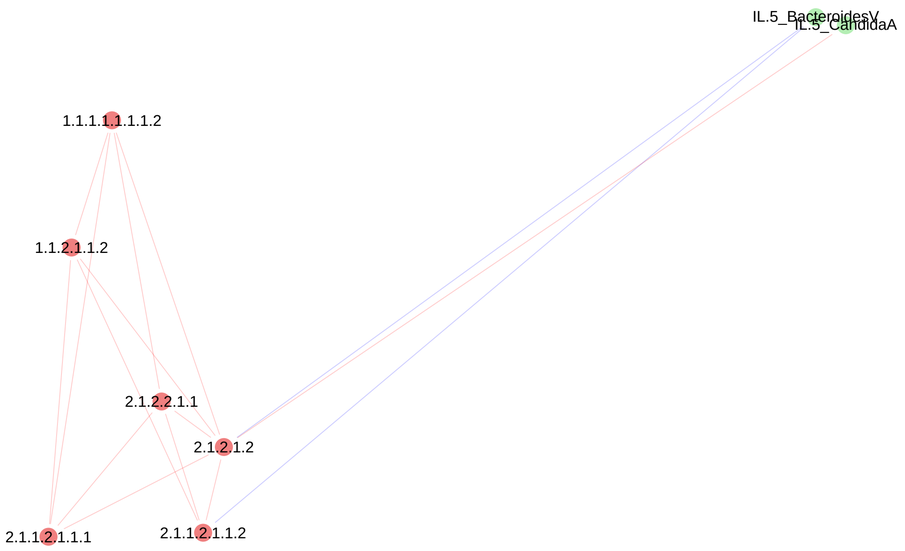
2.1.2.1.1
IL.5_CandidaA
Log2 Value
Genotype
AtgE
AtgH


IL.5_BacteroidesV
IL.5_CandidaA
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1.1.2.1.1.2
2.1.2.2.1.1
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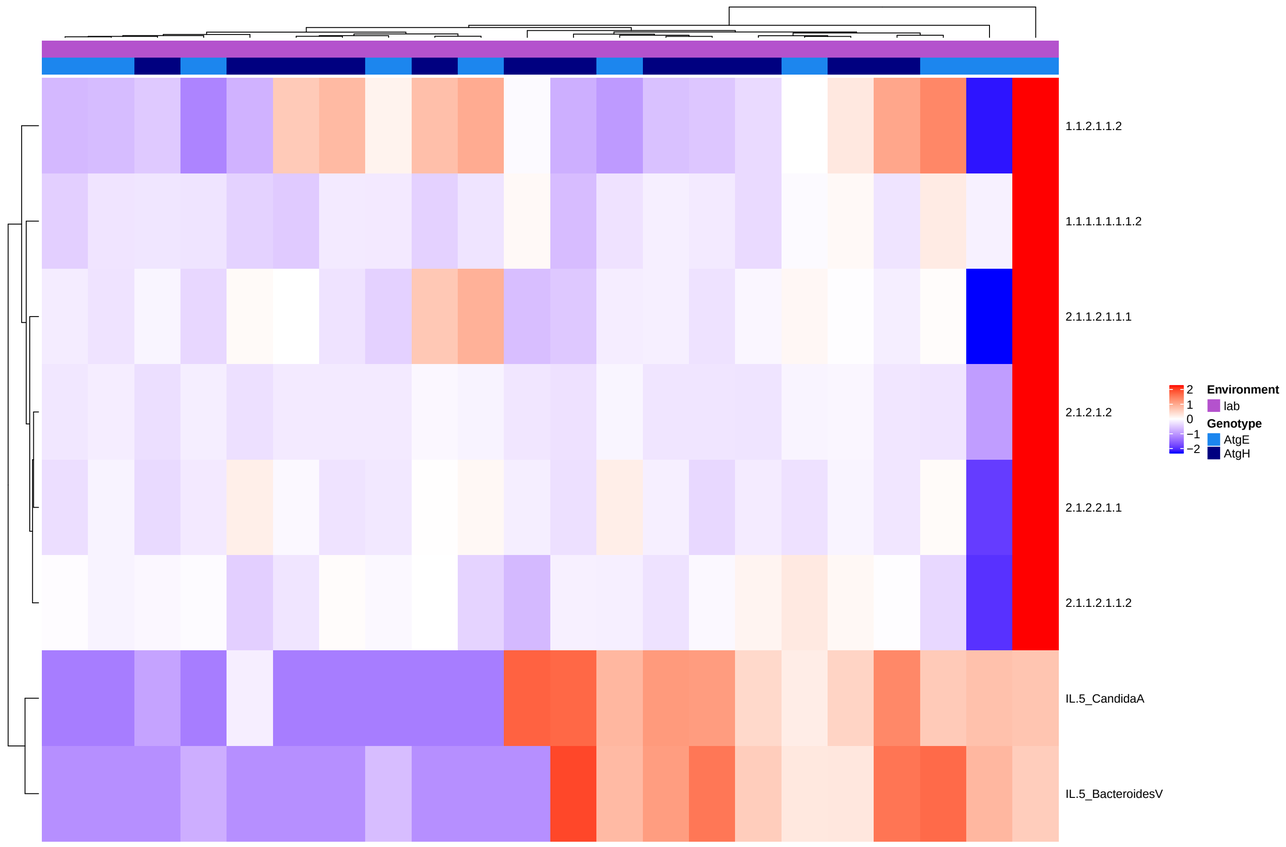
2.1.1.2.1.1.2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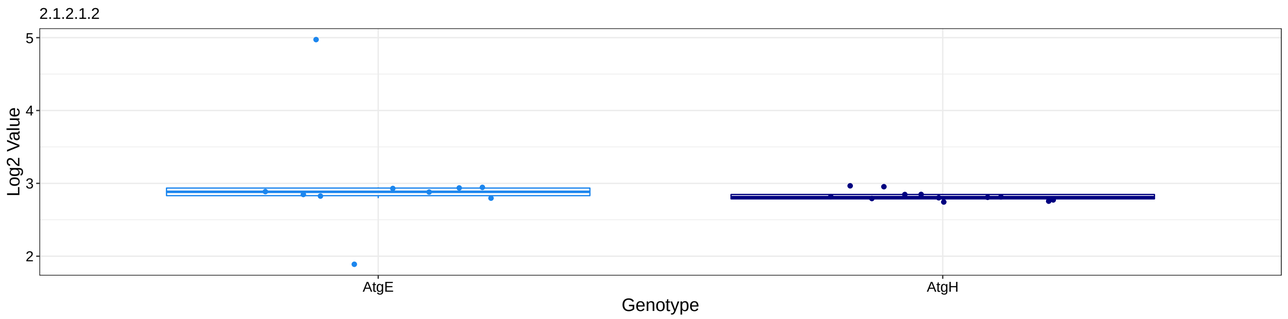
2.1.1.2.1.1.1
2.1.2.1.2
2.1.2.2.1.1
2.1.1.2.1.1.2
IL.5_CandidaA
IL.5_BacteroidesV
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2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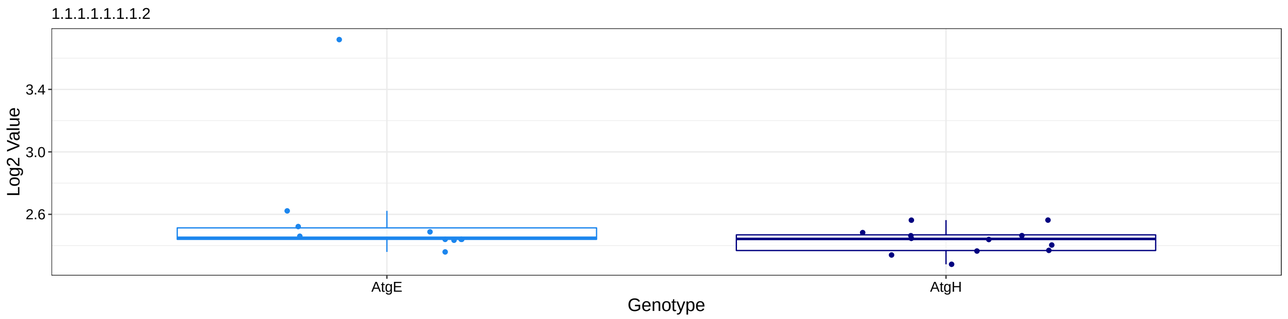
Log2 Value
Genotype
AtgE
AtgH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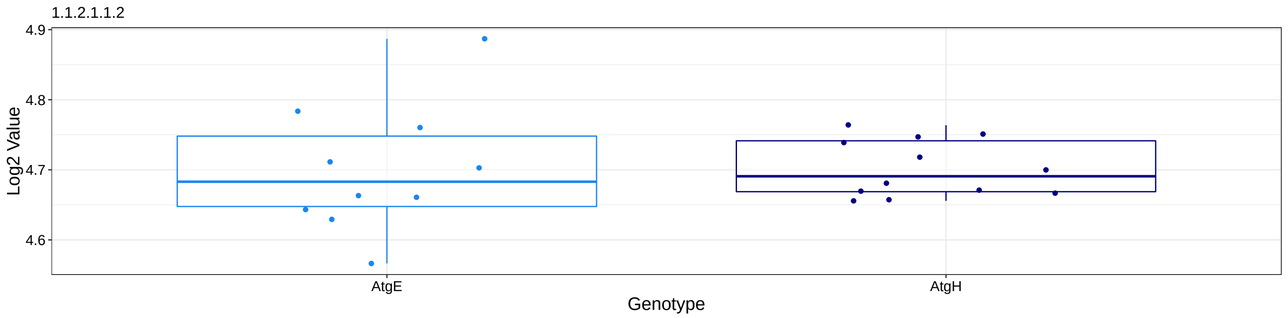
Log2 Value
Genotype
AtgE
AtgH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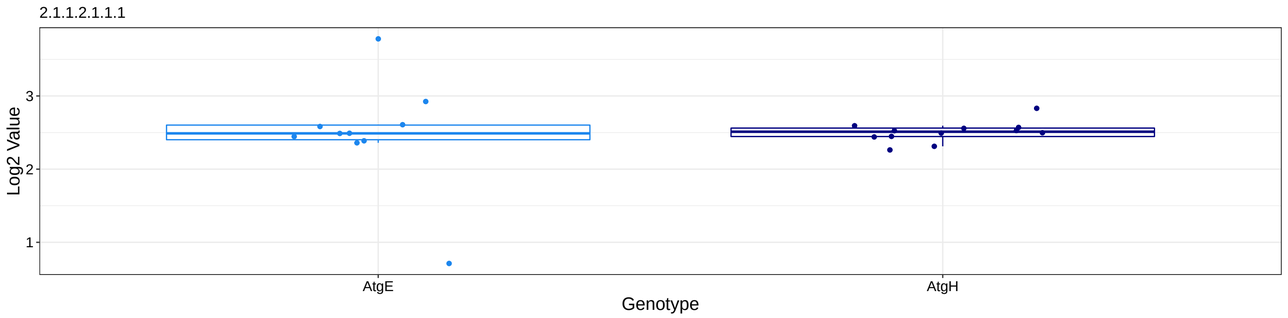
Log2 Value
Genotype
AtgE
AtgH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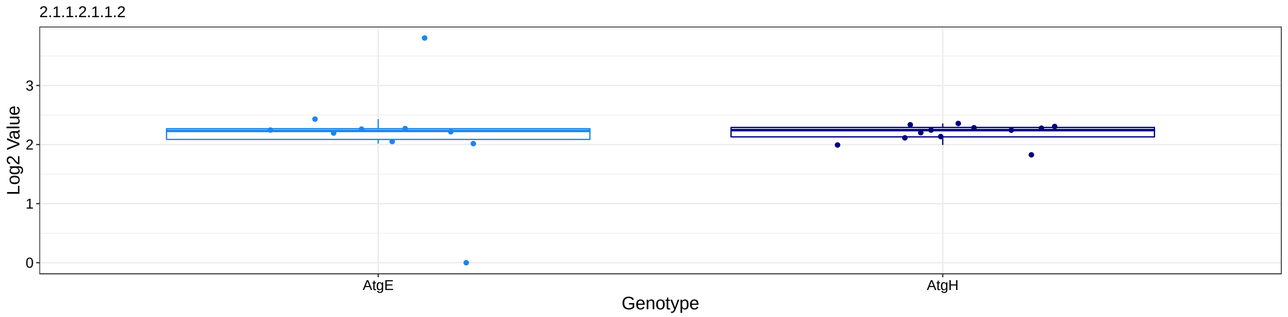
Log2 Value
Genotype
AtgE
AtgH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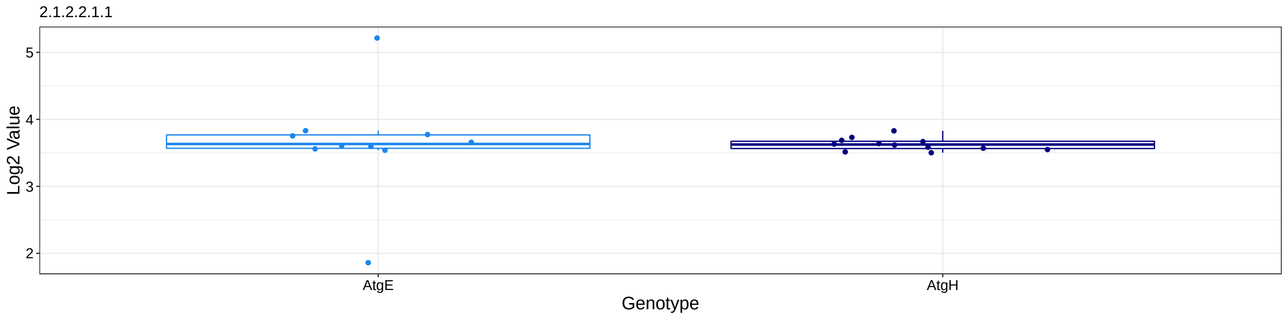
Log2 Value
Genotype
AtgE
AtgH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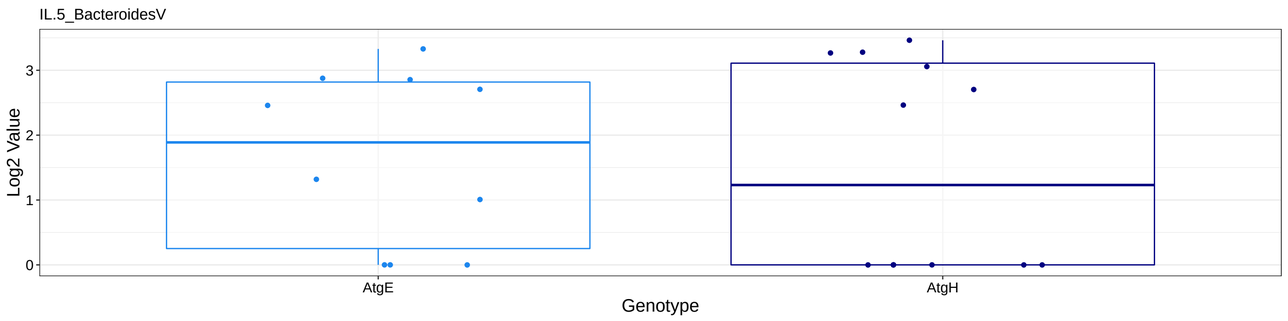
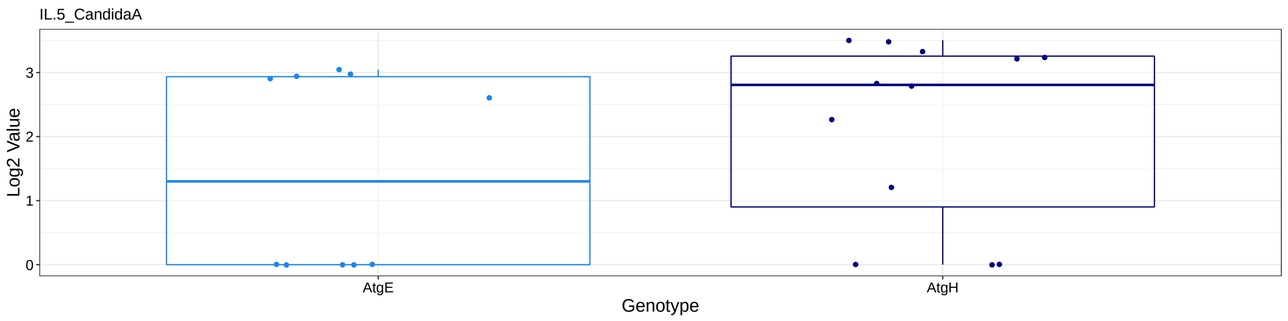
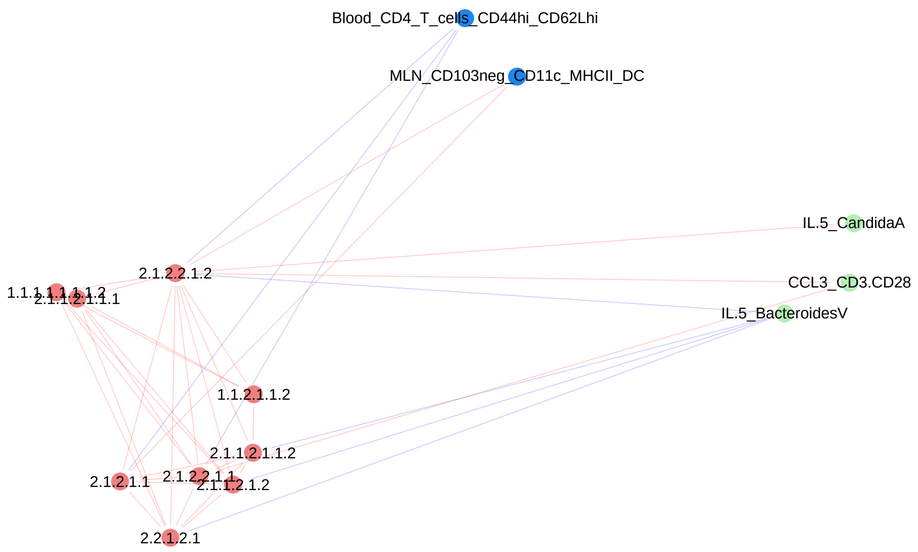
Log2 Value
Genotype
AtgE
AtgH


IL.5_BacteroidesV
Log2 Value
Genotype
AtgE
AtgH


IL.5_CandidaA
Log2 Value
Genotype
AtgE
AtgH


Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD103neg_CD11c_MHCII_DC
IL.5_CandidaA
CCL3_CD3.CD28
IL.5_BacteroidesV
2.1.2.2.1.2
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1.1.2.1.1.2
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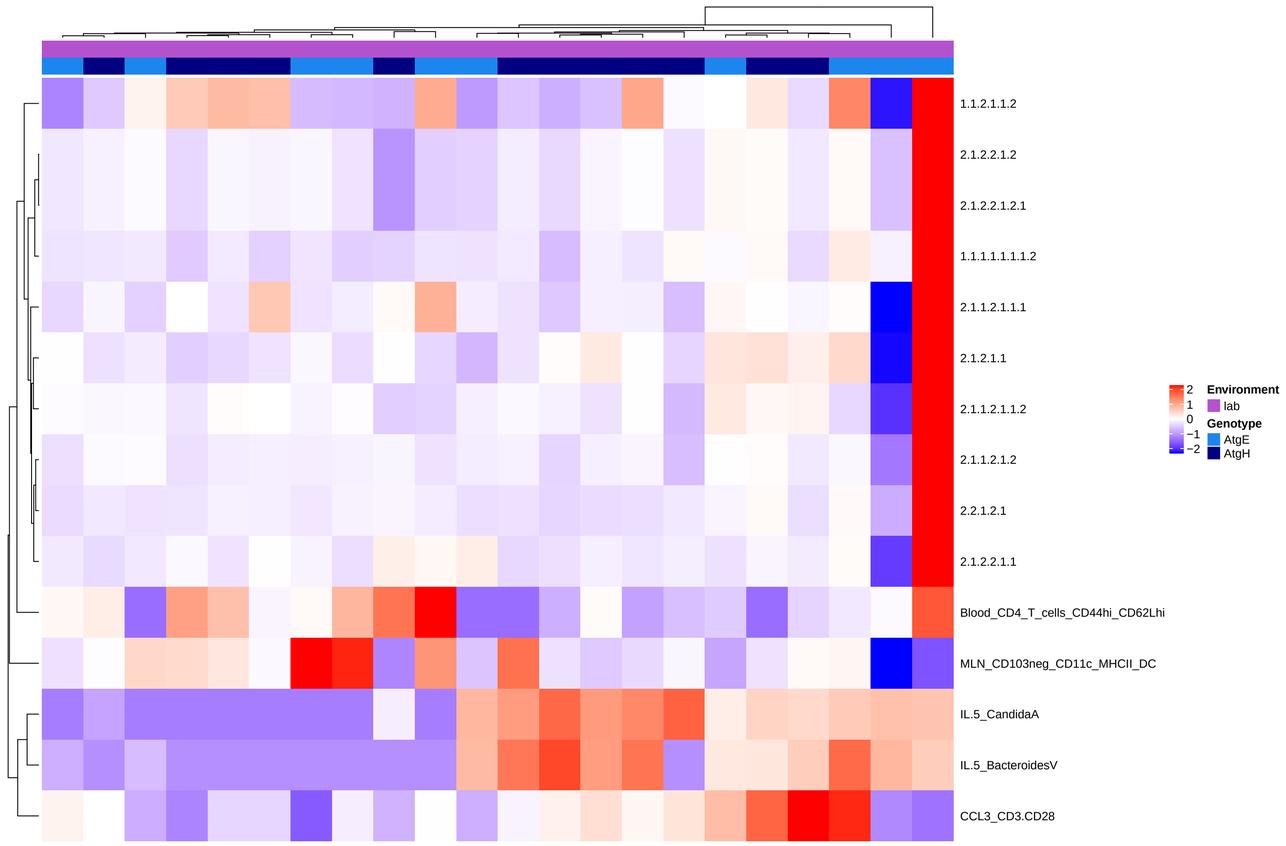
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2.1.1.2.1.1.2
2.1.1.2.1.2
2.2.1.2.1
2.1.2.2.1.1
Blood_CD4_T_cells_CD44hi_CD62Lhi
MLN_CD103neg_CD11c_MHCII_DC
IL.5_CandidaA
IL.5_BacteroidesV
CCL3_CD3.CD28
2
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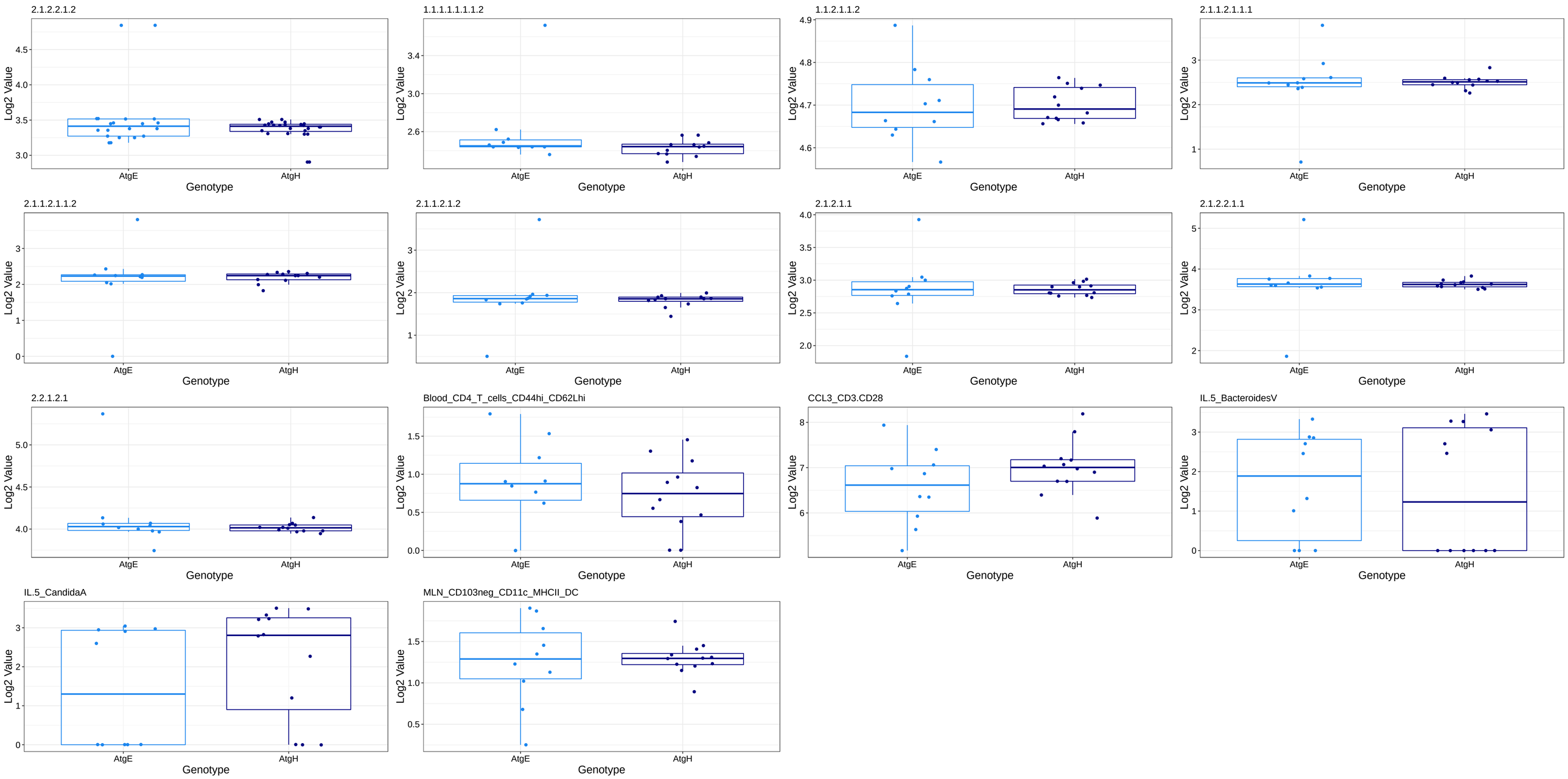
−1
−2
Environment
lab
Genotype
AtgE
AtgH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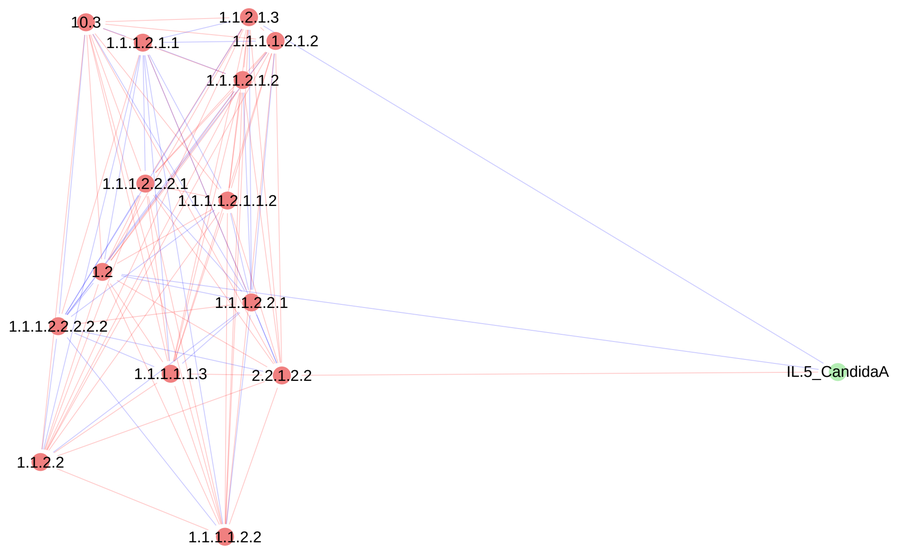
2.1.2.1.1
2.1.2.2.1.1
2.2.1.2.1
Blood_CD4_T_cells_CD44hi_CD62Lhi
CCL3_CD3.CD28
IL.5_BacteroidesV
IL.5_CandidaA
MLN_CD103neg_CD11c_MHCII_DC
Log2 Value
AtgE
AtgH
Genotype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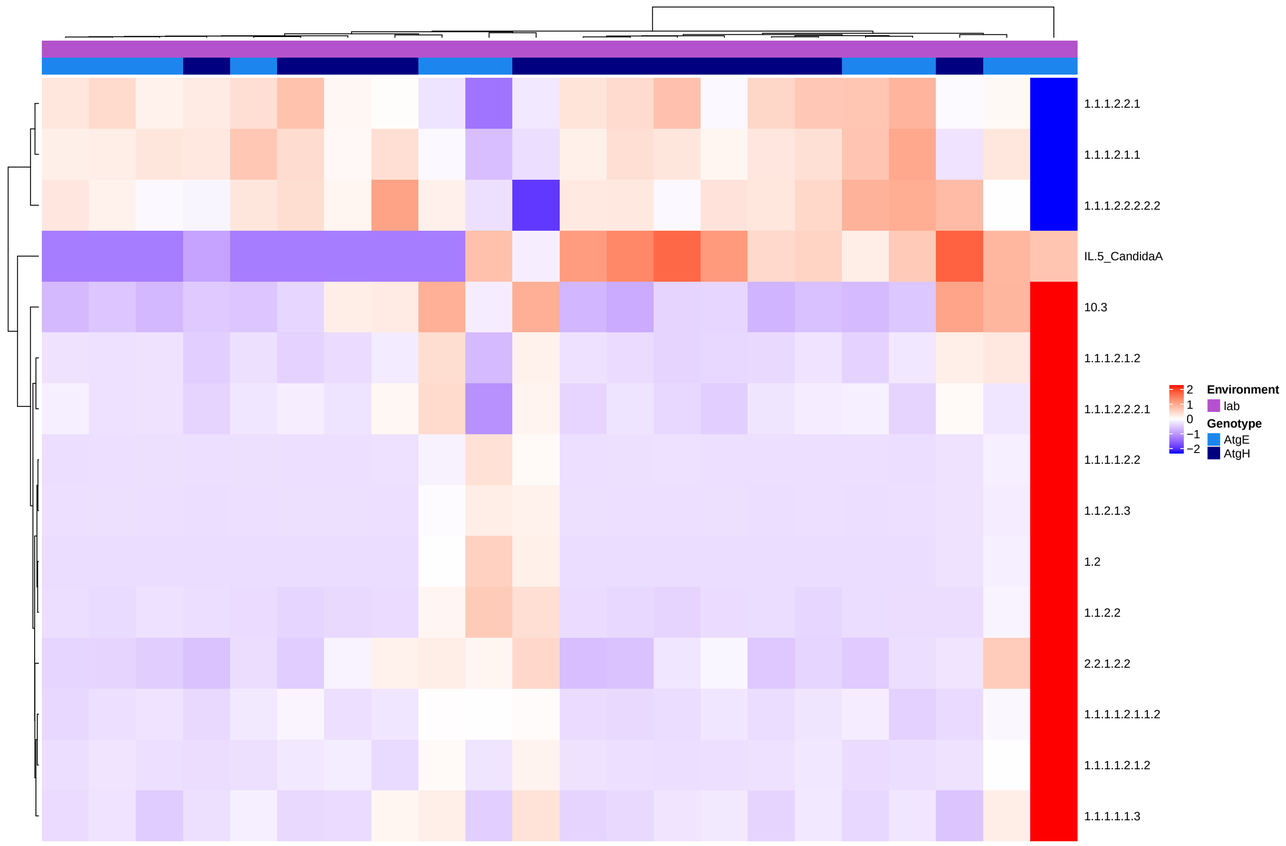
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IL.5_CandidaA
10.3
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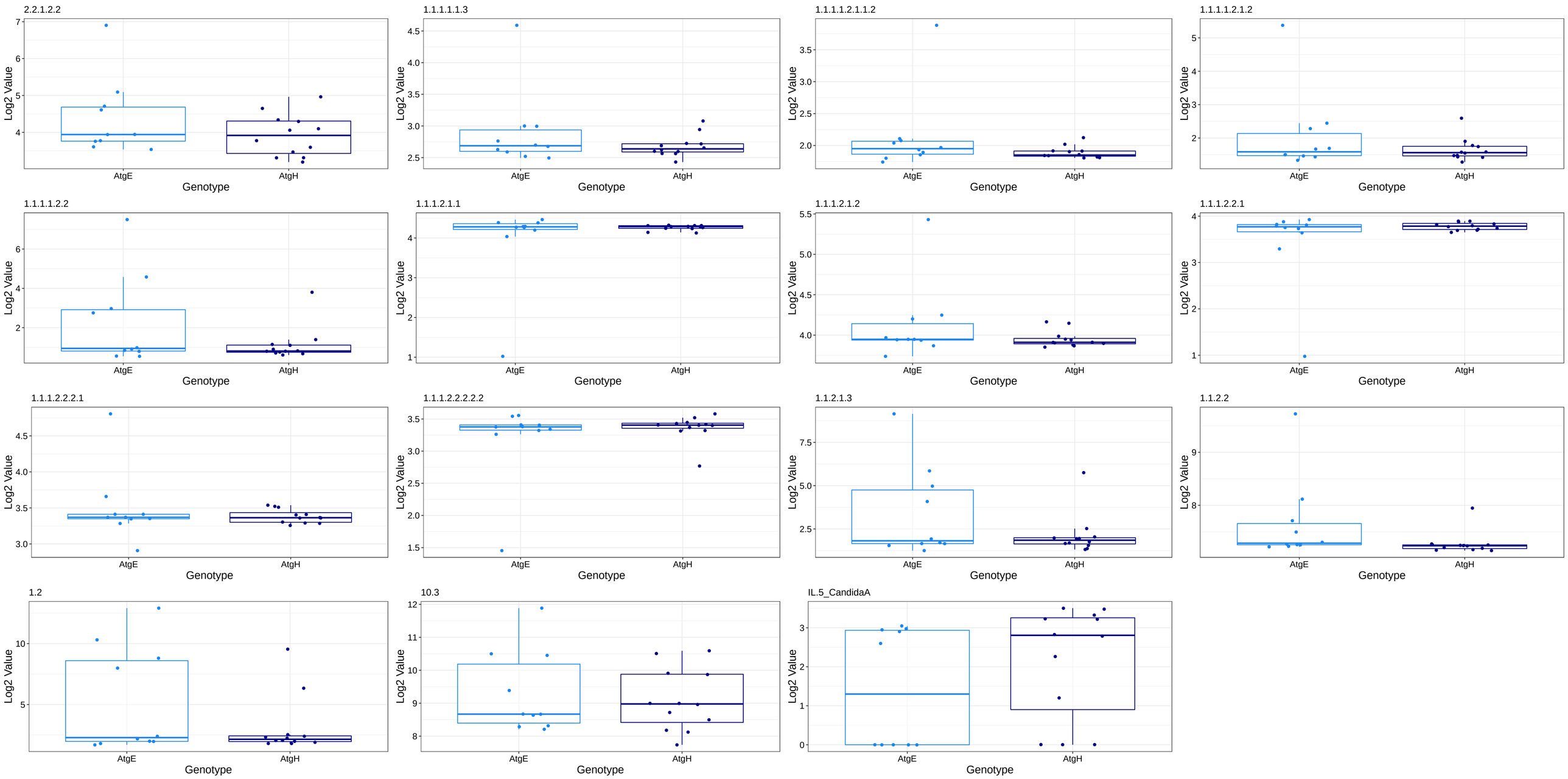
Environment
lab
Genotype
AtgE
AtgH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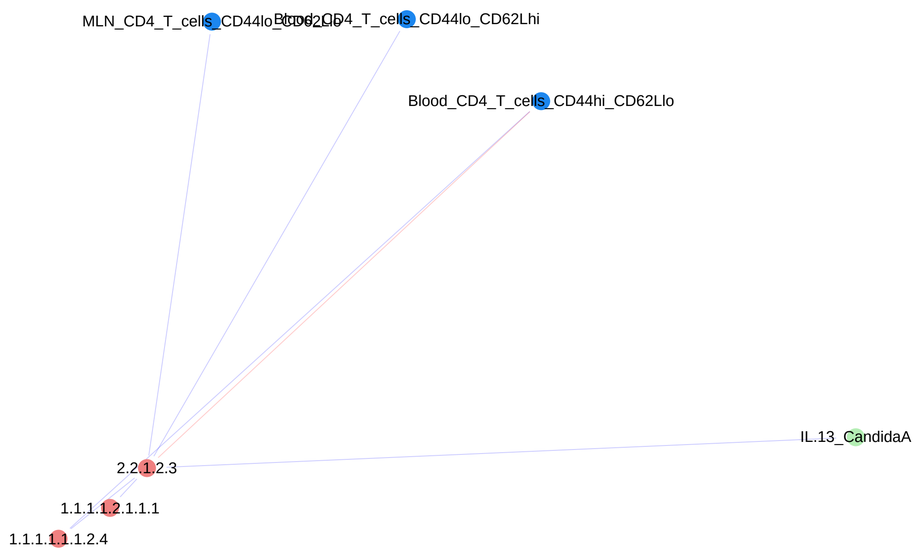
1.2
10.3
IL.5_CandidaA
Log2 Value
AtgE
AtgH
Genotype


MLN_CD4_T_cells_CD44lo_CD62Lo
Blood_CD4_T_cells_CD44lo_CD62Lhi
Blood_CD4_T_cells_CD44hi_CD62Llo
IL.13_CandidaA
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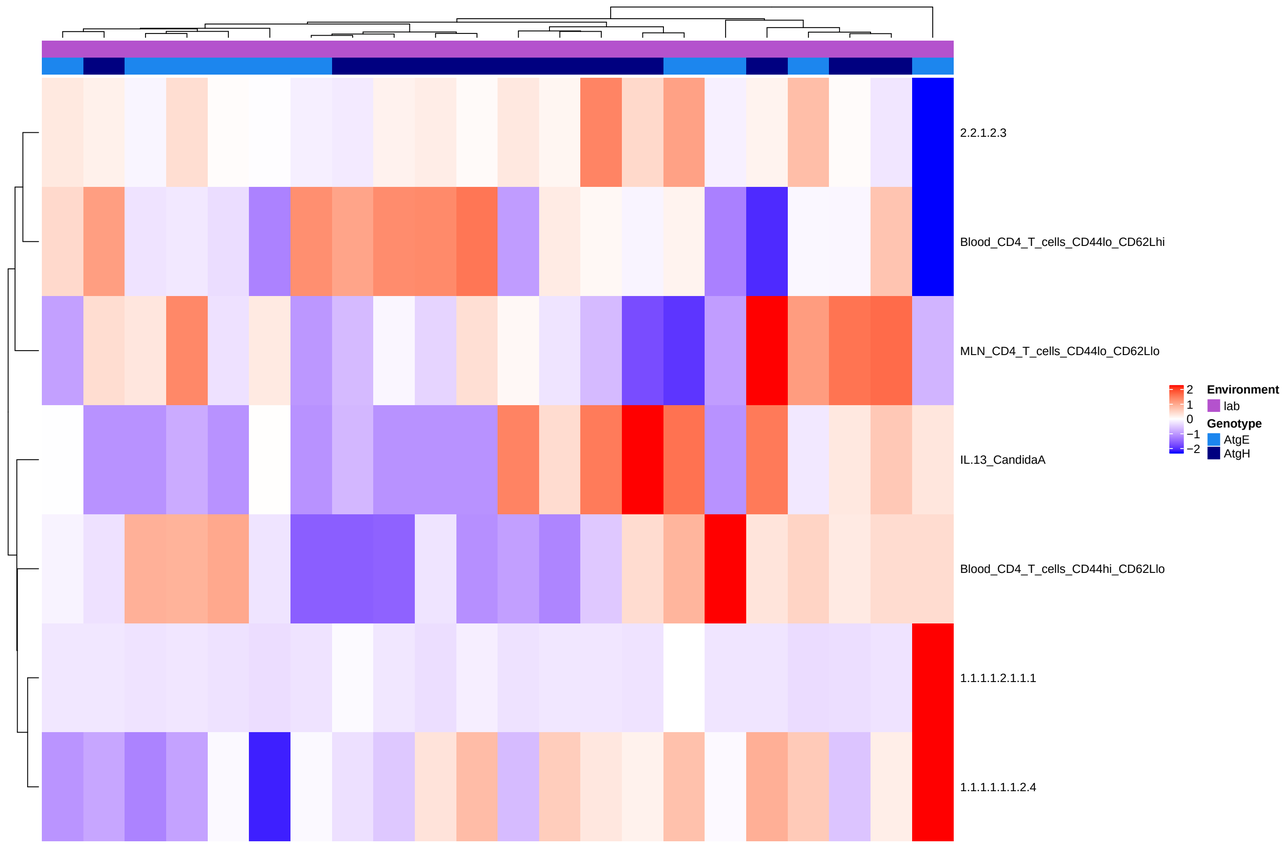
2.2.1.2.3
Blood_CD4_T_cells_CD44lo_CD62Lhi
MLN_CD4_T_cells_CD44lo_CD62Llo
IL.13_CandidaA
Blood_CD4_T_cells_CD44hi_CD62Llo
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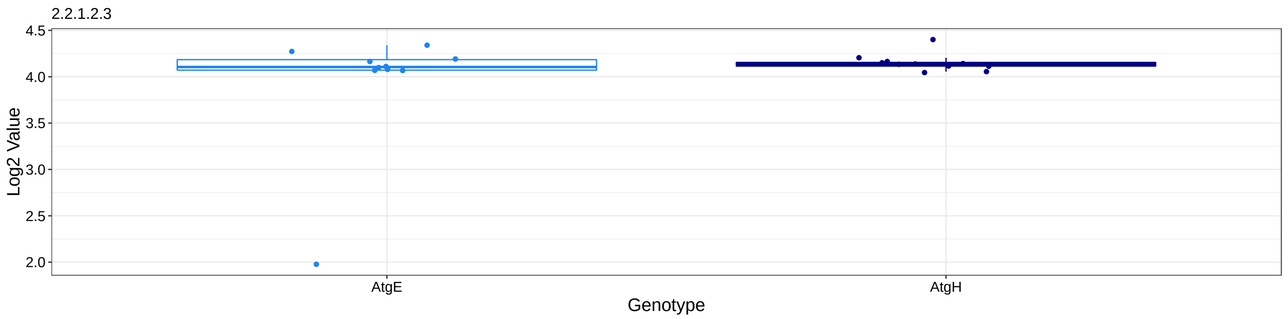
Environment
lab
Genotype
AtgE
AtgH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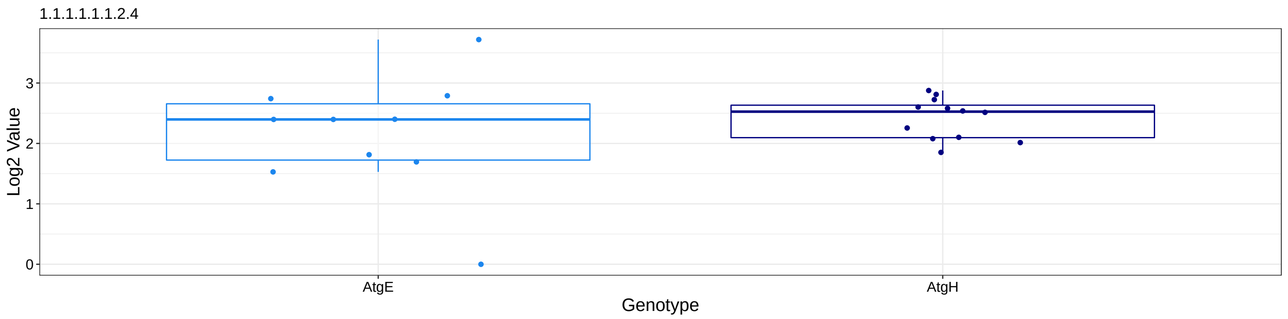
Log2 Value
AtgE
AtgH
Genotype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Log2 Value
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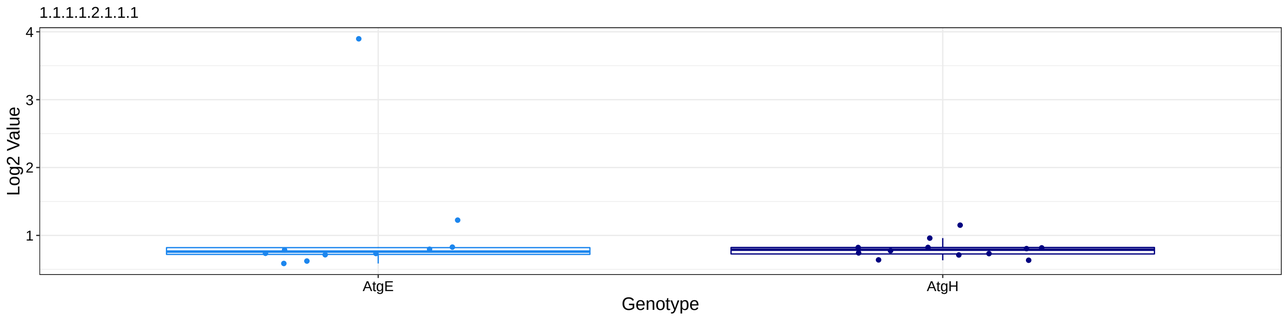
AtgH
Genotype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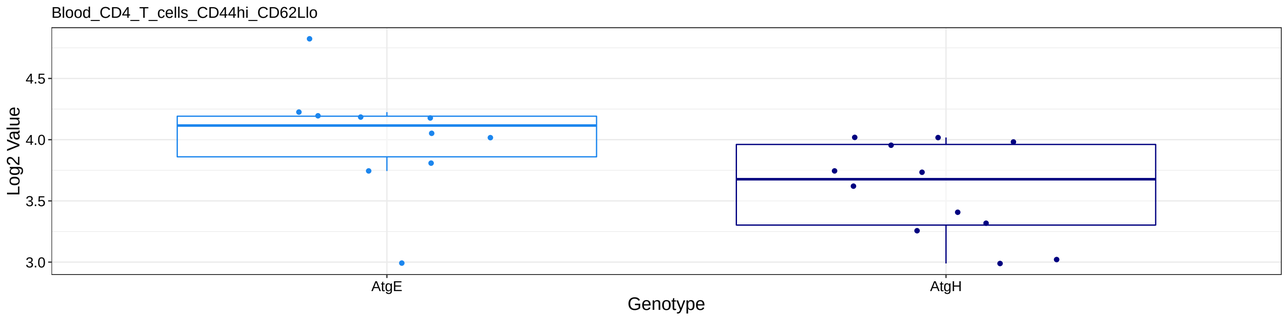
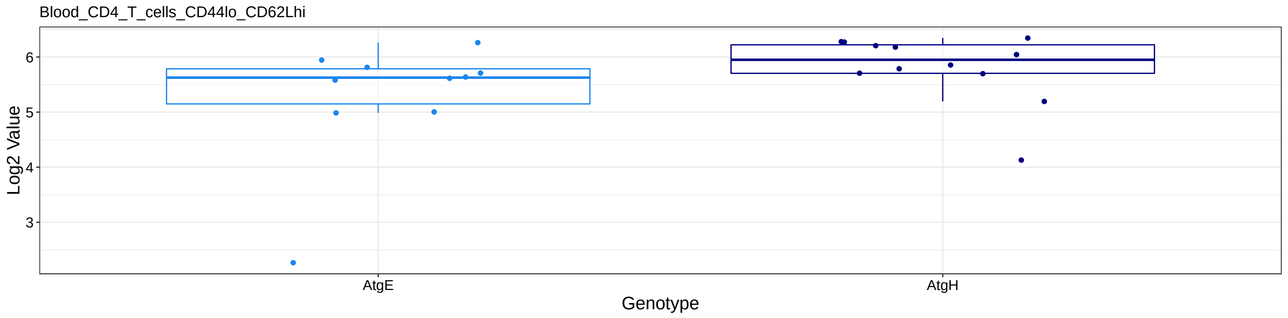
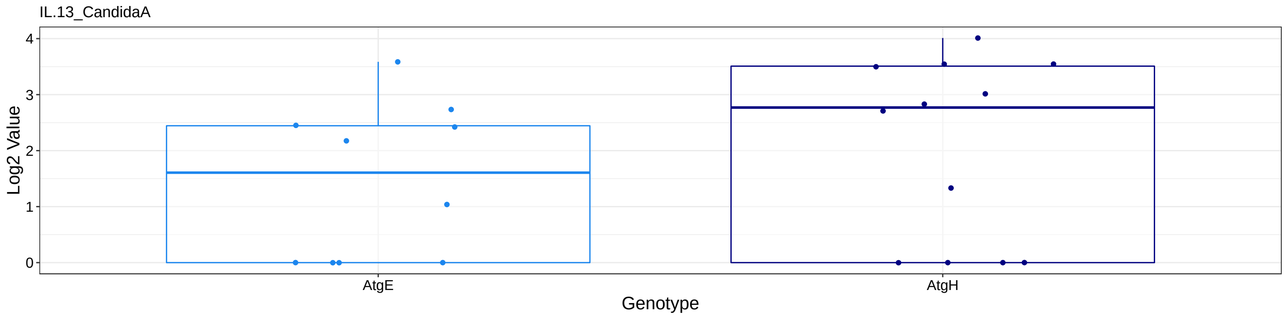
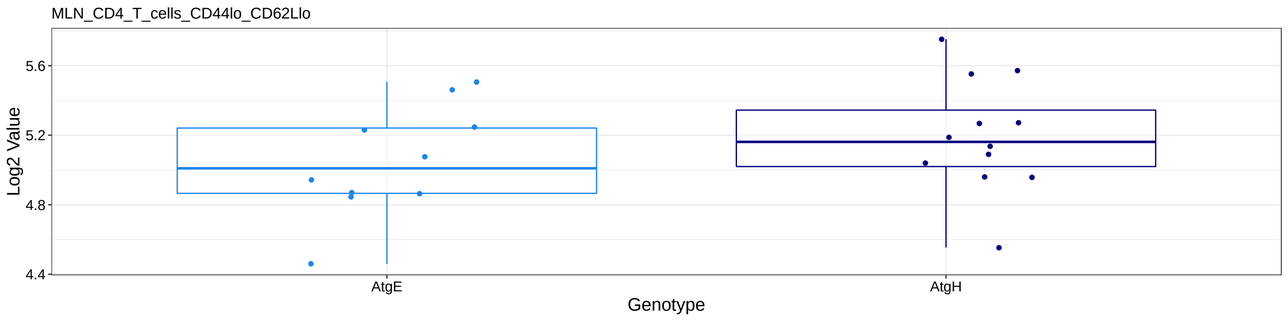
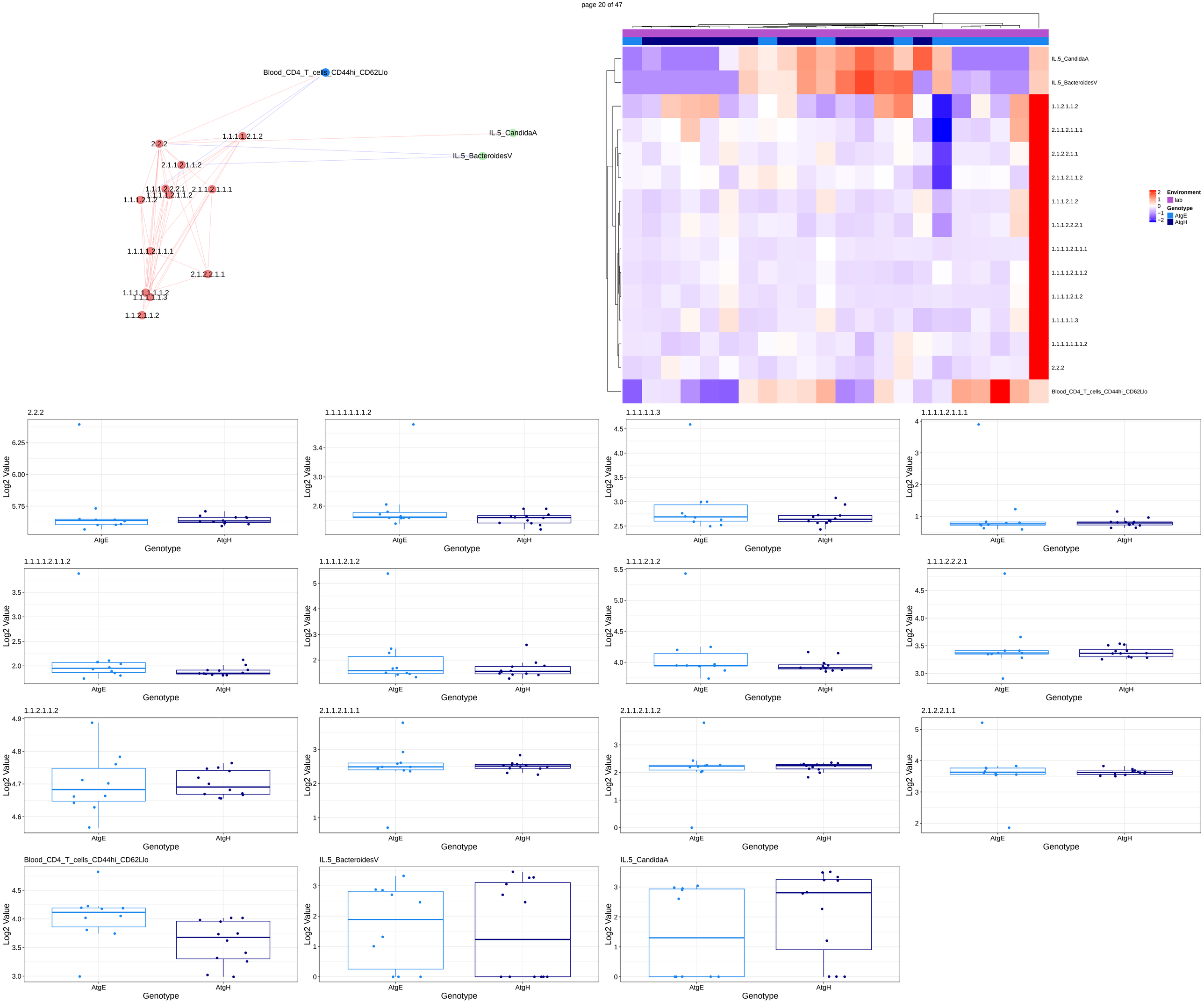
Log2 Value
AtgE
AtgH
Genotype

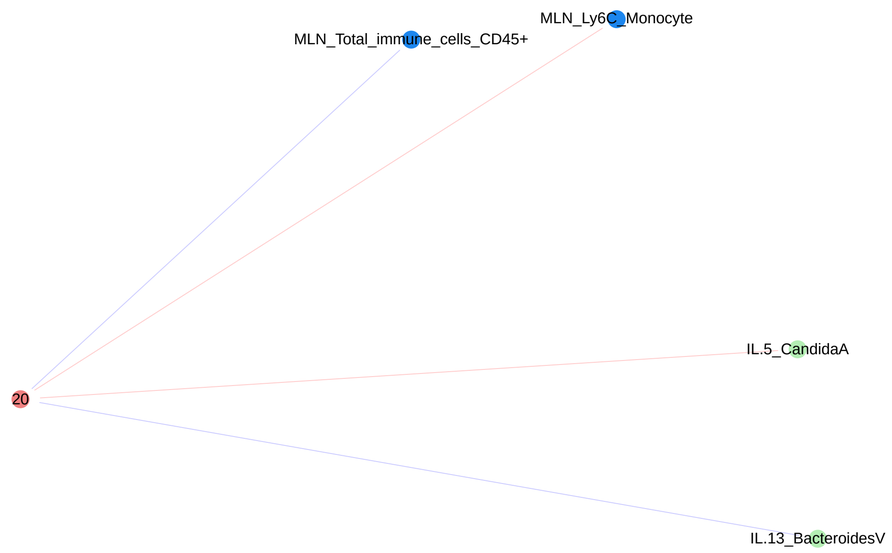

Blood_CD4_T_cells_CD44hi_CD62Llo
Log2 Value
AtgE
AtgH
Genotype

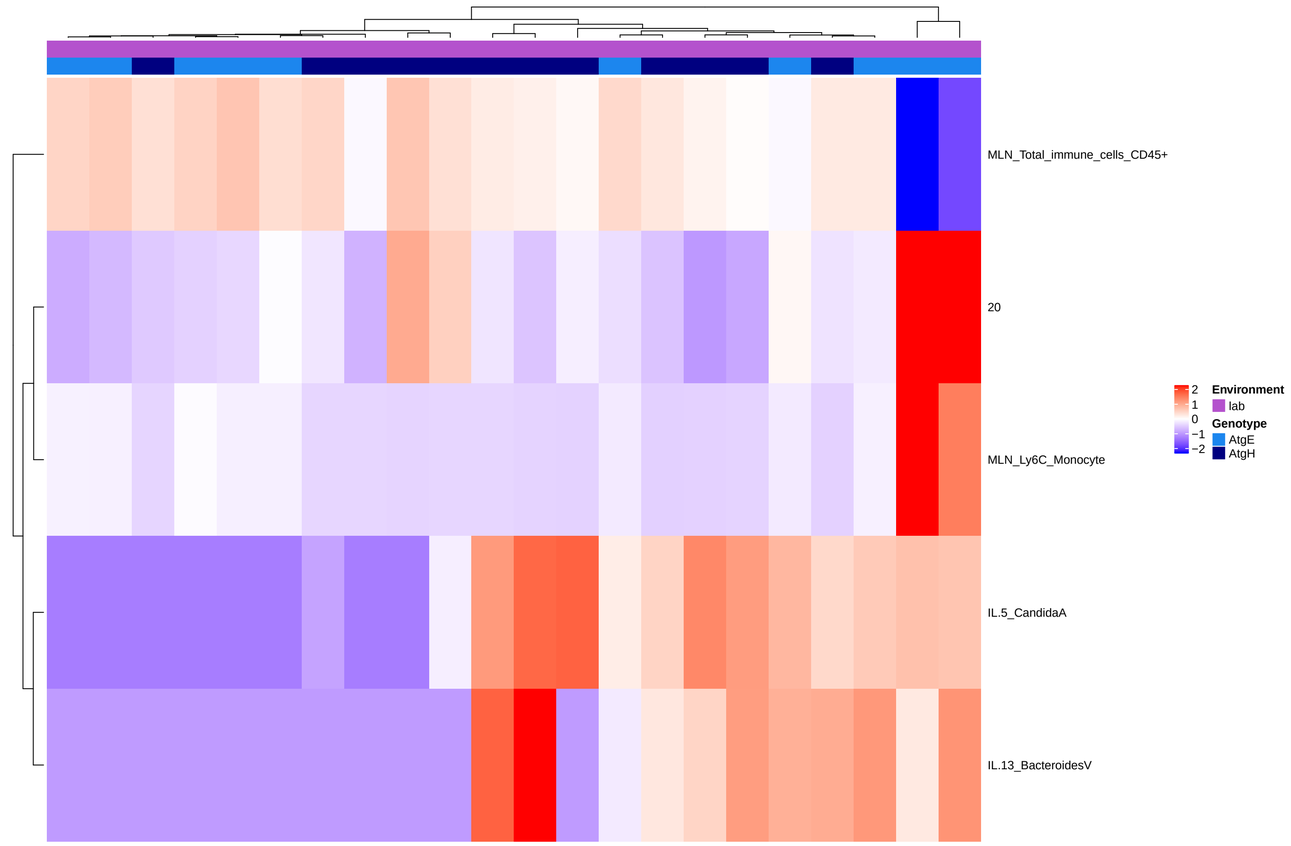

Blood_CD4_T_cells_CD44lo_CD62Lhi
Log2 Value
AtgE
AtgH
Genotype

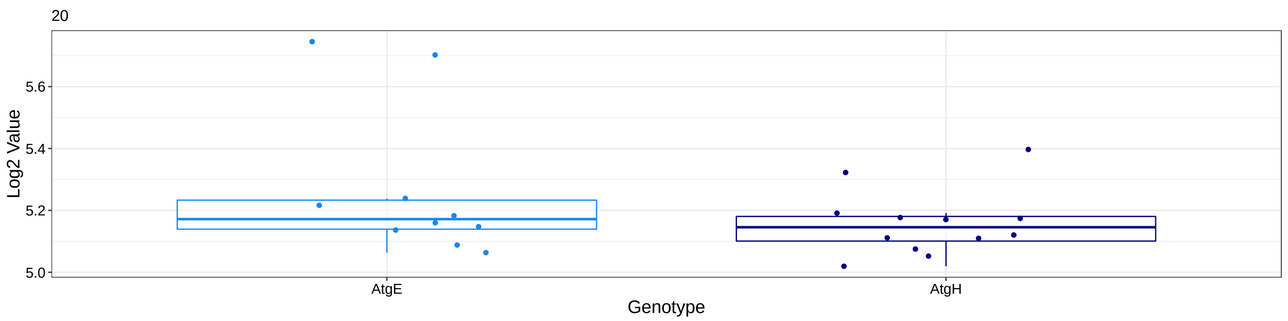

IL.13_CandidaA
Log2 Value
AtgE
AtgH
Genotype

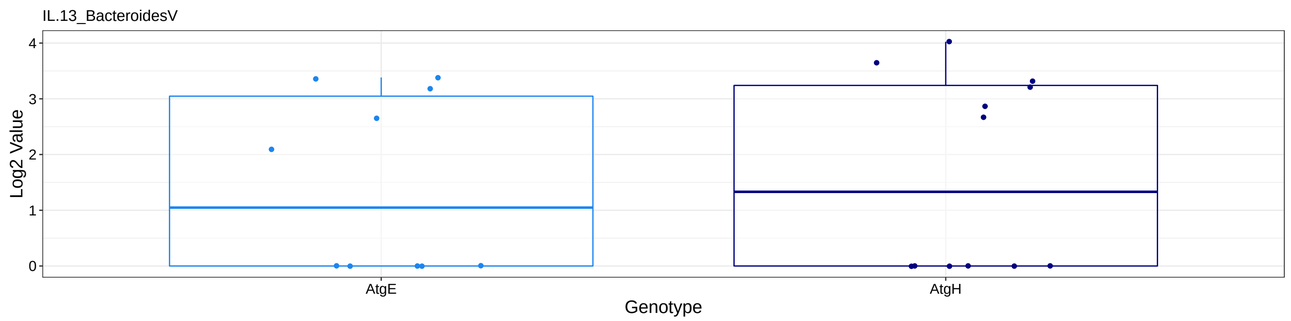

MLN_CD4_T_cells_CD44lo_CD62Llo
Log2 Value
AtgE
AtgH
Genotype

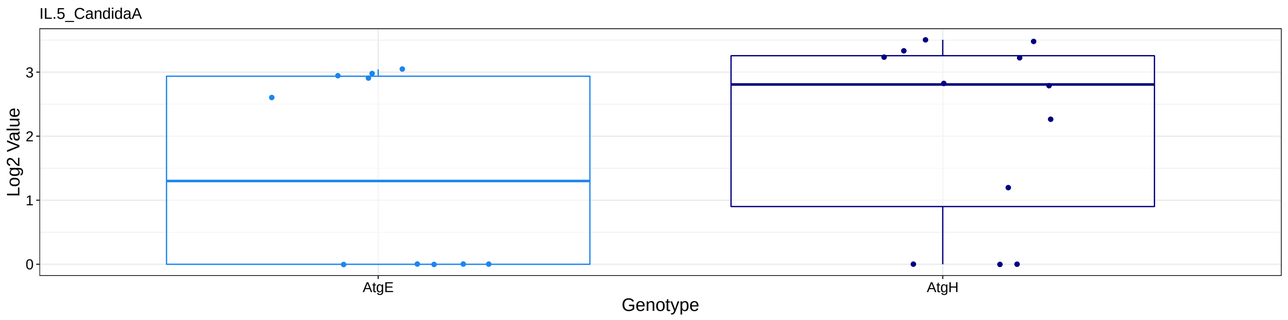

Blood_CD4_T_cells_CD44hi_CD62Llo
IL.5_CandidaA
IL.5_BacteroidesV
2.2.2
1.1.1.1.2.1.2
2.1.1.2.1.1.2
1.1.1.2.2.2.1
2.1.1.2.1.1.1
1.1.1.1.2.1.2
1.1.1.1.2.1.1.1
2.1.2.2.1.1
1.1.1.1.1.1.2
1.1.1.1.1.1.3
1.1.2.1.1.2
IL.5_CandidaA
IL.5_BacteroidesV
1.1.2.1.1.2
2.1.1.2.1.1.1
2.1.2.2.1.1
2.1.1.2.1.1.2
1.1.1.2.1.1.2
1.1.1.2.2.2.1
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
1.1.1.1.2.1.2
1.1.1.1.1.3
1.1.1.1.1.1.1.2
2.2.2
Blood_CD4_T_cells_CD44hi_CD62Llo
Environment
lab
Genotype
AtgE
AtgH
2.2.2
1.1.1.1.1.1.1.2
1.1.1.1.1.1.3
1.1.1.1.2.1.1.1
1.1.1.1.2.1.1.2
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
AtgE
AtgH

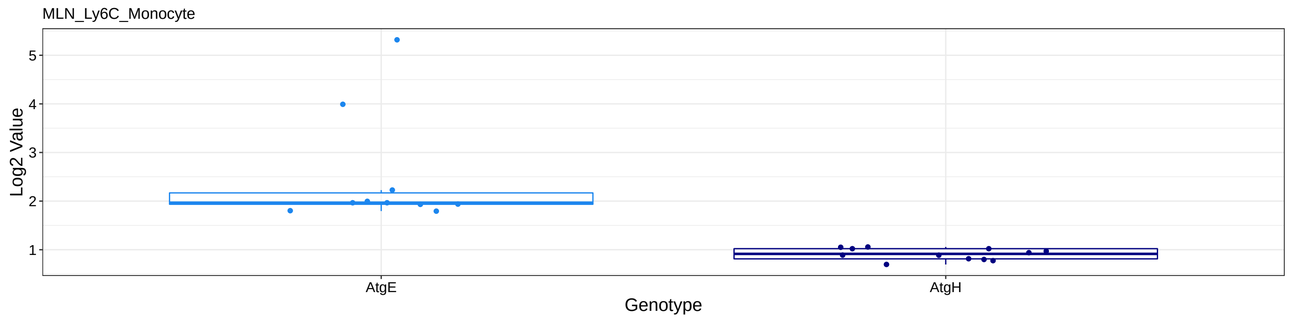

MLN_Total_immune_cells_CD45+
MLN_Ly6C_Monocyte
IL.5_CandidaA
20
IL.13_BacteroidesV

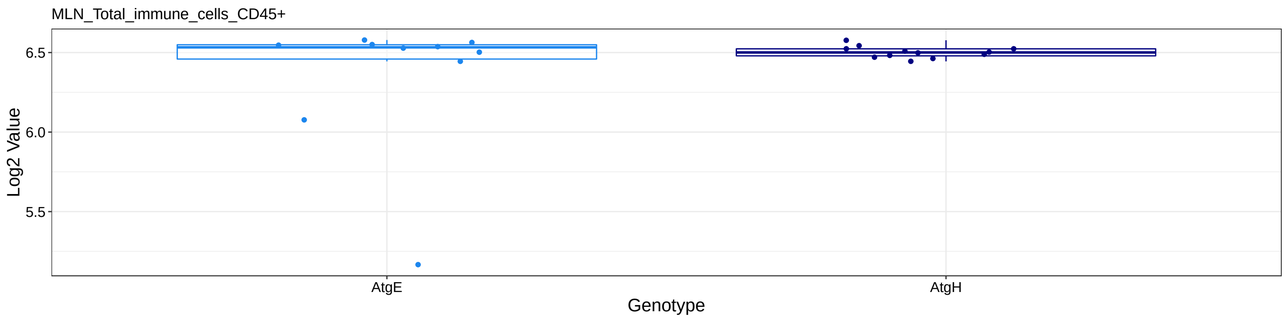

MLN_Total_immune_cells_CD45+
20
MLN_Ly6C_Monocyte
IL.5_CandidaA
IL.13_BacteroidesV
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

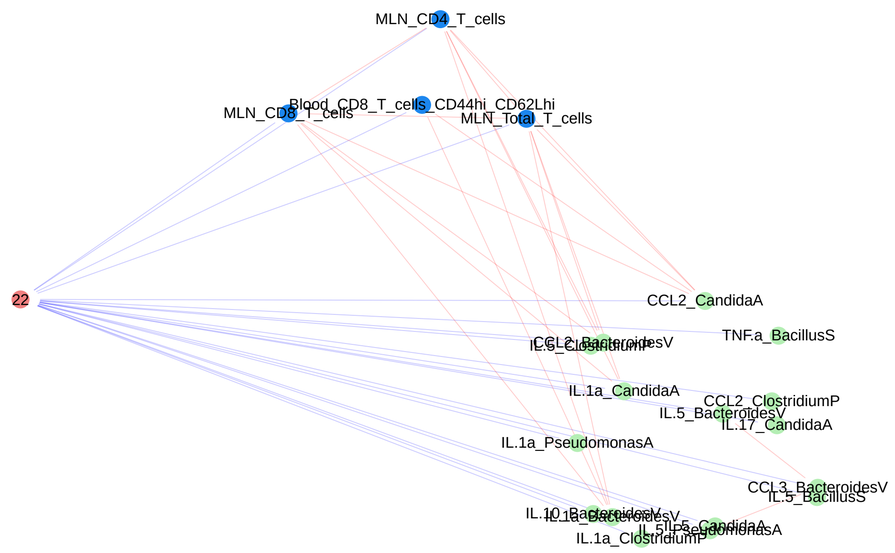

20
Log2 Value
5.6
5.4
5.2
5.0
AtgE
AtgH
Genotype

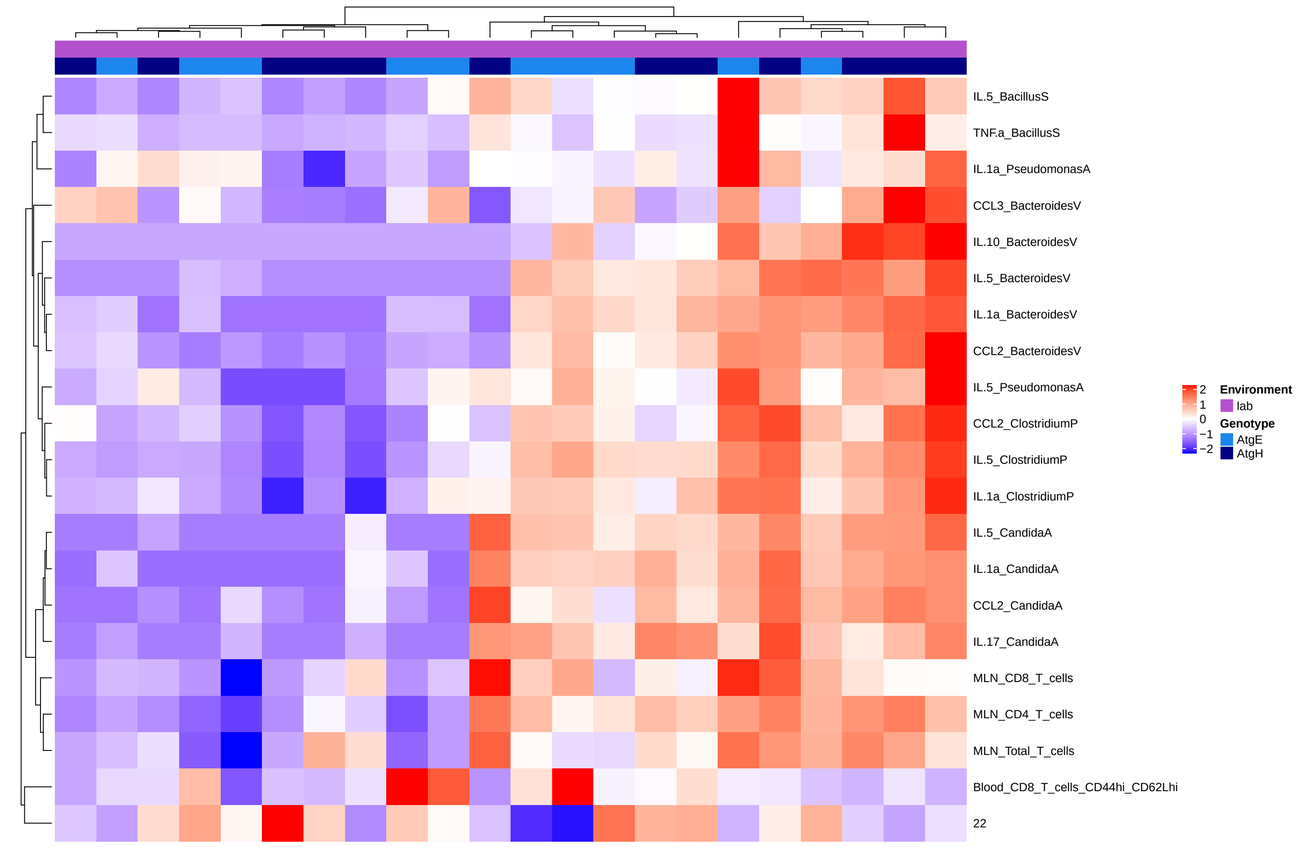

IL.13_BacteroidesV
Log2 Value
4
3
2
1
0
AtgE
AtgH
Genotype

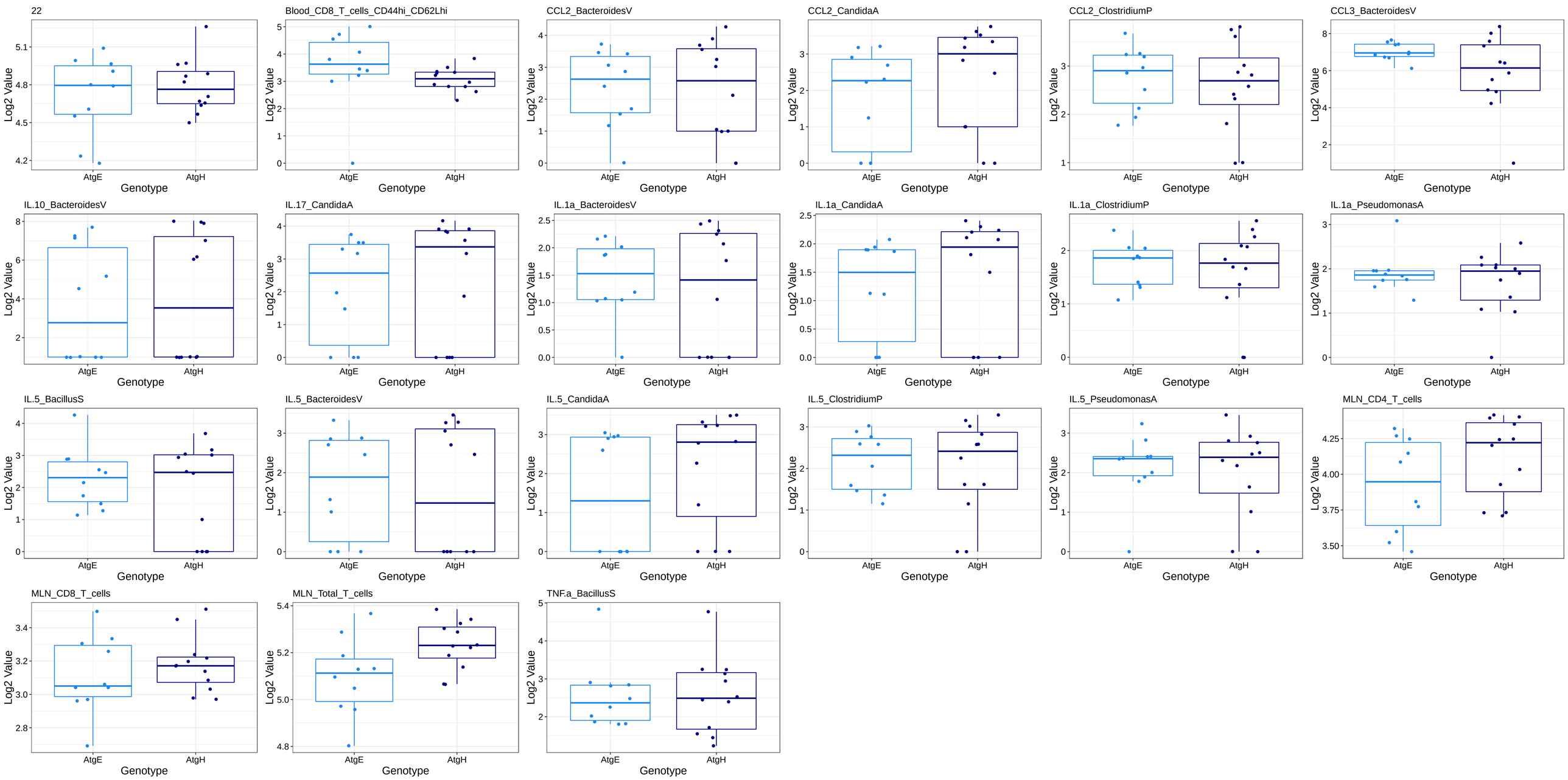

IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype

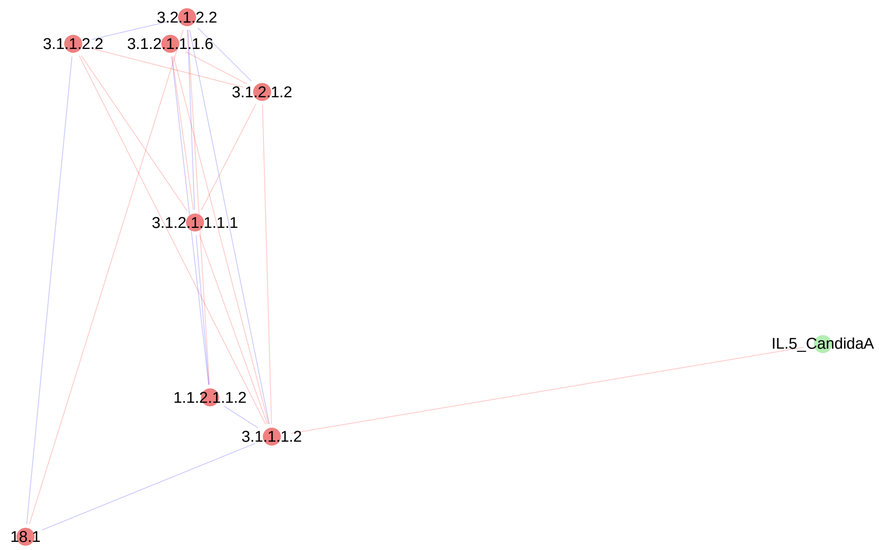

MLN_Ly6C_Monocyte
Log2 Value
5
4
3
2
1
AtgE
AtgH
Genotype

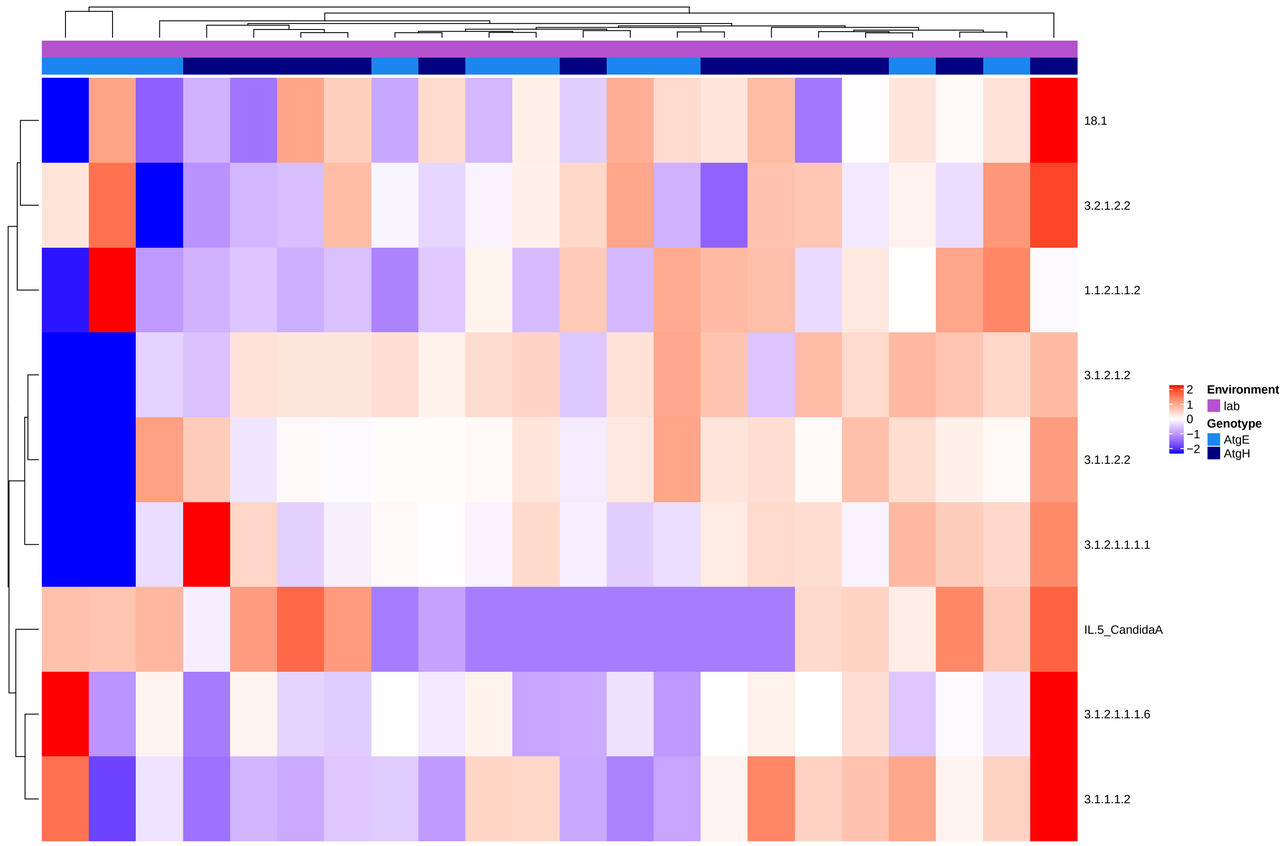

MLN_Total_immune_cells_CD45+
Log2 Value
6.5
6.0
5.5
AtgE
AtgH
Genotype

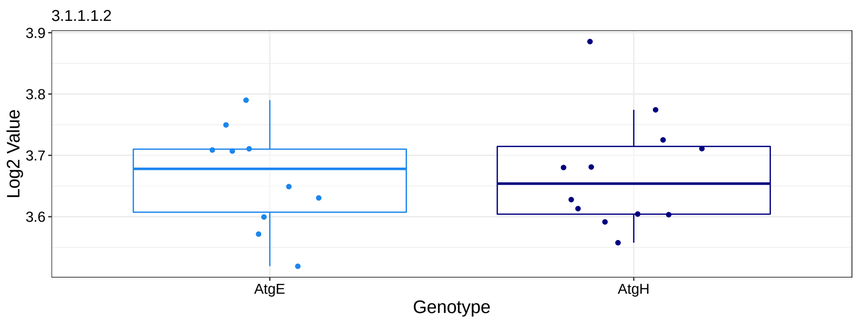

MLN_CD4_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_Total_T_cells
22
CCL2_CandidaA
TNF.a_BacillusS
IL.1a_CandidaA
CCL2_ClostridiumP
IL.5_BacteroidesV
IL.17_CandidaA
IL.1a_PseudomonasA
CCL3_BacteroidesV
IL.5_BacillusS
IL.1a_ClostridiumP

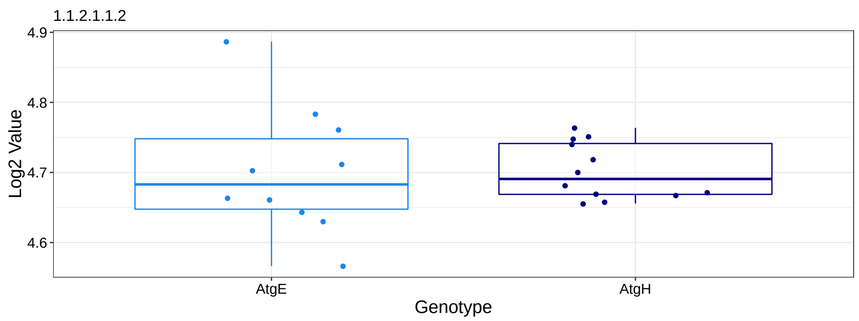

IL.5_BacillusS
TNF.a_BacillusS
IL.1a_PseudomonasA
CCL3_BacteroidesV
IL.10_BacteroidesV
IL.5_BacteroidesV
IL.1a_BacteroidesV
CCL2_BacteroidesV
IL.5_PseudomonasA
CCL2_ClostridiumP
IL.5_ClostridiumP
IL.1a_ClostridiumP
IL.5_CandidaA
IL.1a_CandidaA
CCL2_CandidaA
IL.17_CandidaA
MLN_CD8_T_cells
MLN_CD4_T_cells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

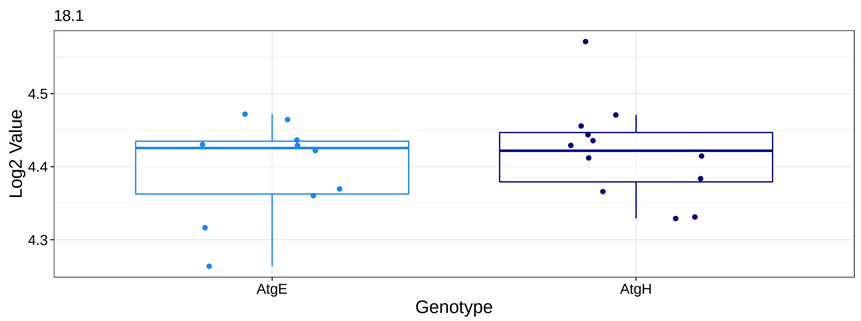

22
Blood_CD8_T_cells_CD44hi_CD62Lhi
CCL2_BacteroidesV
CCL2_CandidaA
CCL2_ClostridiumP
CCL3_BacteroidesV
IL.10_BacteroidesV
IL.17_CandidaA
IL.1a_BacteroidesV
IL.1a_CandidaA
IL.1a_ClostridiumP
IL.1a_PseudomonasA
IL.5_BacillusS
IL.5_BacteroidesV
IL.5_CandidaA
IL.5_ClostridiumP
IL.5_PseudomonasA
MLN_CD4_T_cells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

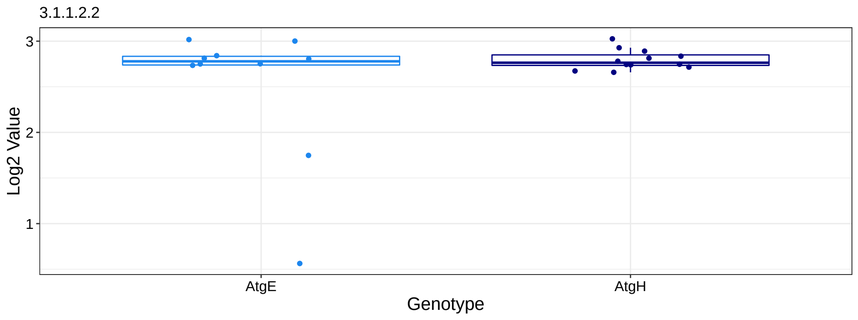

3.2.1.2.2
3.1.1.2.2
3.1.2.1.1.1.6
3.1.2.1.2
3.1.2.1.1.1
IL.5_CandidaA
1.1.2.1.1.2
3.1.1.1.2
18.1

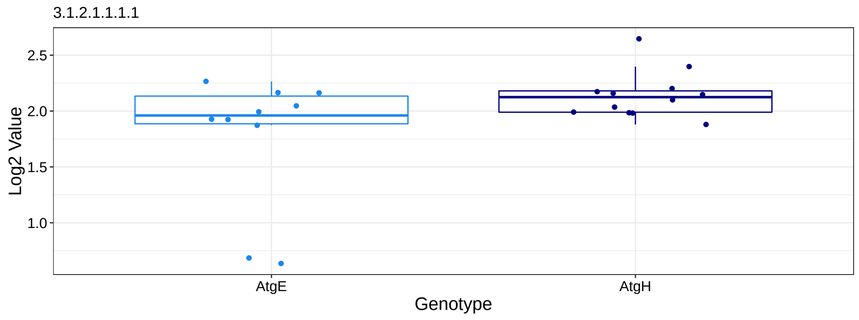

18.1
3.2.1.2.2
1.1.2.1.1.2
3.1.2.1.2
3.1.1.2.2
3.1.2.1.1.1.1
IL.5_CandidaA
3.1.2.1.1.1.6
3.1.1.1.2
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

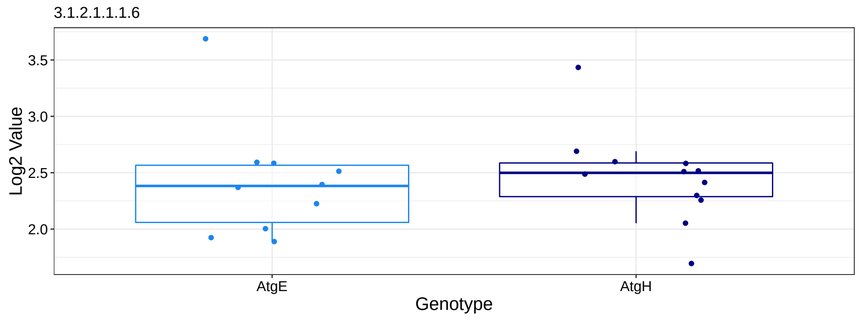

3.1.1.1.2
Log2 Value
3.9
3.8
3.7
3.6
AtgE
AtgH
Genotype

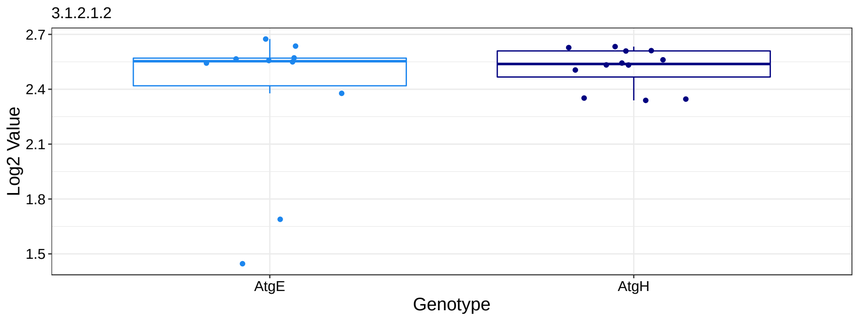

1.1.2.1.1.2
Log2 Value
4.9
4.8
4.7
4.6
AtgE
AtgH
Genotype

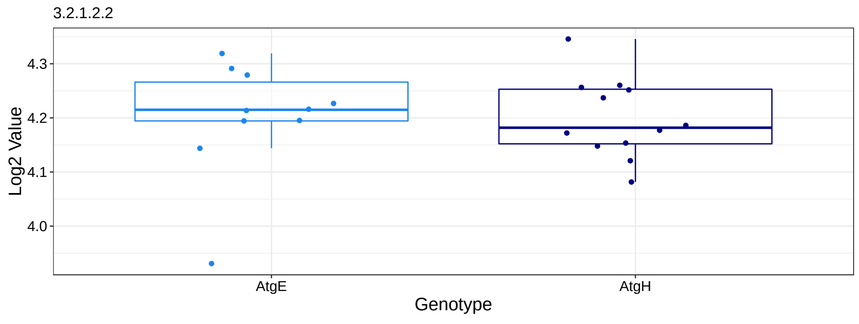

18.1
Log2 Value
4.5
4.4
4.3
AtgE
AtgH
Genotype

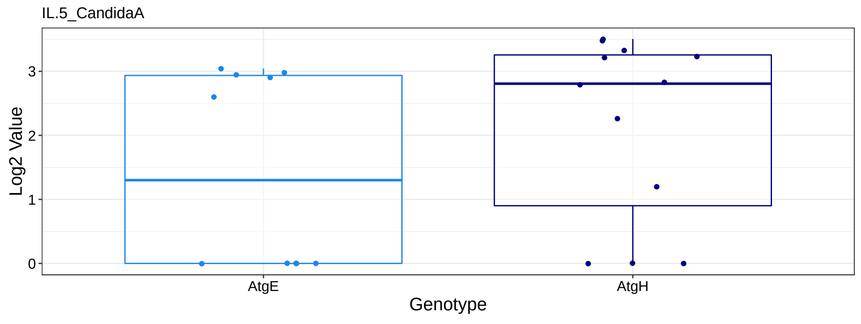

3.1.1.2.2
Log2 Value
3
2
1
AtgE
AtgH
Genotype

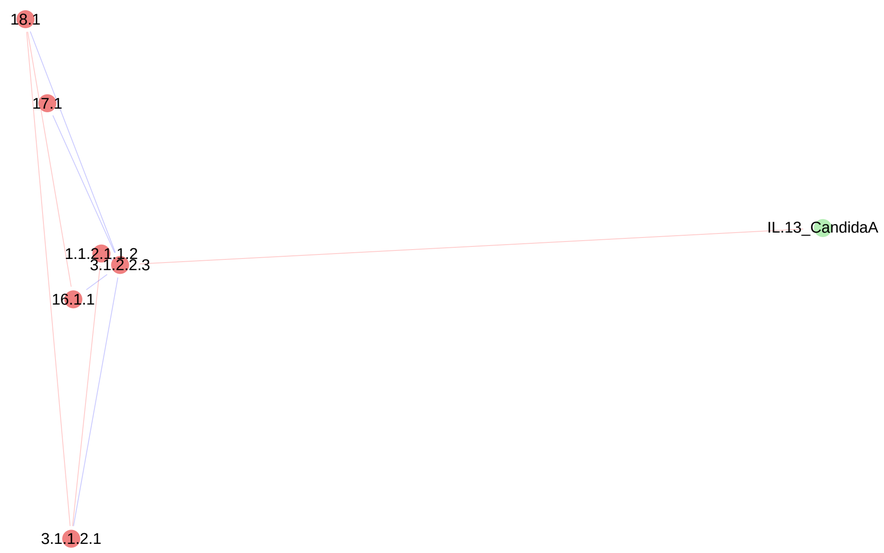

3.1.2.1.1.1.1
Log2 Value
2.5
2.0
1.5
1.0
AtgE
AtgH
Genotype

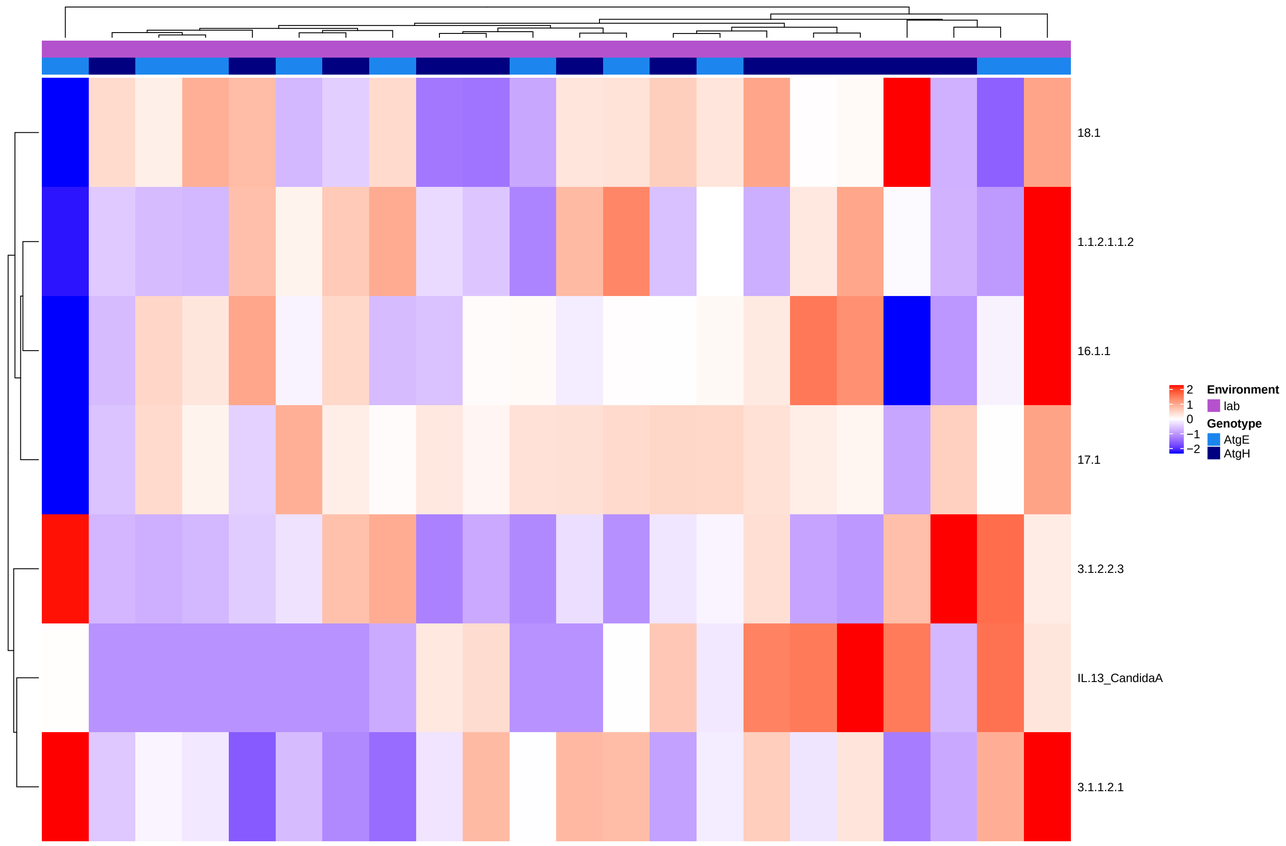

3.1.2.1.1.1.6
Log2 Value
3.5
3.0
2.5
2.0
AtgE
AtgH
Genotype

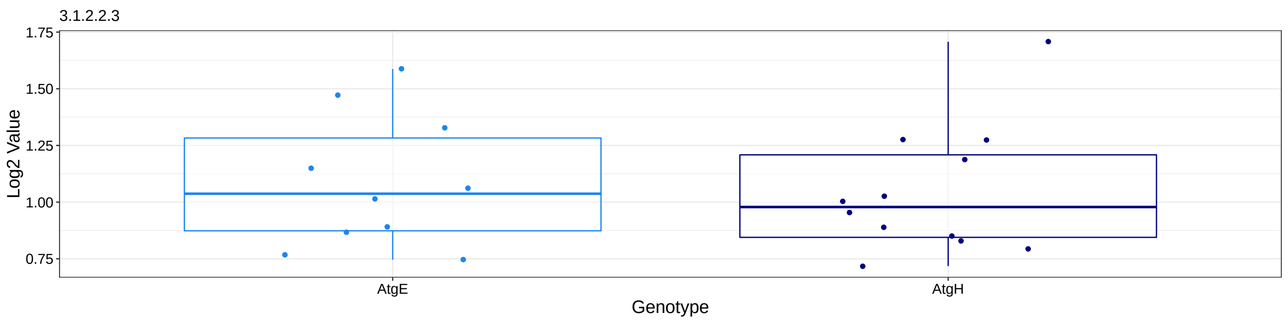

3.1.2.1.2
Log2 Value
2.7
2.4
2.1
1.8
1.5
AtgE
AtgH
Genotype

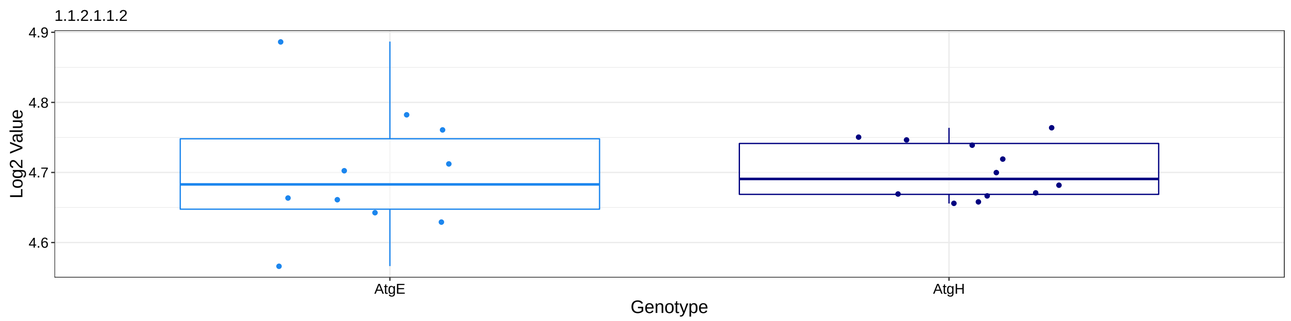

3.2.1.2.2
Log2 Value
4.3
4.2
4.1
4.0
AtgE
AtgH
Genotype

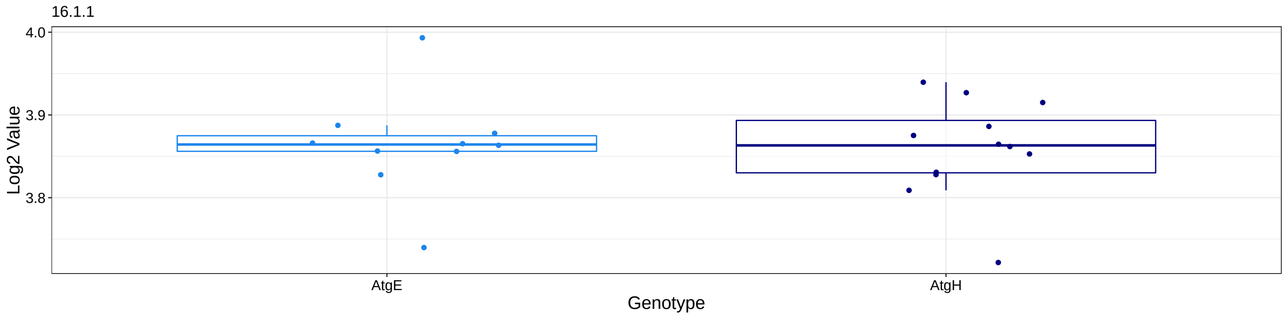

IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype

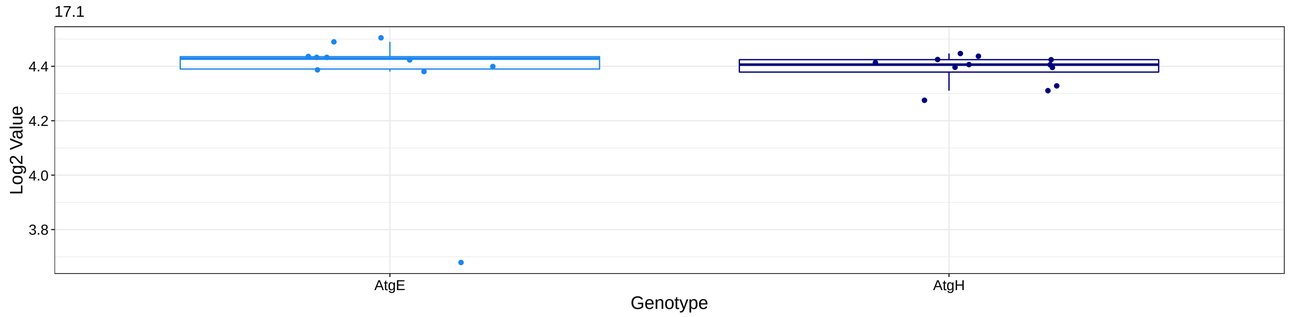

18.1
17.1
1.1.2.1.1.2
3.1.2.2.3
16.1.1
3.1.1.2.1
IL.13_CandidaA

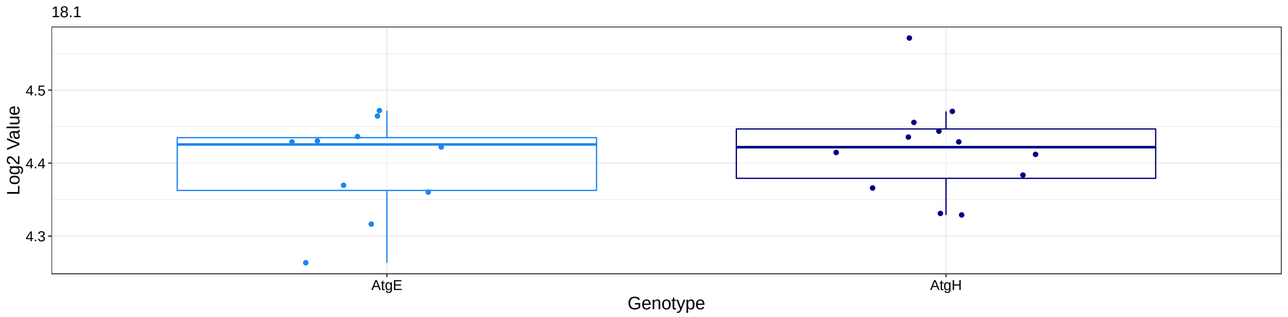

18.1
1.1.2.1.1.2
16.1.1
17.1
3.1.2.2.3
IL.13_CandidaA
3.1.1.2.1
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

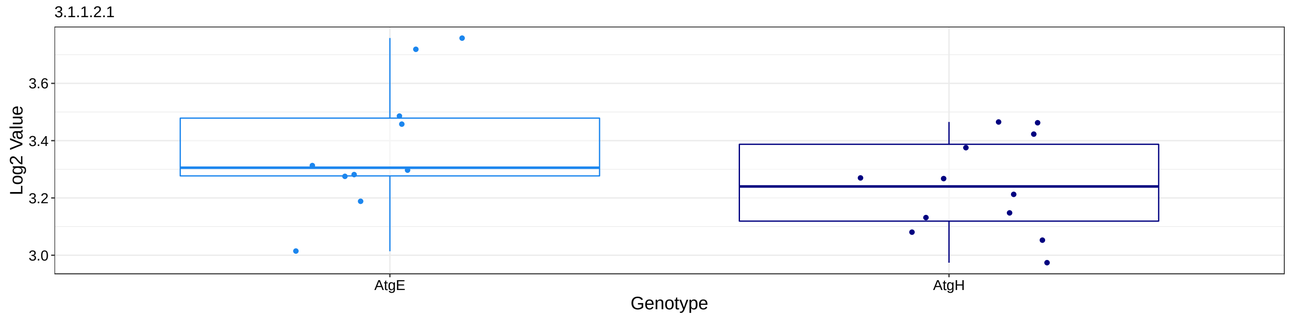

3.1.2.2.3
Log2 Value
1.75
1.50
1.25
1.00
0.75
AtgE
AtgH
Genotype

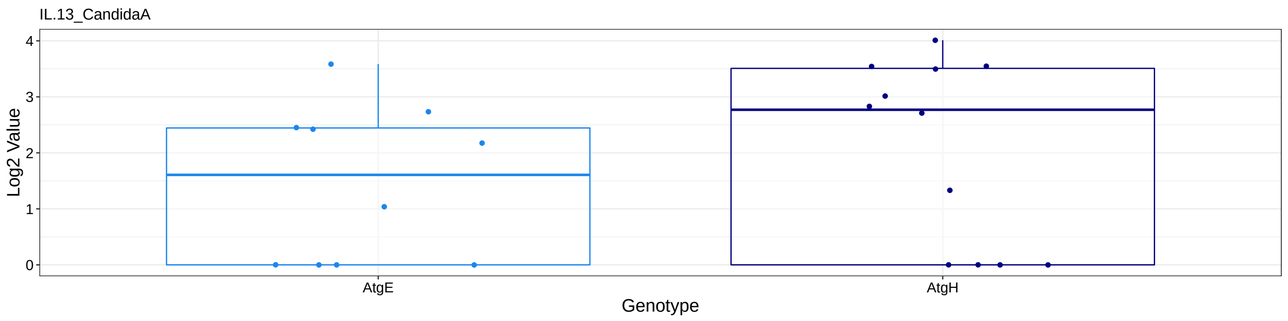

1.1.2.1.1.2
Log2 Value
4.9
4.8
4.7
4.6
AtgE
AtgH
Genotype

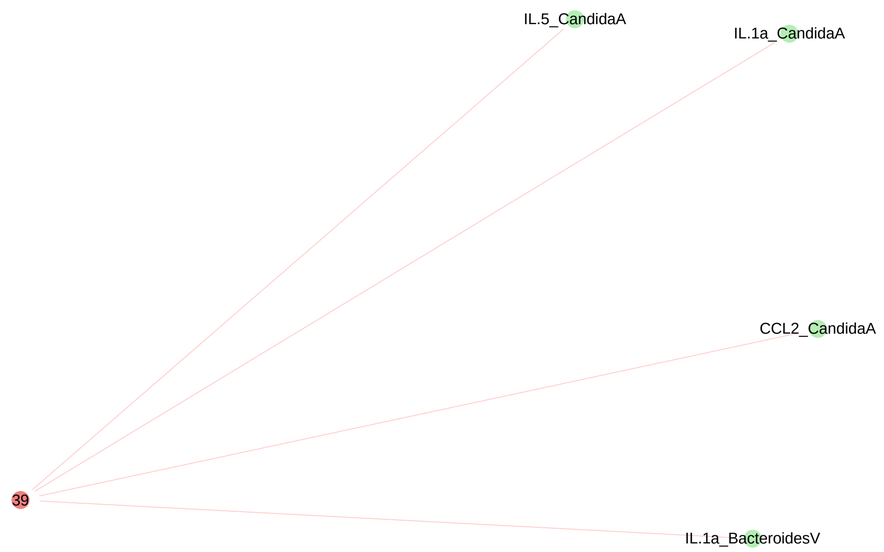

16.1.1
Log2 Value
4.0
3.9
3.8
AtgE
AtgH
Genotype

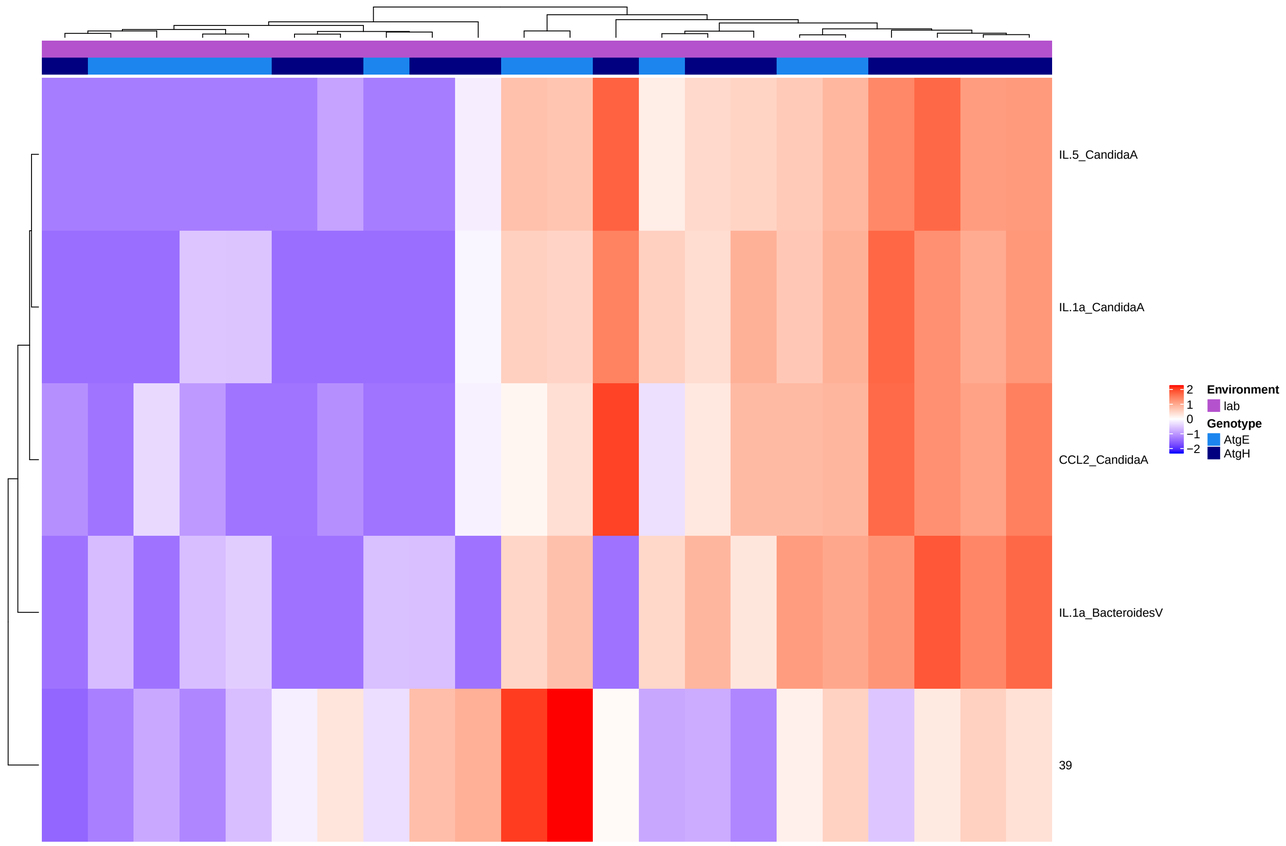

17.1
Log2 Value
4.4
4.2
4.0
3.8
AtgE
AtgH
Genotype

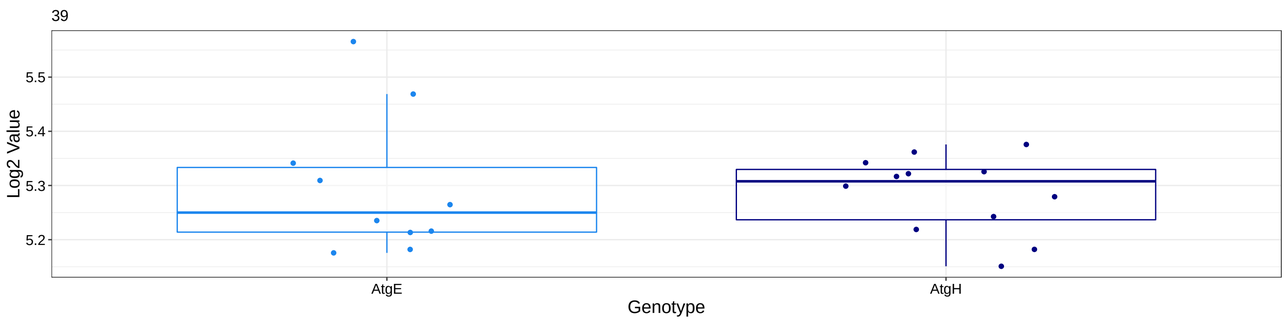

18.1
Log2 Value
4.5
4.4
4.3
AtgE
AtgH
Genotype

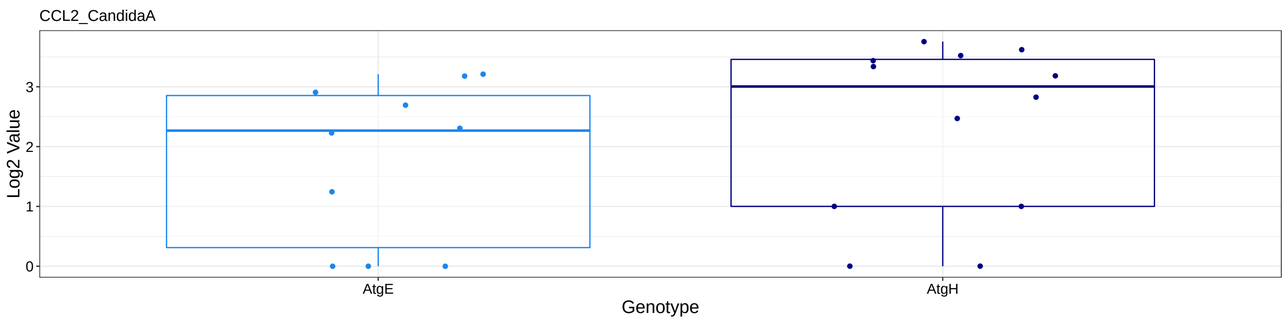

3.1.1.2.1
Log2 Value
3.6
3.4
3.2
3.0
AtgE
AtgH
Genotype

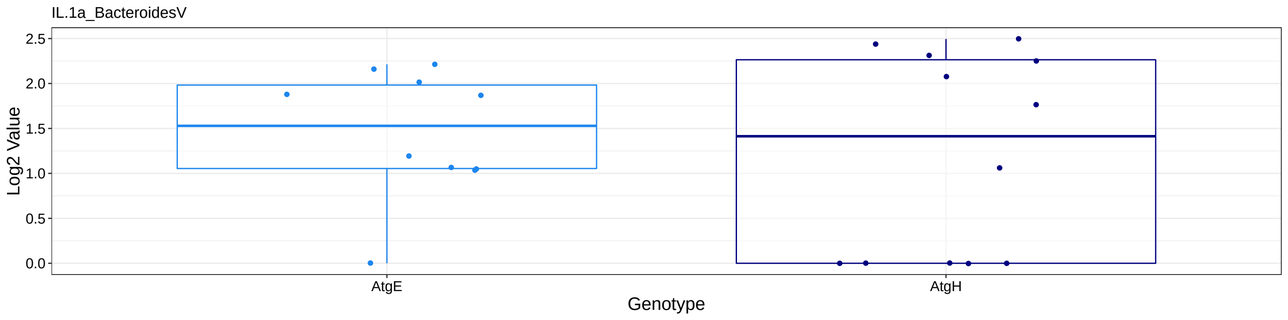

IL.13_CandidaA
Log2 Value
4
3
2
1
0
AtgE
AtgH
Genotype

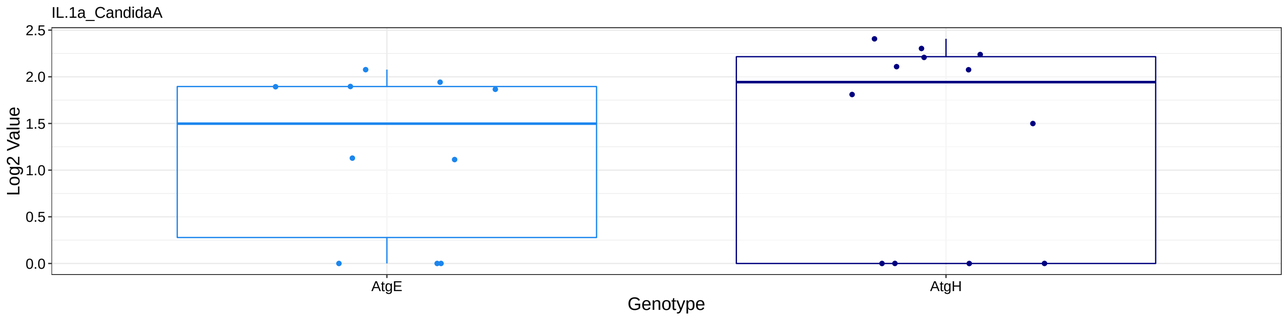

IL.5_CandidaA
IL.1a_CandidaA
CCL2_CandidaA
39
IL.1a_BacteroidesV

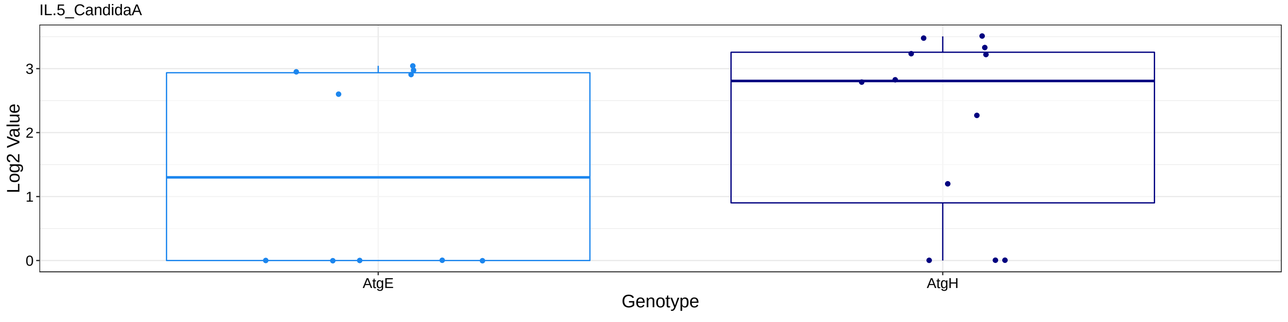

IL.5_CandidaA
IL.1a_CandidaA
CCL2_CandidaA
IL.1a_BacteroidesV
39
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

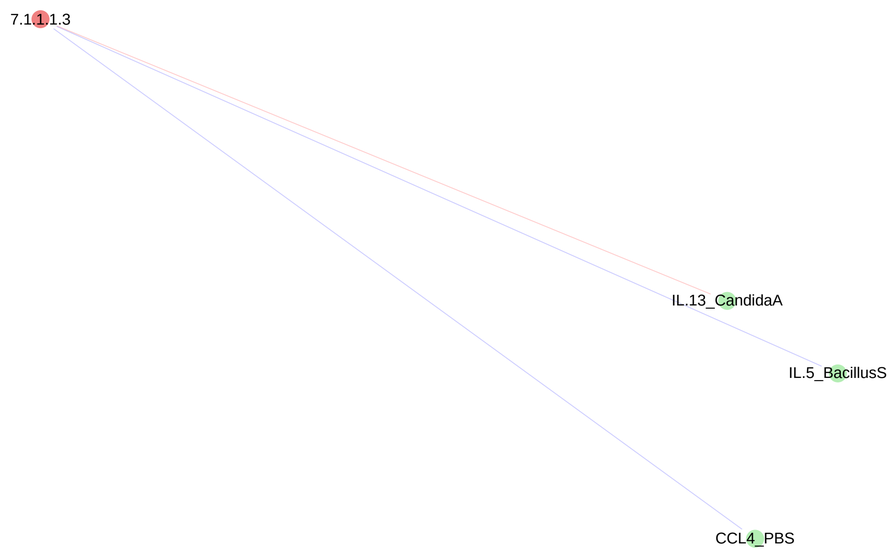

39
Log2 Value
5.5
5.4
5.3
5.2
AtgE
AtgH
Genotype

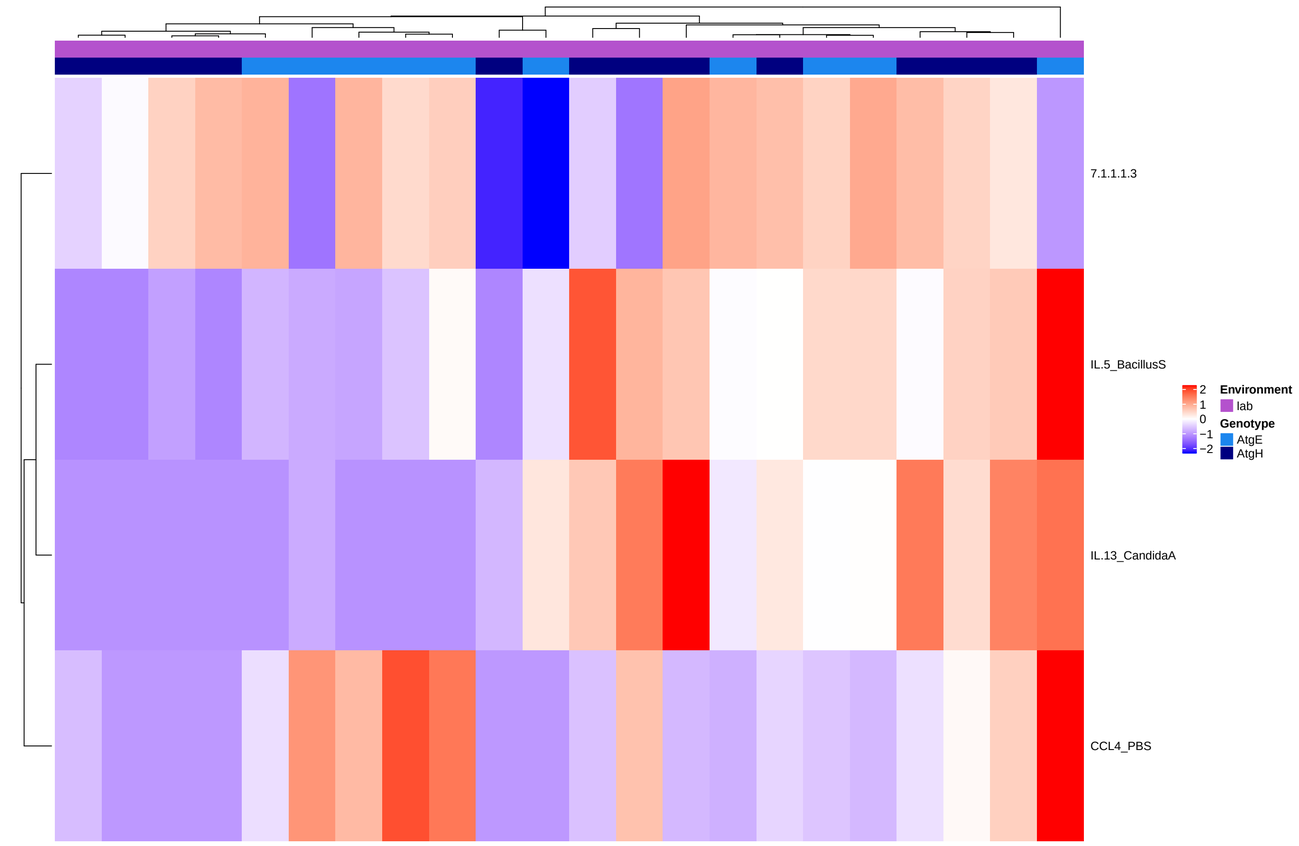

CCL2_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype

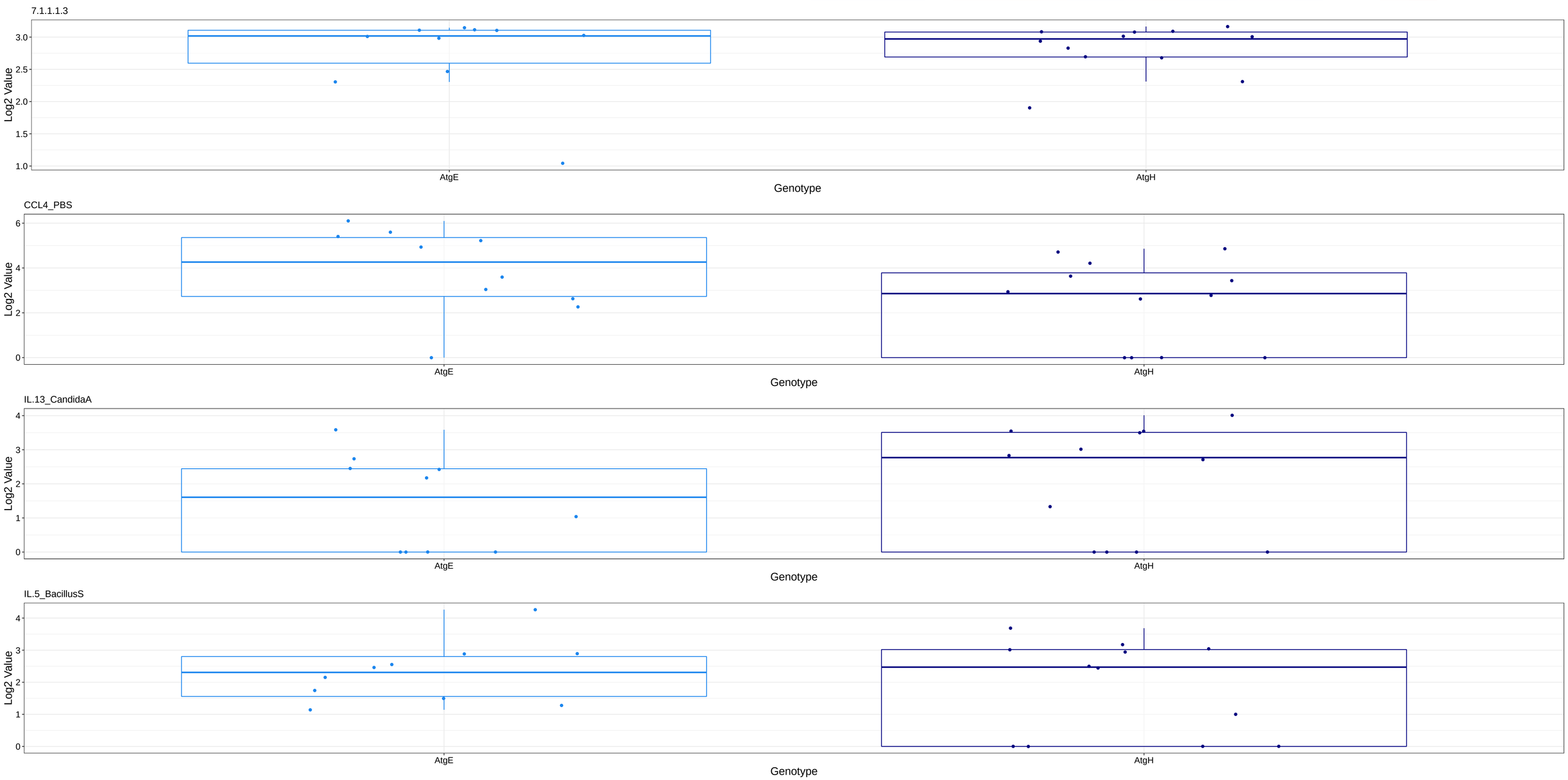

IL.1a_BacteroidesV
Log2 Value
2.5
2.0
1.5
1.0
0.5
0.0
AtgE
AtgH
Genotype

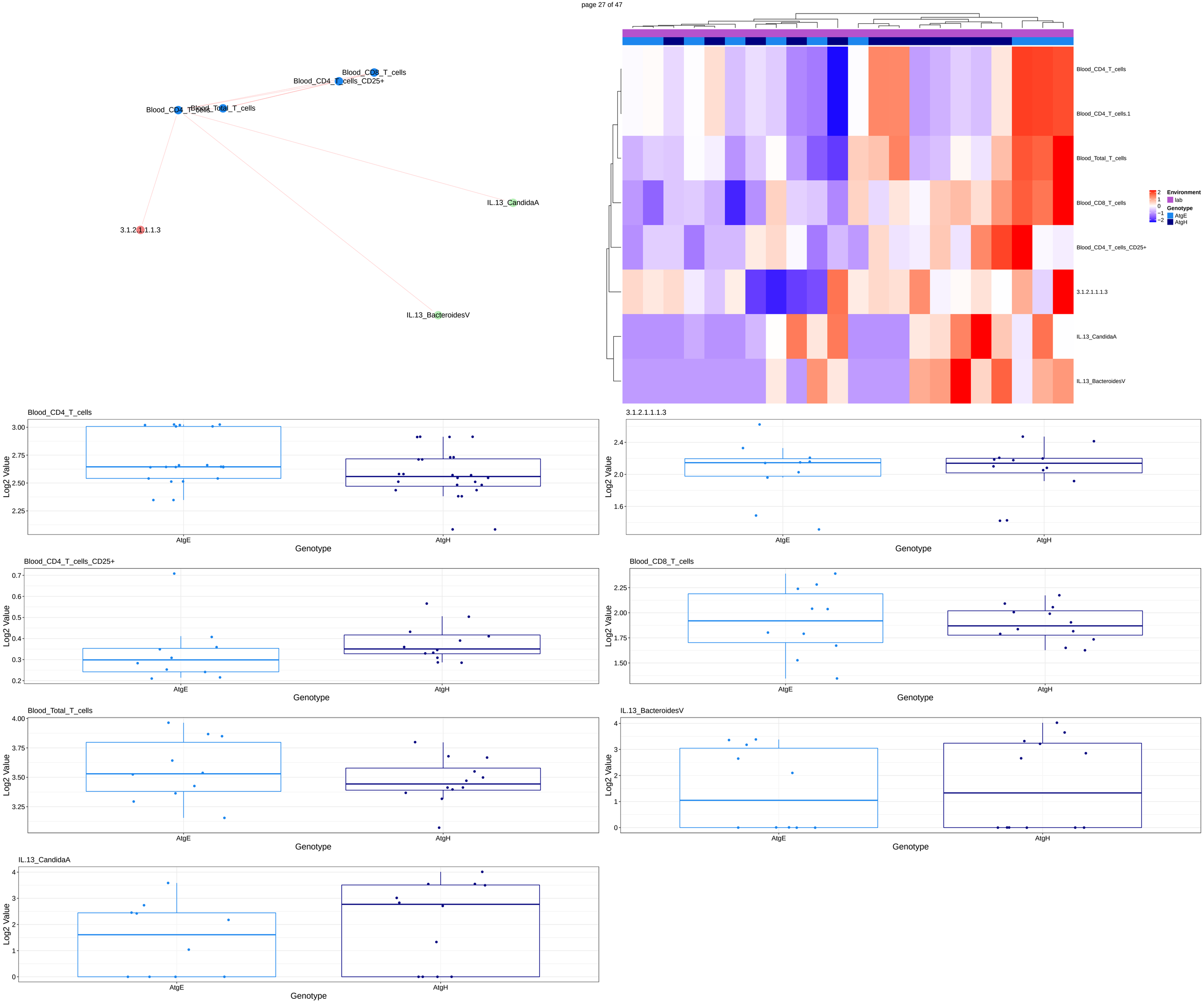

IL.1a_CandidaA
Log2 Value
2.5
2.0
1.5
1.0
0.5
0.0
AtgE
AtgH
Genotype

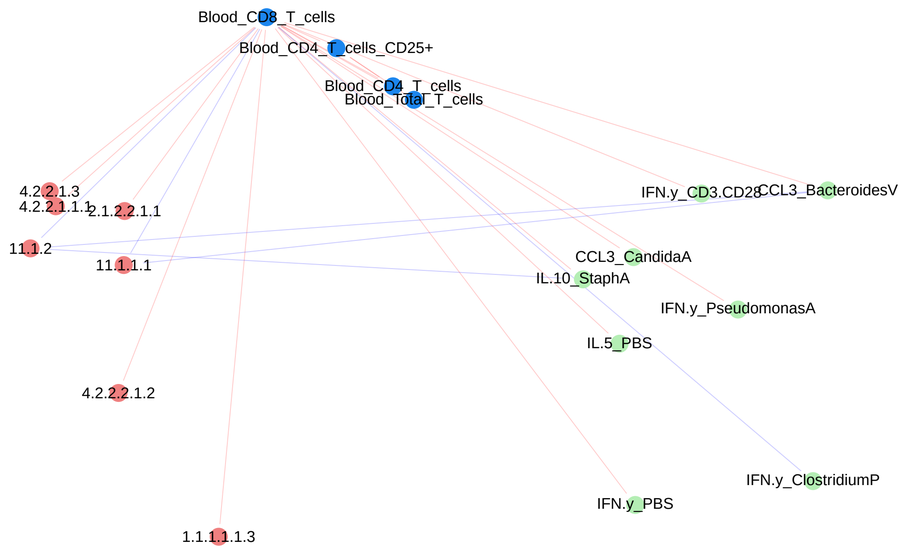

IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype

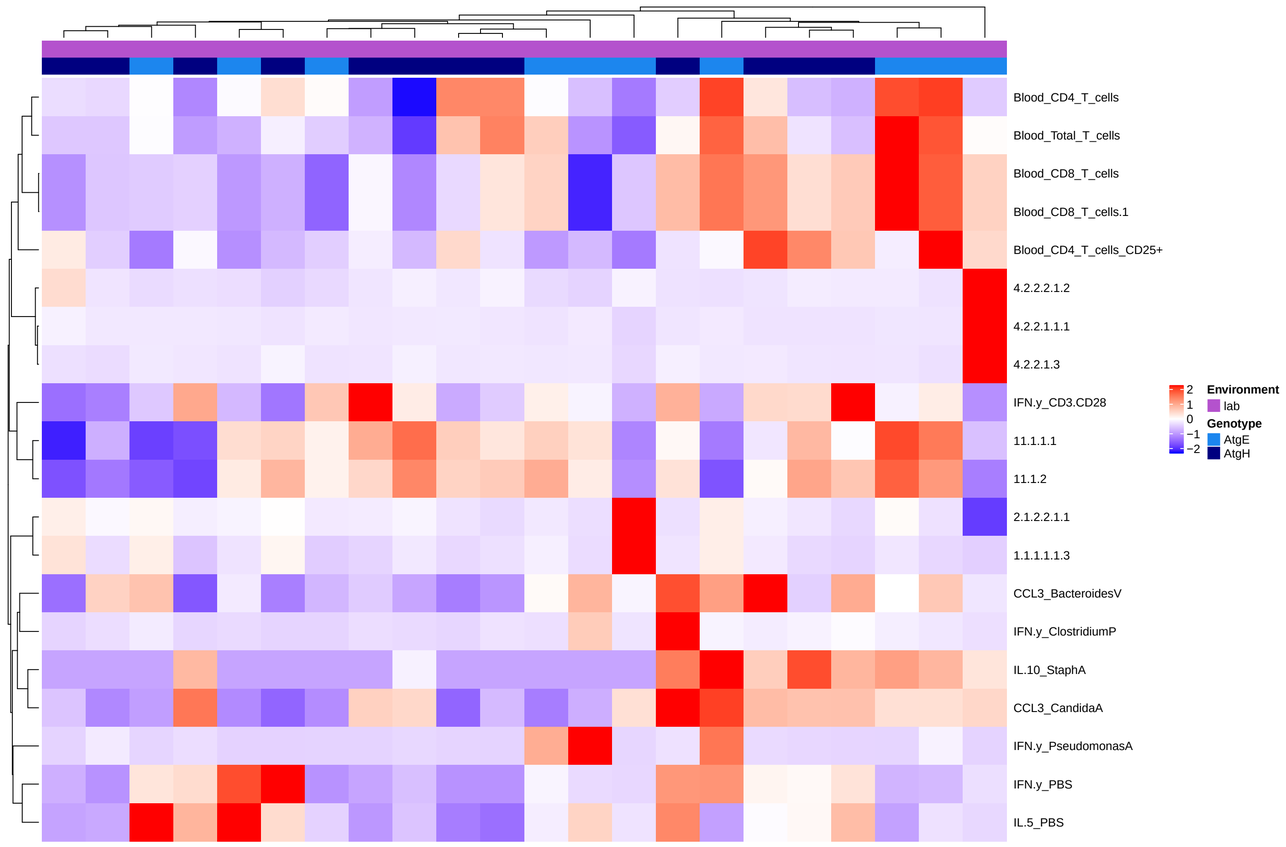

7.1.1.1.3
IL.13_CandidaA
IL.5_BacillusS
CCL4_PBS

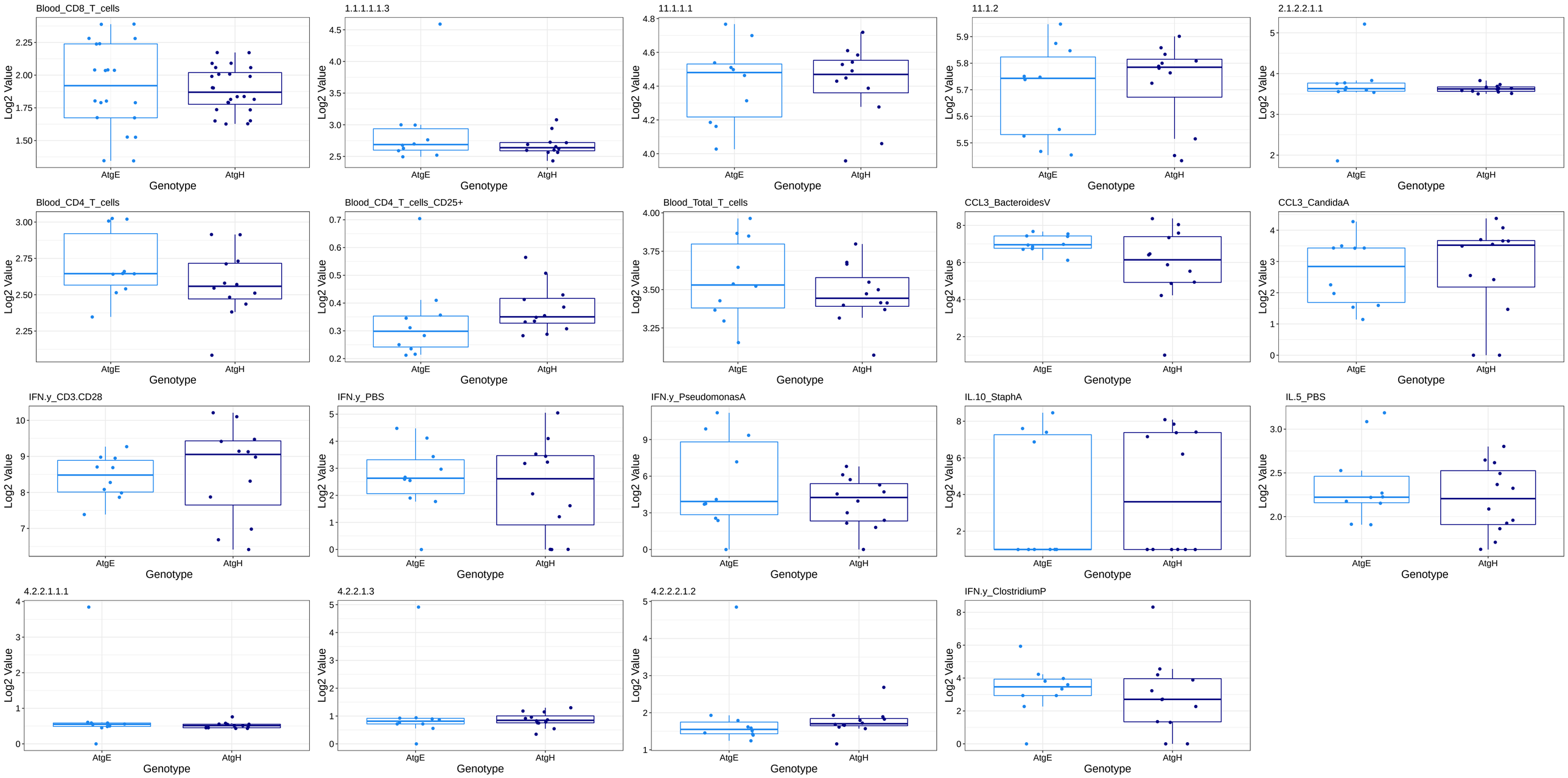

7.1.1.1.3
IL.5_BacillusS
IL.13_CandidaA
CCL4_PBS
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

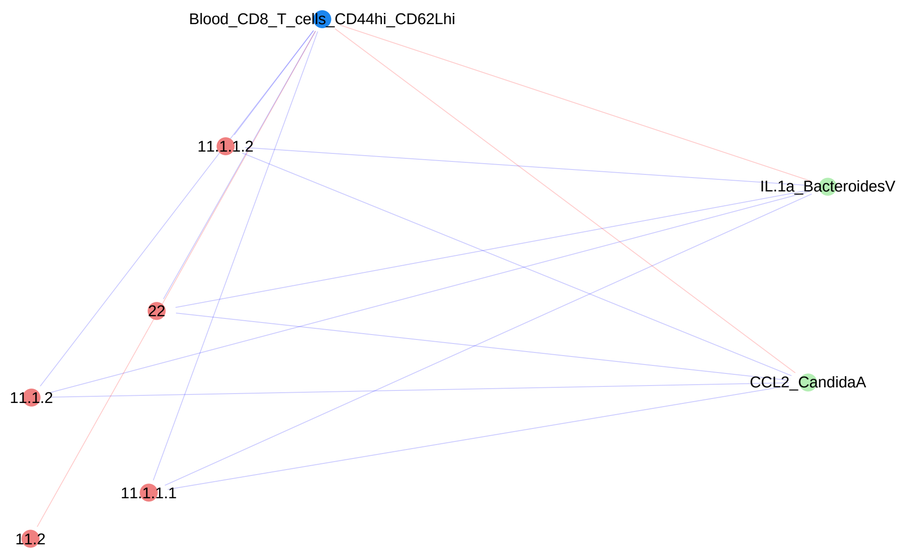

7.1.1.1.3
Log2 Value
3.0
2.5
2.0
1.5
1.0
AtgE
AtgH
Genotype
CCL4_PBS
Log2 Value
6
4
2
0
AtgE
AtgH
Genotype
IL.13_CandidaA
Log2 Value
4
3
2
1
0
AtgE
AtgH
Genotype
IL.5_BacillusS
Log2 Value
4
3
2
1
0
AtgE
AtgH
Genotype

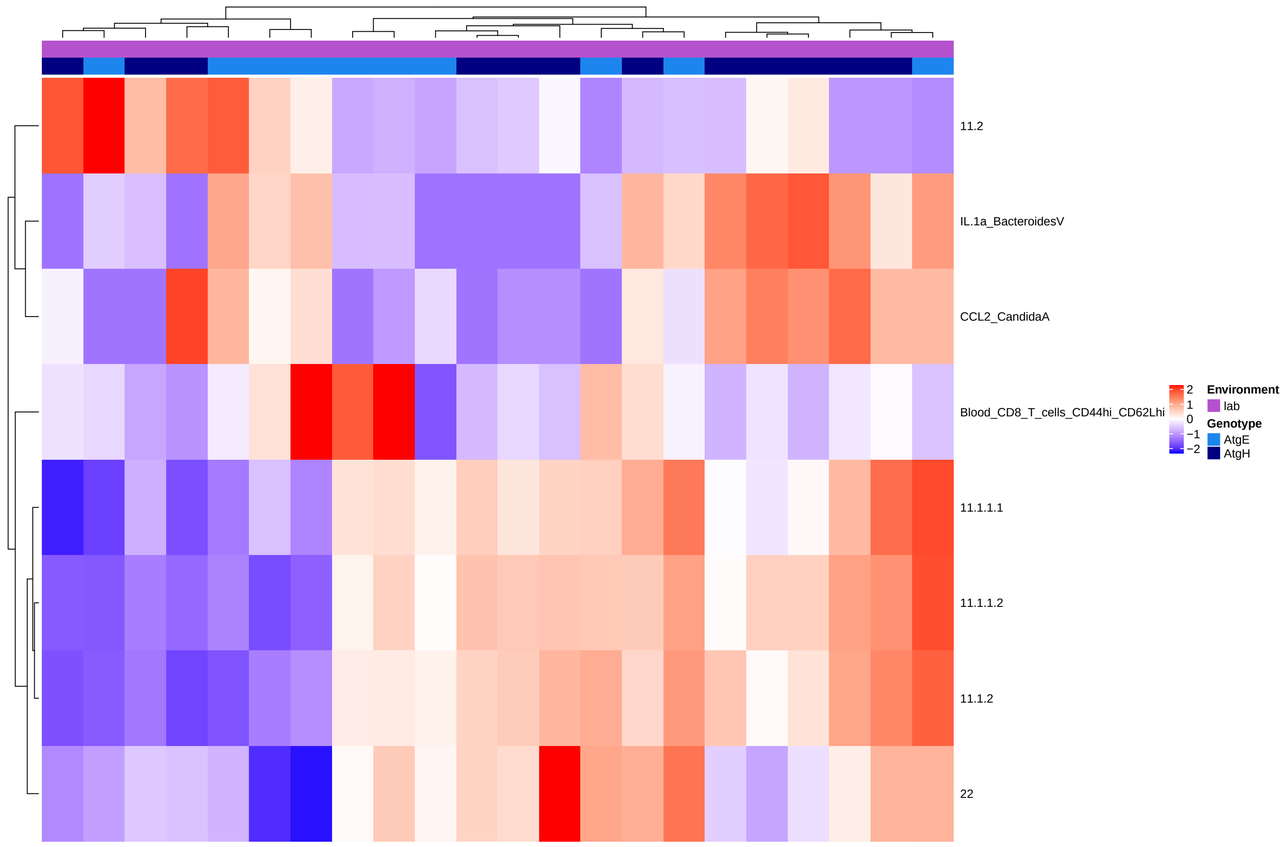

Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD4_T_cells
Blood_Total_T_cells
IL.13_CandidaA
3.1.2.1.1.1.3
IL.13_BacteroidesV
Blood_CD4_T_cells
Blood_CD4_T_cells.1
Blood_Total_T_cells
Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
3.1.2.1.1.1.3
IL.13_CandidaA
IL.13_BacteroidesV
Environment
lab
Genotype
AtgE
AtgH
Log2 Value
Genotype
AtgE
AtgH

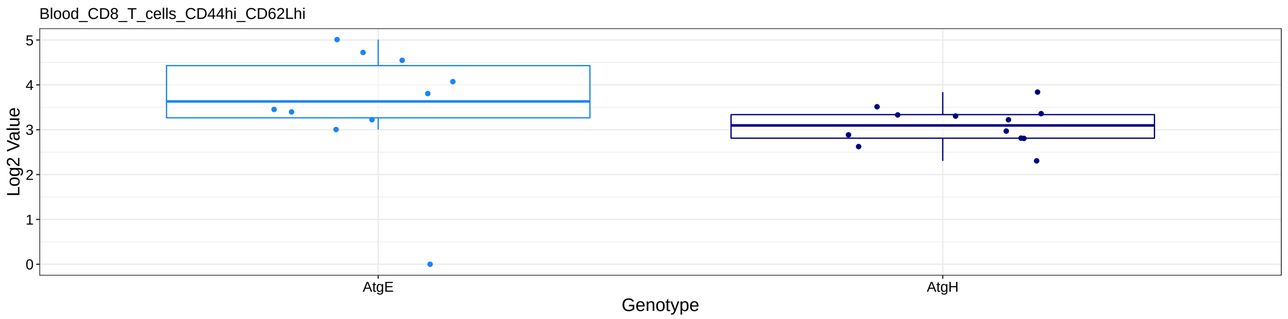

Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD4_T_cells
Blood_Total_T_cells
4.2.2.1.3
4.2.2.1.1.1
2.1.2.2.1.1
11.1.2
11.1.1.1
4.2.2.2.1.2
1.1.1.1.1.3
IFN.y_CD3.CD28
CCL3_BacteroidesV
CCL3_CandidaA
IL.10_StaphA
IFN.y_PseudomonasA
IL.5_PBS
IFN.y_ClostridiumP
IFN.y_PBS

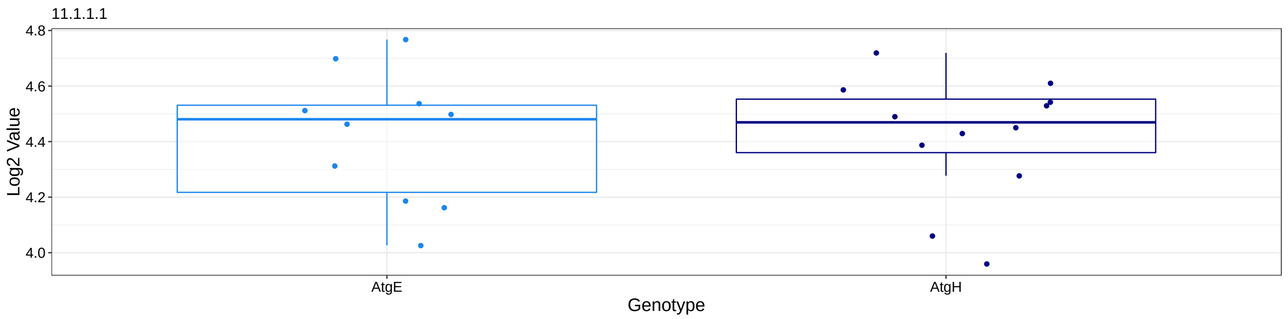

Blood_CD4_T_cells
Blood_Total_T_cells
Blood_CD8_T_cells
Blood_CD8_T_cells.1
Blood_CD4_T_cells_CD25+
4.2.2.2.1.2
4.2.2.1.1.1
4.2.2.1.3
IFN.y_CD3.CD28
11.1.1.1
11.1.2
2.1.2.2.1.1
1.1.1.1.1.3
CCL3_BacteroidesV
IFN.y_ClostridiumP
IL.10_StaphA
CCL3_CandidaA
IFN.y_PseudomonasA
IFN.y_PBS
IL.5_PBS
Environment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

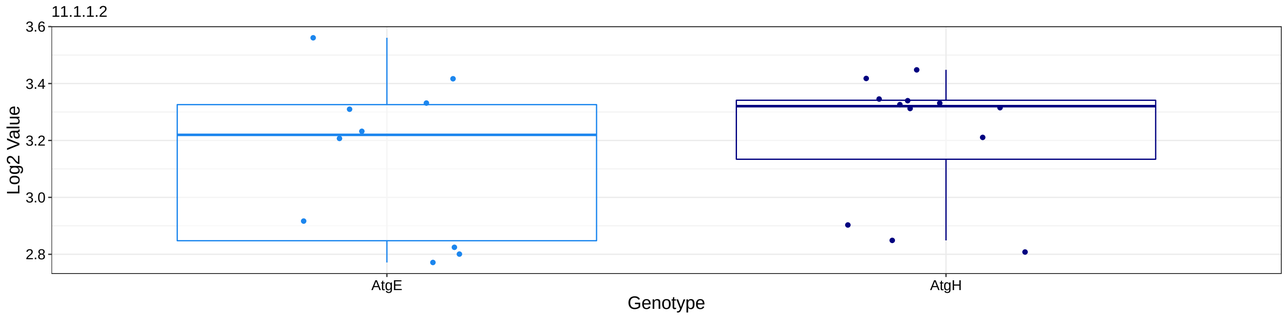

Blood_CD8_T_cells
1.1.1.1.1.3
11.1.1.1
11.1.2
2.1.2.2.1.1
Blood_CD4_T_cells
Blood_CD4_T_cells_CD25+
Blood_Total_T_cells
CCL3_BacteroidesV
CCL3_CandidaA
IFN.y_CD3.CD28
IFN.y_PBS
IFN.y_PseudomonasA
IL.10_StaphA
IL.5_PBS
4.2.2.1.1.1
4.2.2.1.3
4.2.2.2.1.2
IFN.y_ClostridiumP
Log2 Value
Genotype
AtgE
AtgH

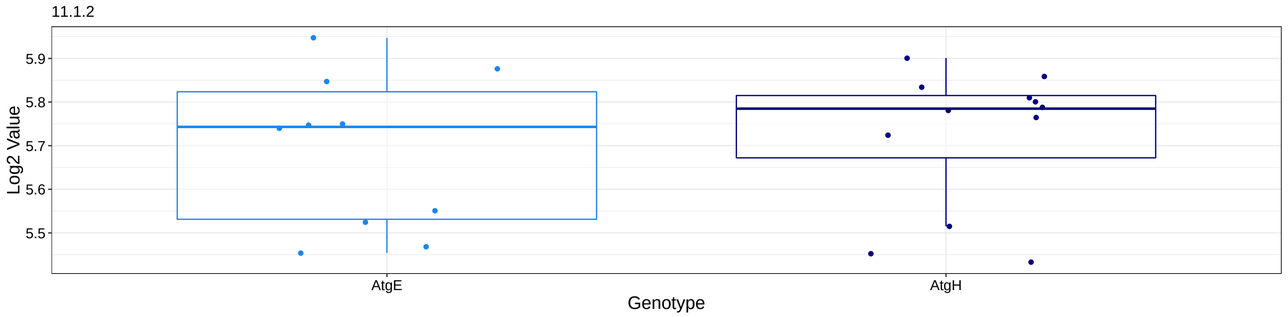

Blood_CD8_T_cells_CD44hi_CD62Lhi
11.1.1.2
IL.1a_BacteroidesV
22
CCL2_CandidaA
11.1.2
11.1.1.1
11.2

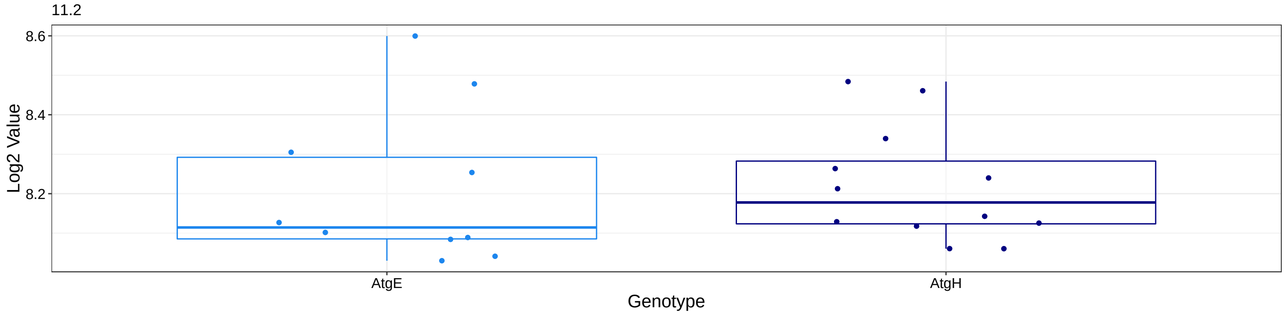

11.2
IL.1a_BacteroidesV
CCL2_CandidaA
Blood_CD8_T_cells_CD44hi_CD62Lhi
11.1.1.1
11.1.1.2
11.1.2
22
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

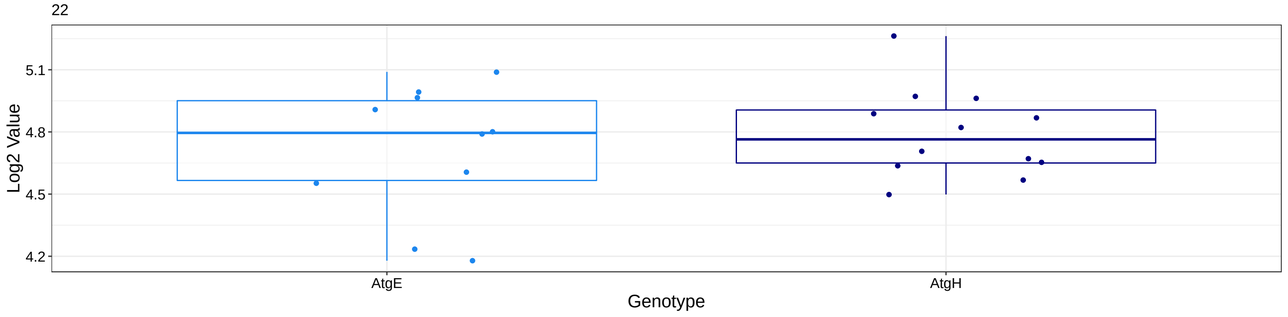

Blood_CD8_T_cells_CD44hi_CD62Lhi
Log2 Value
AtgE
AtgH
Genotype

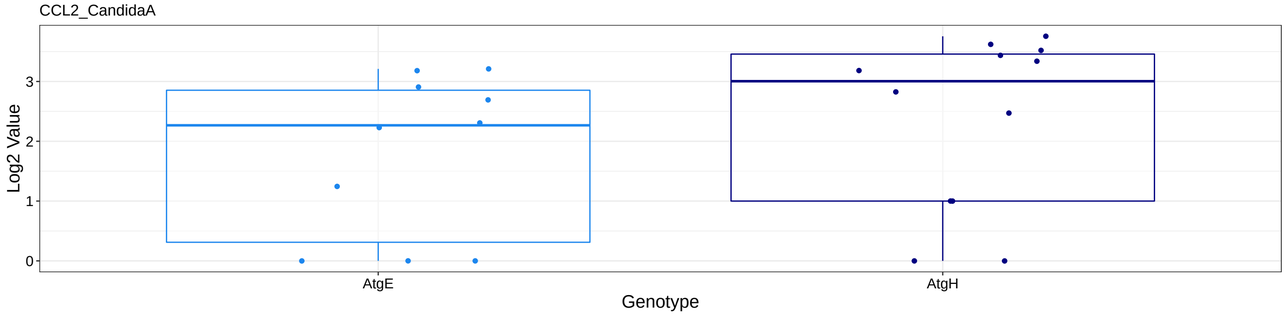

11.1.1.1
Log2 Value
AtgE
AtgH
Genotype

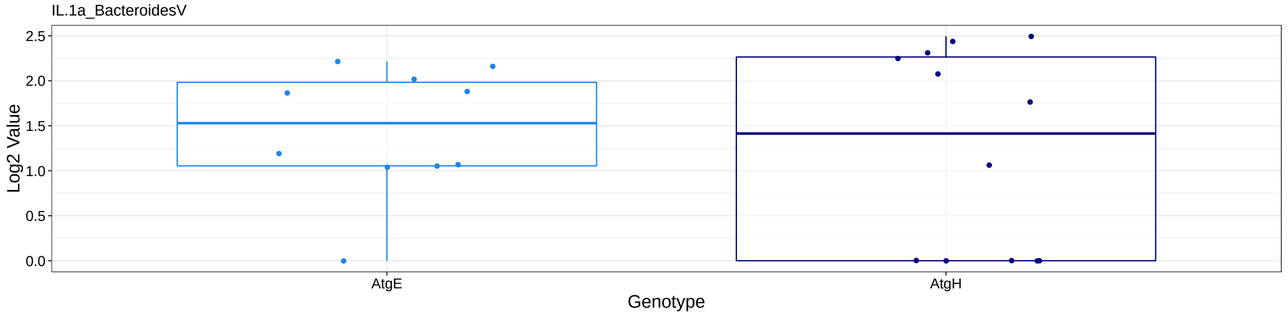

11.1.1.2
Log2 Value
AtgE
AtgH
Genotype

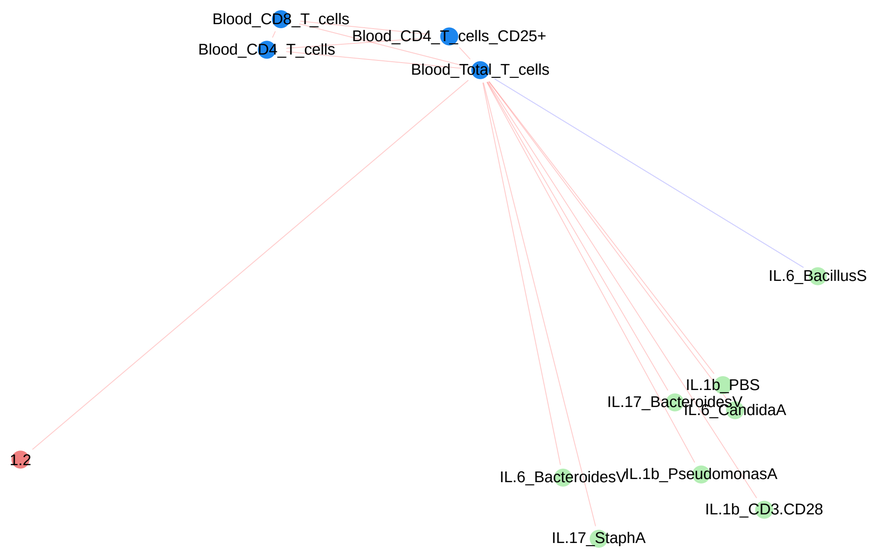

11.1.2
Log2 Value
AtgE
AtgH
Genotype

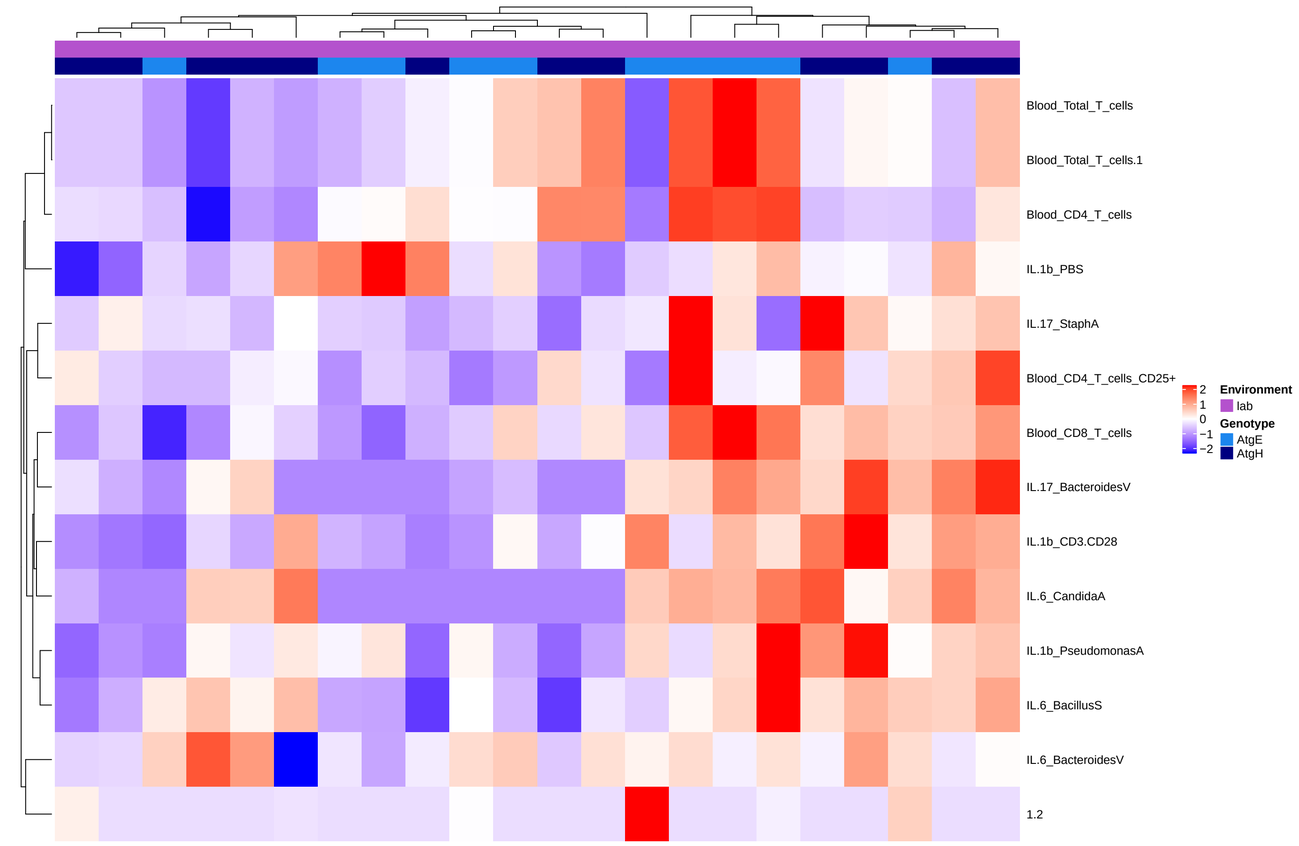

11.2
Log2 Value
AtgE
AtgH
Genotype

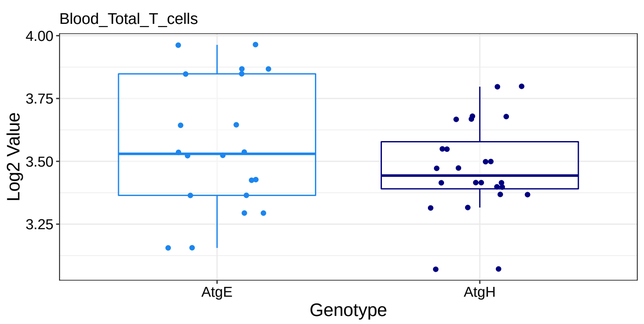

22
Log2 Value
AtgE
AtgH
Genotype

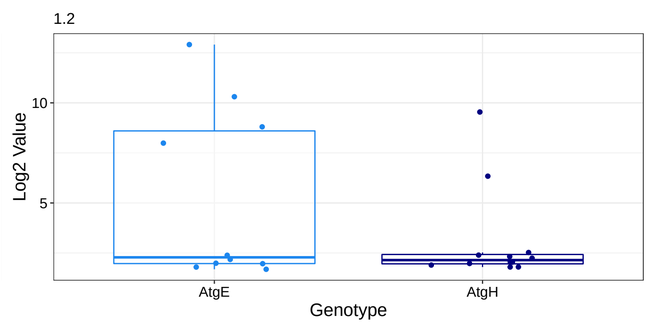

CCL2_CandidaA
Log2 Value
AtgE
AtgH
Genotype

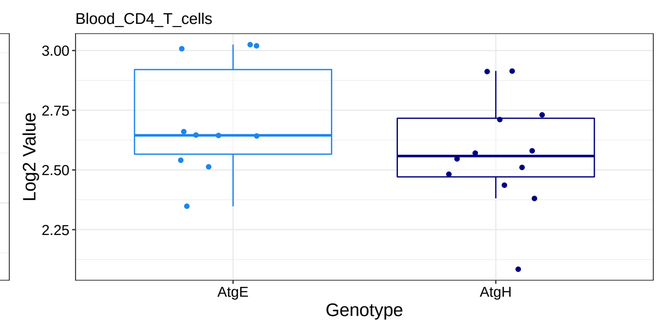

IL.1a_BacteroidesV
Log2 Value
AtgE
AtgH
Genotype

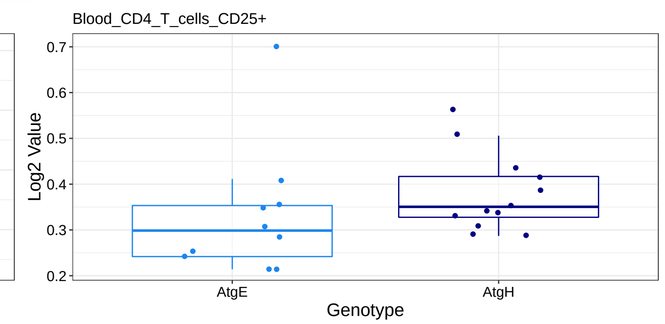

Blood_CD8_T_cells
Blood_CD4_T_cells_CD25+
Blood_CD4_T_cells
Blood_Total_T_cells
IL.6_BacillusS
IL.1b_PBS
IL.17_BacteroidesV
IL.6_CandidaA
1.2
IL.6_BacteroidesV
IL.1b_PseudomonasA
IL.1b_CD3.CD28
IL.17_StaphA

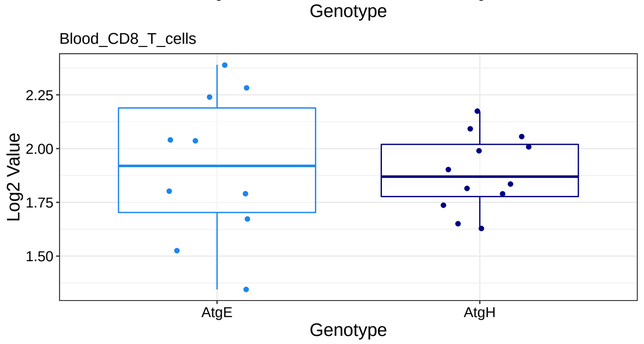

Blood_Total_T_cells
Blood_Total_T_cells.1
Blood_CD4_T_cells
IL.1b_PBS
IL.17_StaphA
Blood_CD4_T_cells_CD25+
Blood_CD8_T_cells
IL.17_BacteroidesV
IL.1b_CD3.CD28
IL.6_CandidaA
IL.1b_PseudomonasA
IL.6_BacillusS
IL.6_BacteroidesV
1.2
Environment
lab
Genotype
AtgE
AtgH

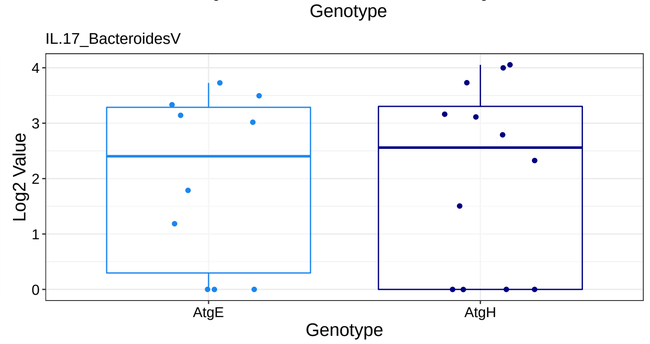

Blood_Total_T_cells
Log2 Value
Genotype
AtgE
AtgH

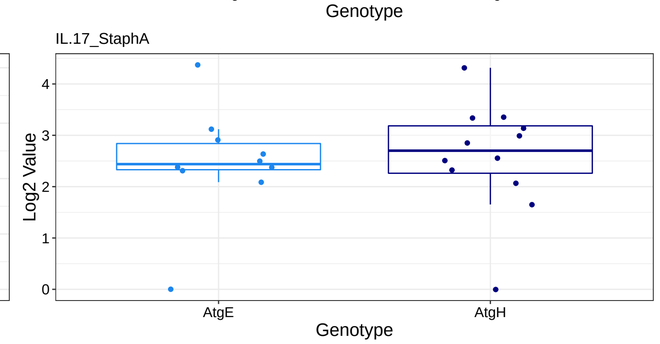

1.2
Log2 Value
Genotype
AtgE
AtgH

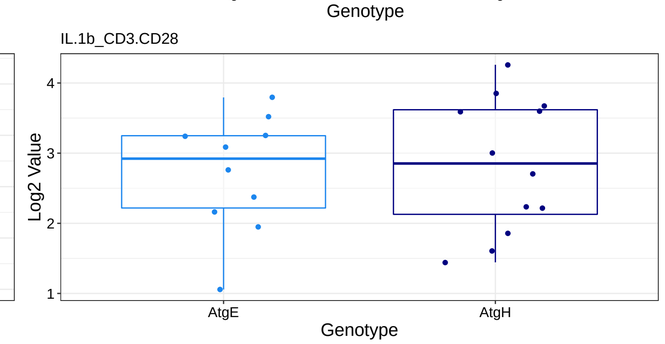

Blood_CD4_T_cells
Log2 Value
Genotype
AtgE
AtgH

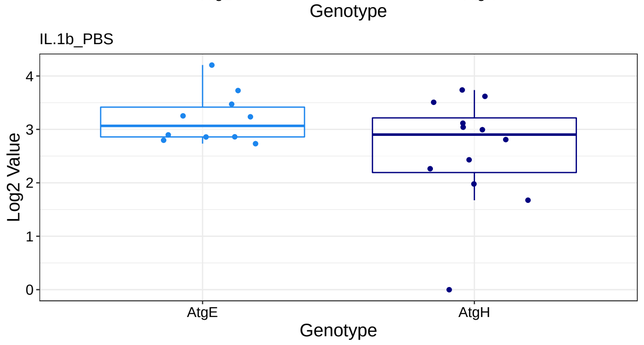

Blood_CD4_T_cells_CD25+
Log2 Value
Genotype
AtgE
AtgH

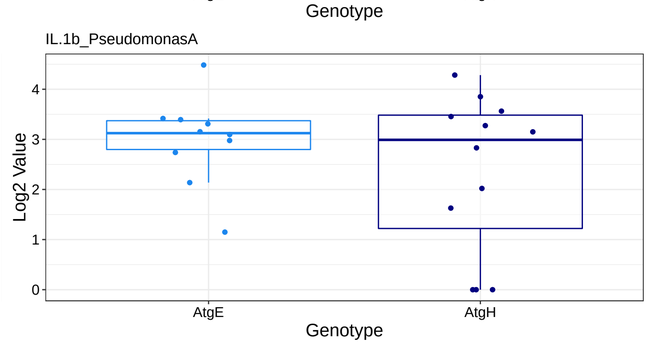

Blood_CD8_T_cells
Log2 Value
Genotype
AtgE
AtgH

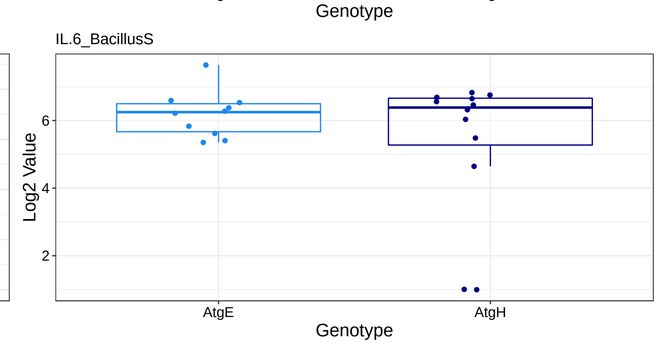

IL.17_BacteroidesV
Log2 Value
Genotype
AtgE
AtgH

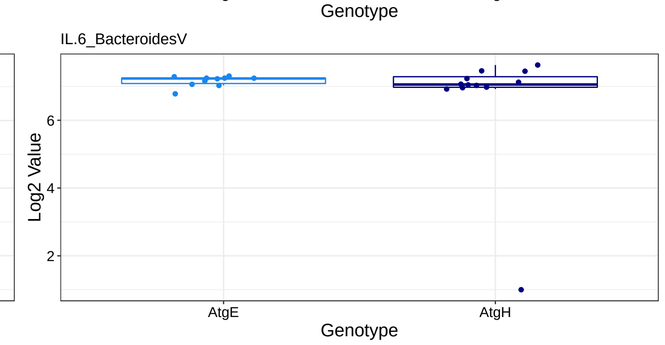

IL.17_StaphA
Log2 Value
Genotype
AtgE
AtgH

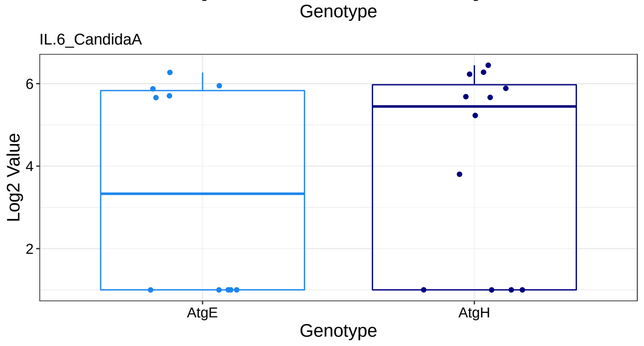

IL.1b_CD3.CD28
Log2 Value
Genotype
AtgE
AtgH

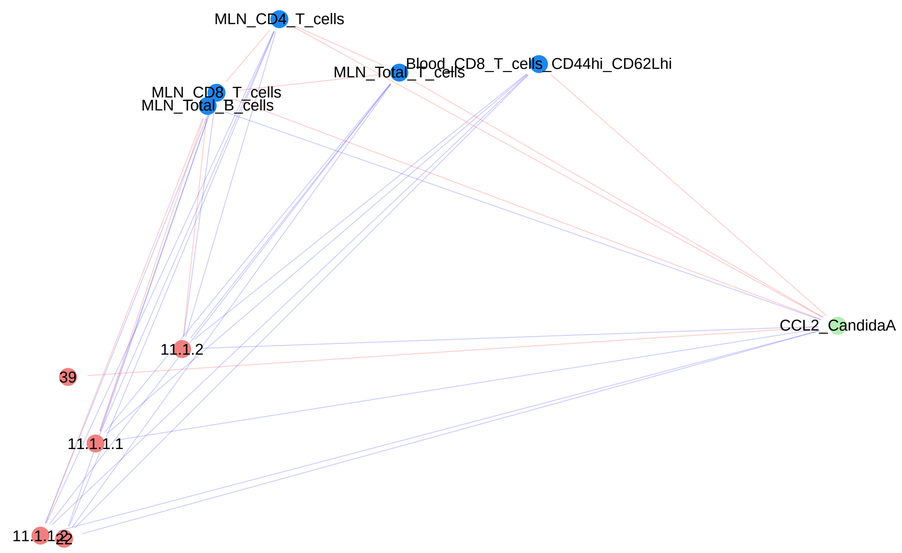

IL.1b_PBS
Log2 Value
Genotype
AtgE
AtgH

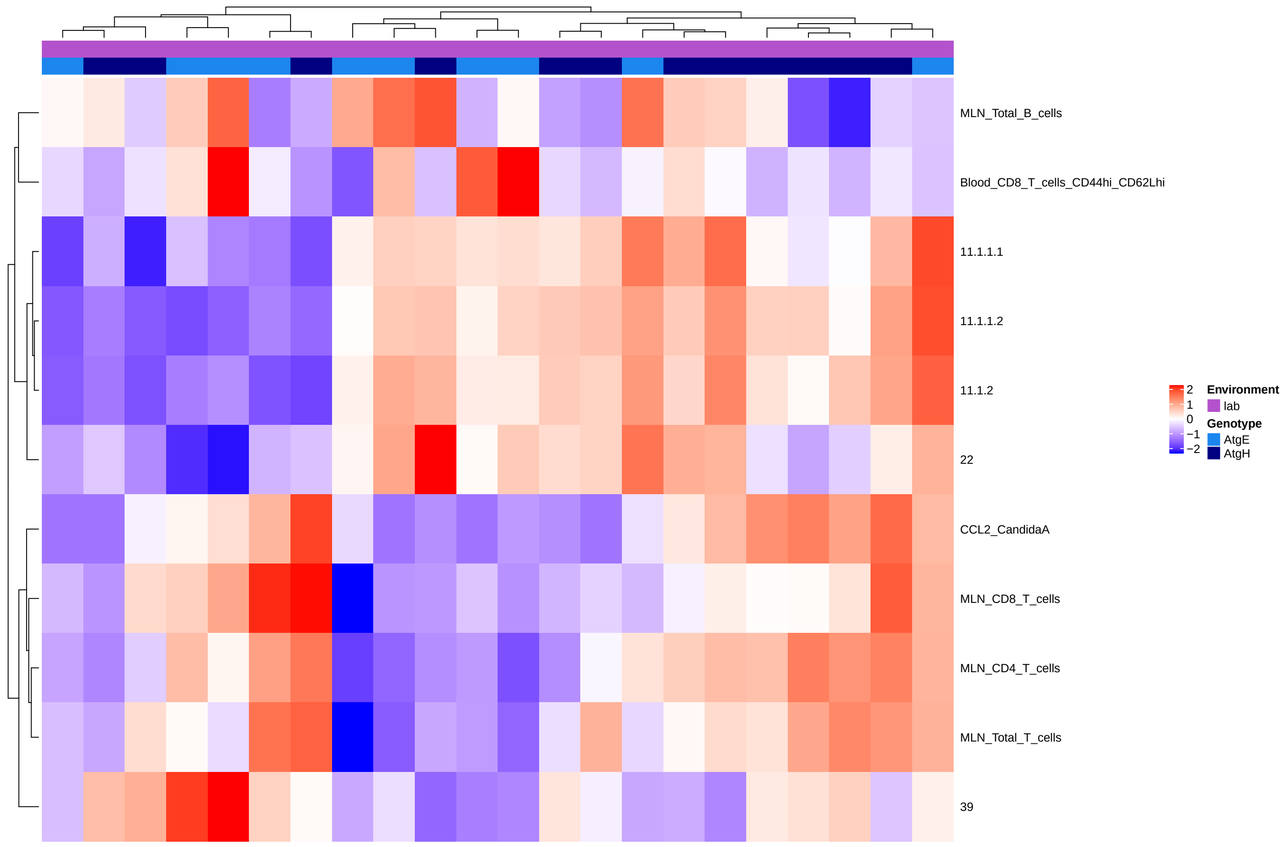

IL.1b_PseudomonasA
Log2 Value
Genotype
AtgE
AtgH

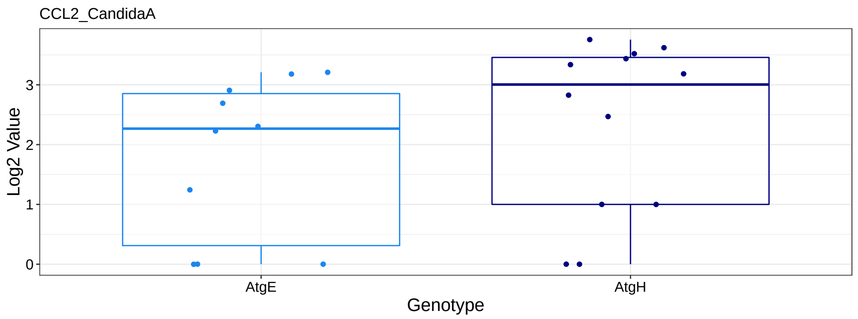

IL.6_BacillusS
Log2 Value
Genotype
AtgE
AtgH

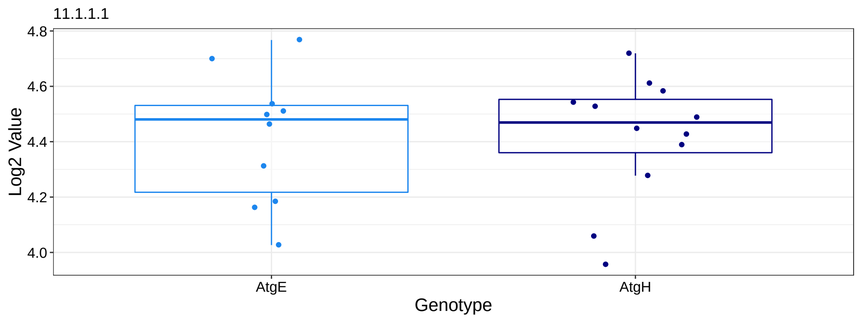

IL.6_BacteroidesV
Log2 Value
Genotype
AtgE
AtgH

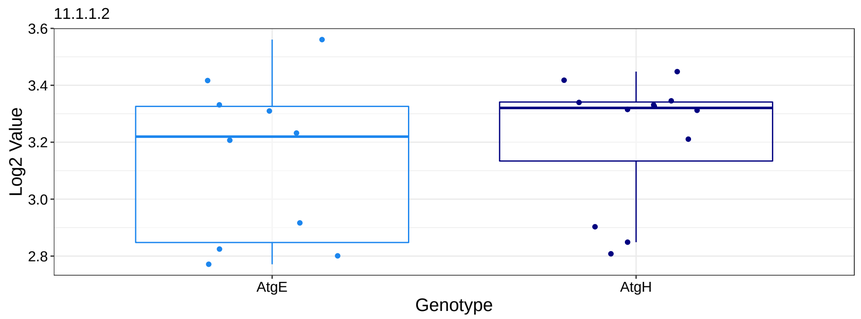

IL.6_CandidaA
Log2 Value
Genotype
AtgE
AtgH

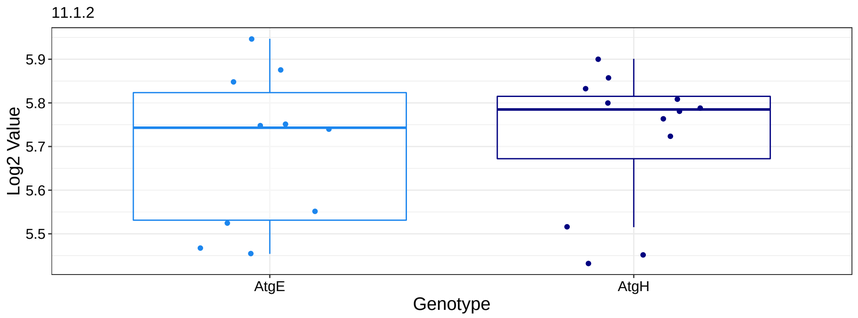

MLN_CD4_T_cells
MLN_Total_T_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
MLN_CD8_T_cells
MLN_Total_B_cells
CCL2_CandidaA
11.1.2
39
11.1.1.1
11.1.1.2
22

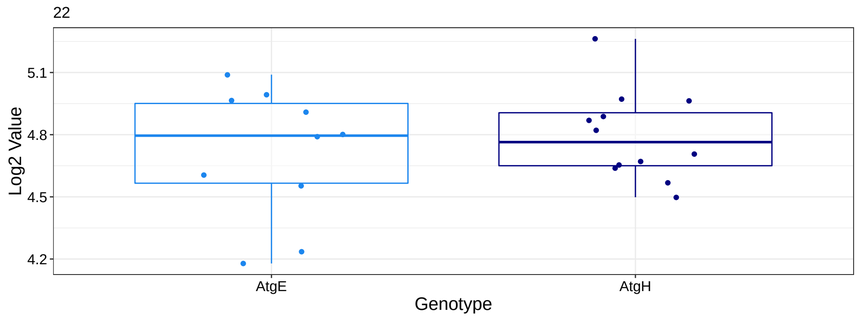

MLN_Total_B_cells
Blood_CD8_T_cells_CD44hi_CD62Lhi
11.1.1.1
11.1.1.2
11.1.2
22
CCL2_CandidaA
MLN_CD8_T_cells
MLN_CD4_T_cells
MLN_Total_T_cells
39
Environment
lab
Genotype
AtgE
AtgH

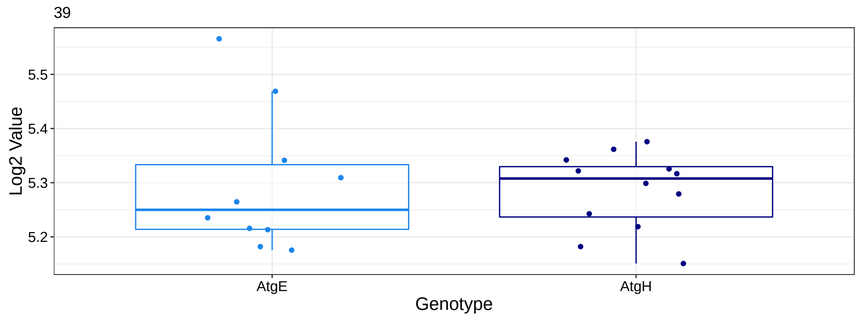

CCL2_CandidaA
Log2 Value
AtgE
AtgH
Genotype

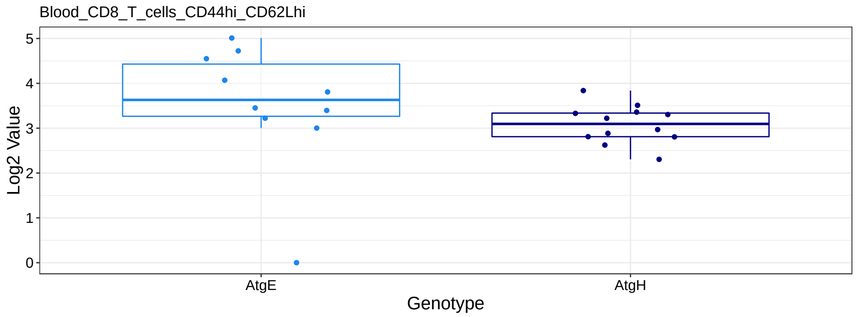

11.1.1.1
Log2 Value
AtgE
AtgH
Genotype

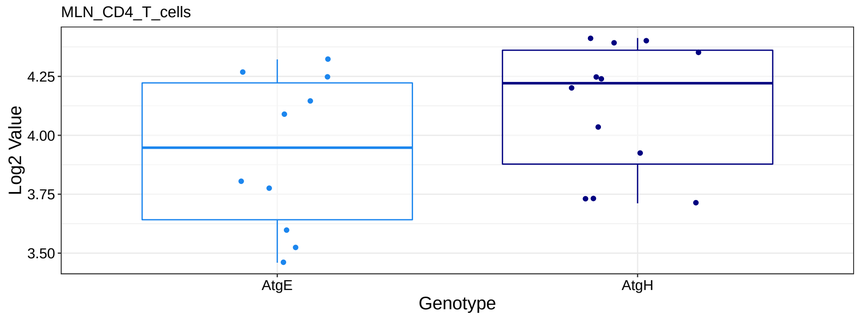

11.1.1.2
Log2 Value
AtgE
AtgH
Genotype

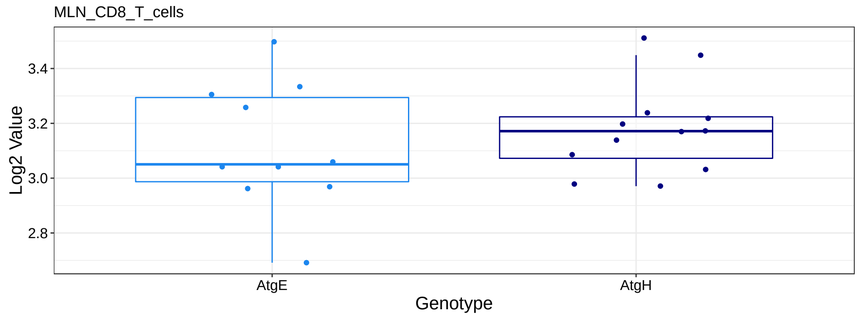

11.1.2
Log2 Value
AtgE
AtgH
Genotype

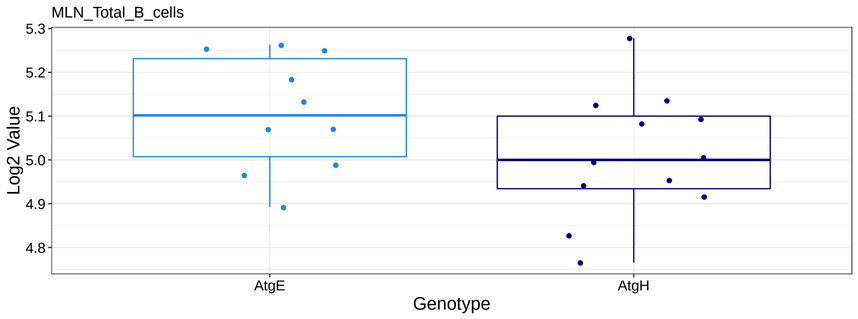

22
Log2 Value
AtgE
AtgH
Genotype

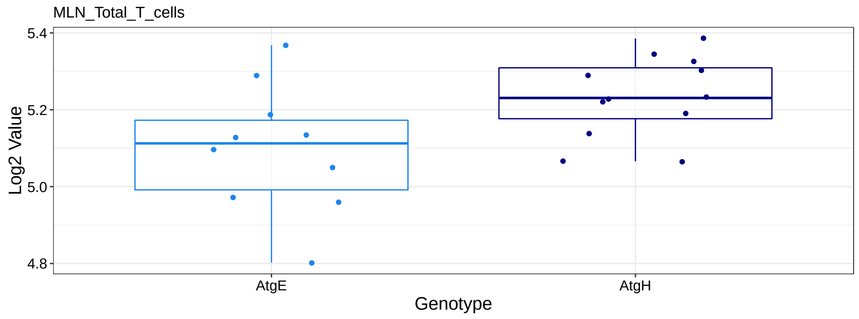

39
Log2 Value
AtgE
AtgH
Genotype

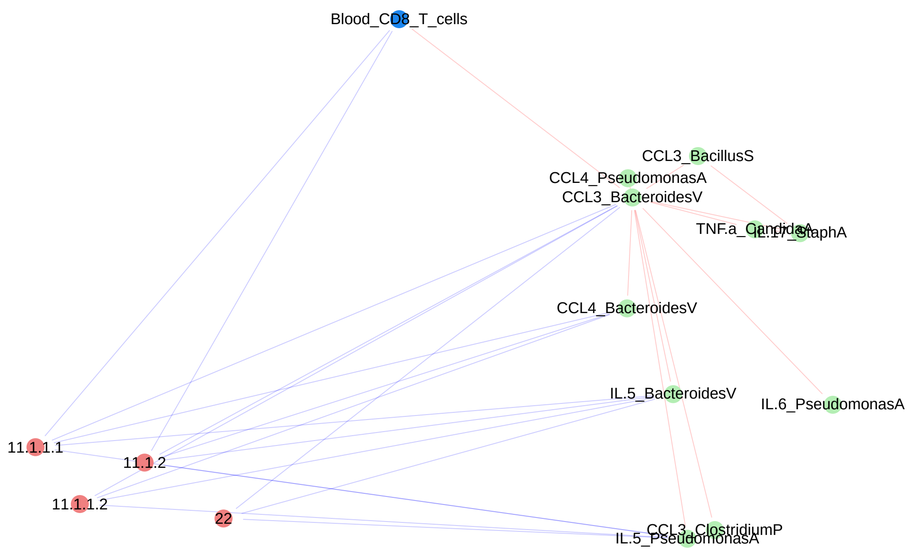

Blood_CD8_T_cells_CD44hi_CD62Lhi
Log2 Value
AtgE
AtgH
Genotype

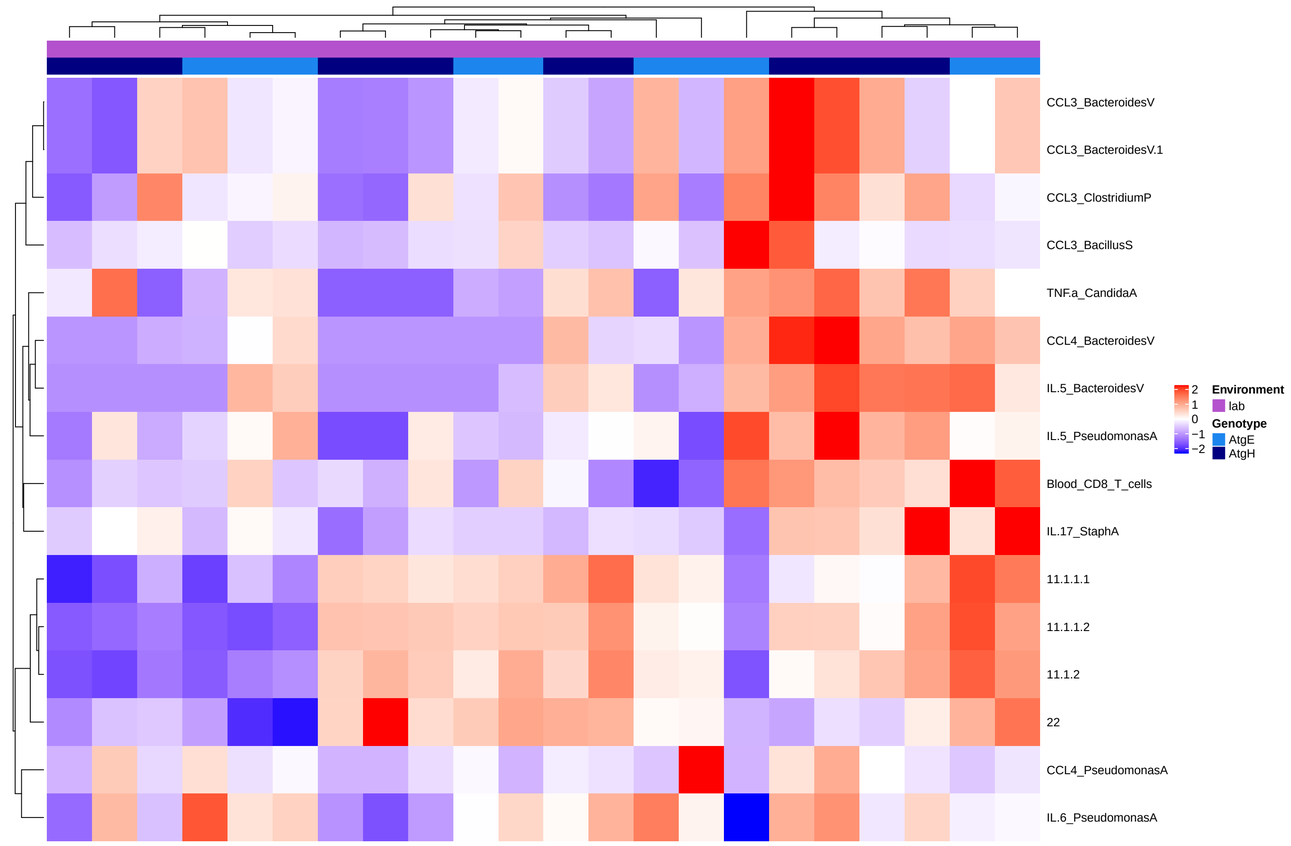

MLN_CD4_T_cells
Log2 Value
AtgE
AtgH
Genotype

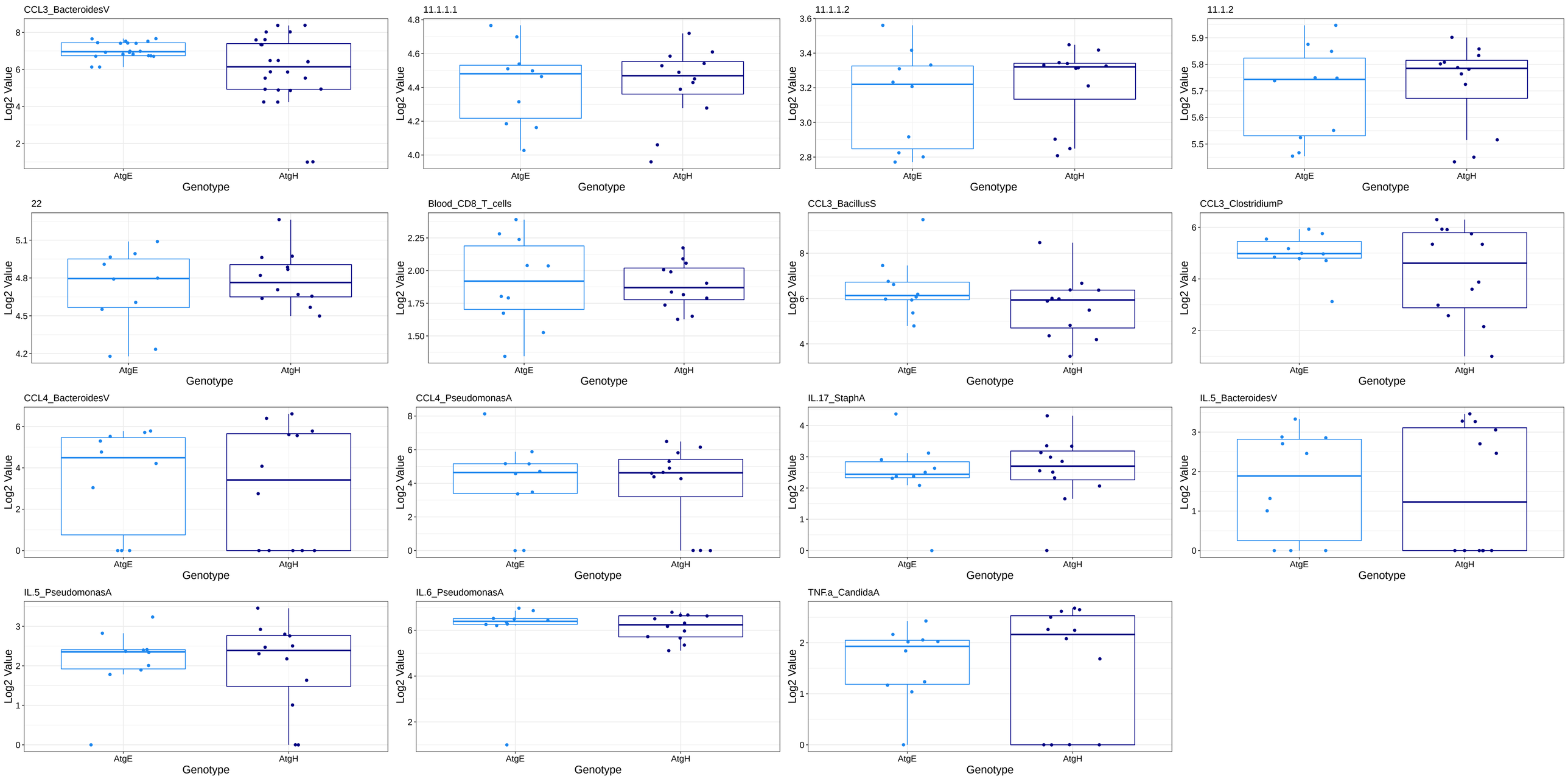

MLN_CD8_T_cells
Log2 Value
AtgE
AtgH
Genotype

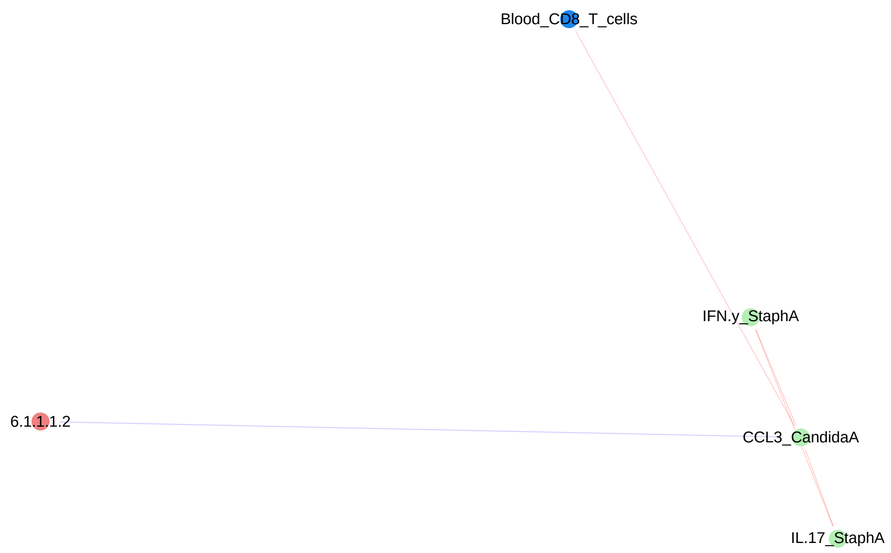

MLN_Total_B_cells
Log2 Value
AtgE
AtgH
Genotype

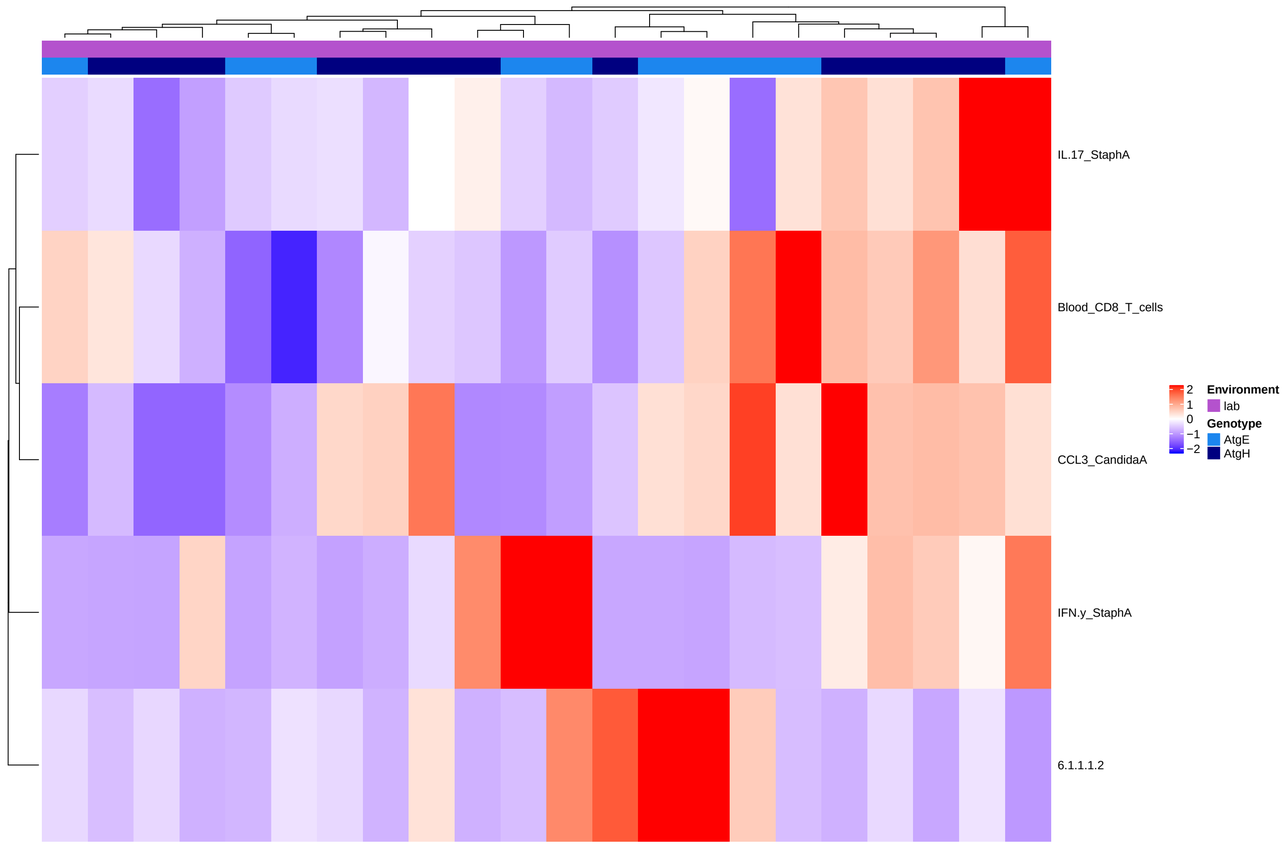

MLN_Total_T_cells
Log2 Value
AtgE
AtgH
Genotype

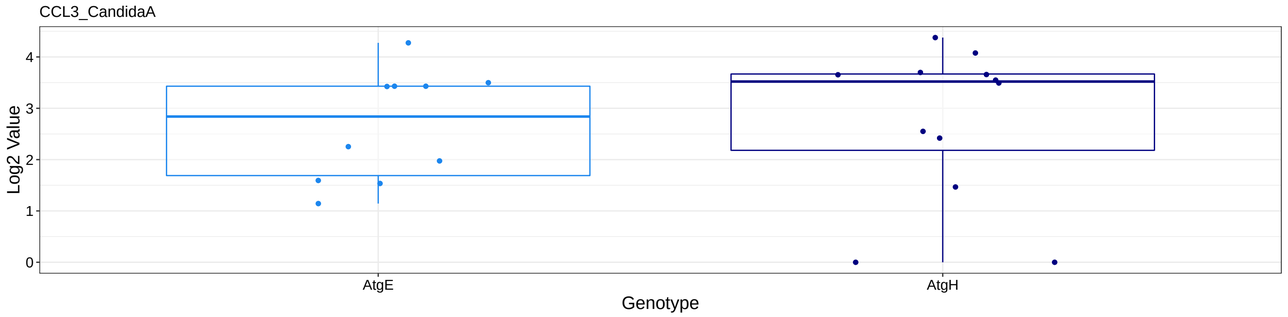

Blood_CD8_T_cells
CCL3_BacillusS
CCL4_PseudomonasA
CCL3_BacteroidesV
TNF.a_CandidaA
IL.17_StaphA
CCL4_BacteroidesV
IL.5_BacteroidesV
IL.6_PseudomonasA
11.1.1.1
11.1.2
11.1.1.2
22
CCL3_ClostridiumP
IL.5_PseudomonasA

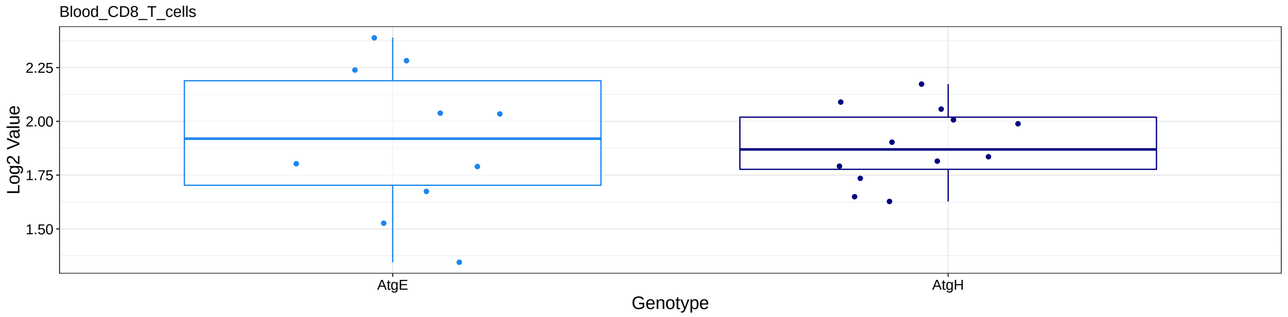

CCL3_BacteroidesV
CCL3_BacteroidesV.1
CCL3_ClostridiumP
CCL3_BacillusS
TNF.a_CandidaA
CCL4_BacteroidesV
IL.5_BacteroidesV
IL.5_PseudomonasA
Blood_CD8_T_cells
IL.17_StaphA
11.1.1.1
11.1.1.2
11.1.2
22
CCL4_PseudomonasA
IL.6_PseudomonasA
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

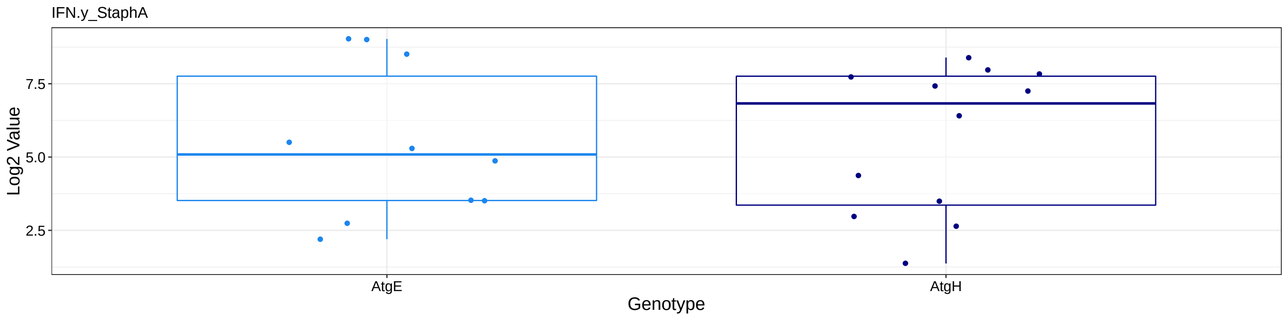

CCL3_BacteroidesV
11.1.1.1
11.1.1.2
11.1.2
22
Blood_CD8_T_cells
CCL3_BacillusS
CCL3_ClostridiumP
CCL4_BacteroidesV
CCL4_PseudomonasA
IL.17_StaphA
IL.5_BacteroidesV
IL.5_PseudomonasA
IL.6_PseudomonasA
TNF.a_CandidaA
Log2 Value
Genotype
AtgE
AtgH

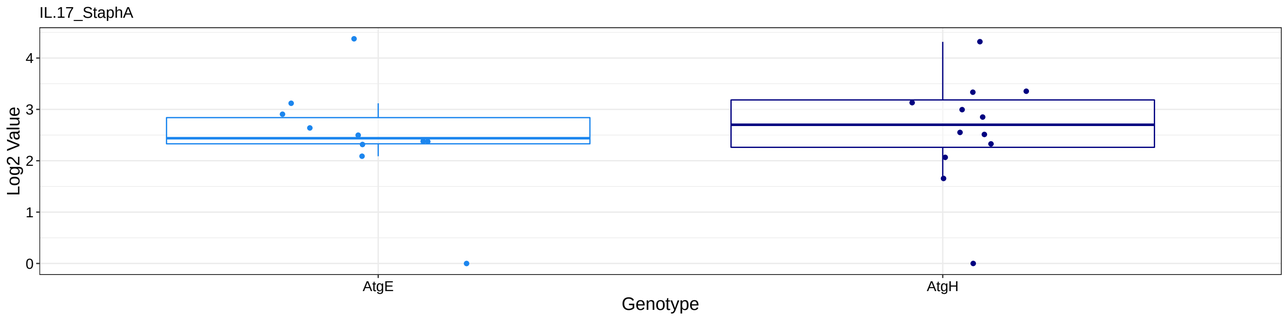

Blood_CD8_T_cells
IFN.y_StaphA
6.1.1.1.2
CCL3_CandidaA
IL.17_StaphA

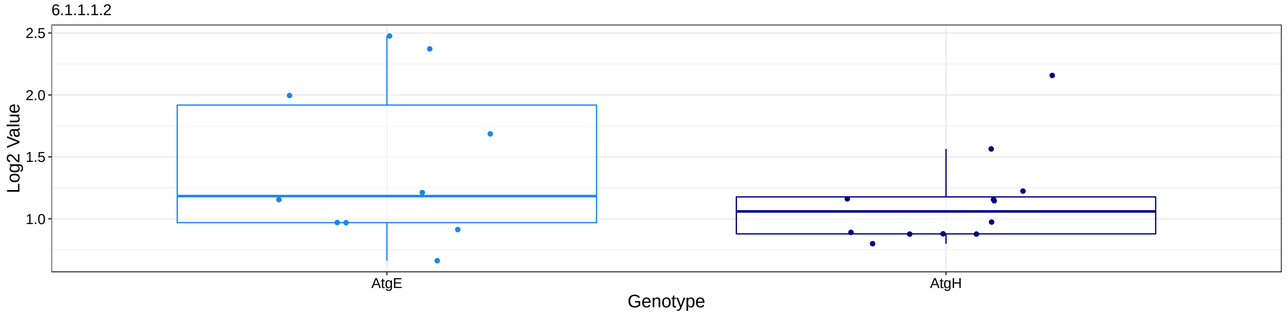

IL.17_StaphA
Blood_CD8_T_cells
CCL3_CandidaA
IFN.y_StaphA
6.1.1.1.2
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2

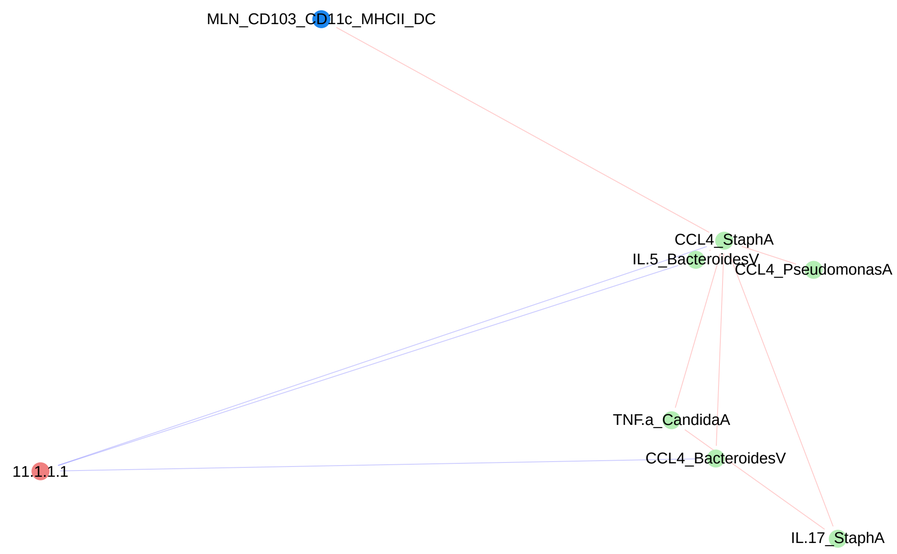

CCL3_CandidaA
Log2 Value
Genotype
AtgE
AtgH

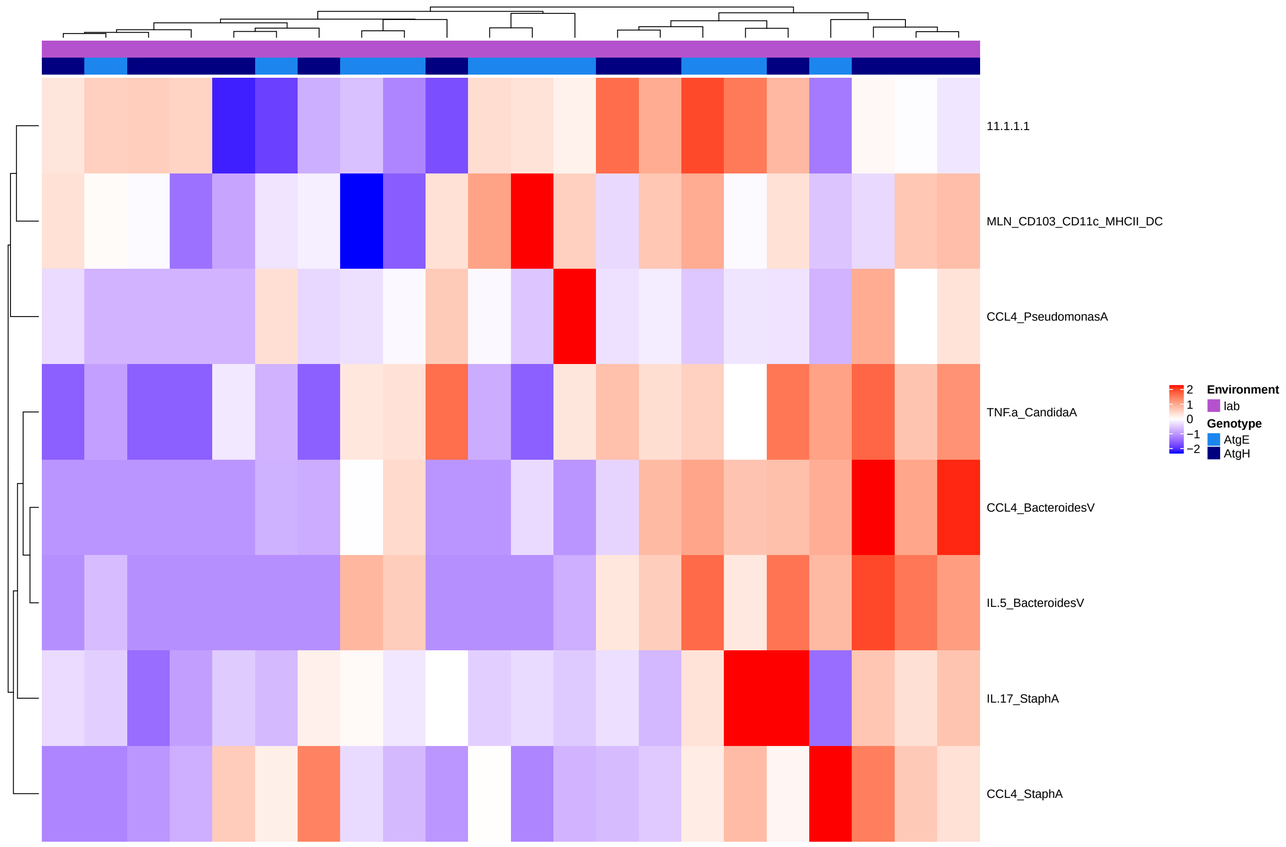

Blood_CD8_T_cells
Log2 Value
Genotype
AtgE
AtgH

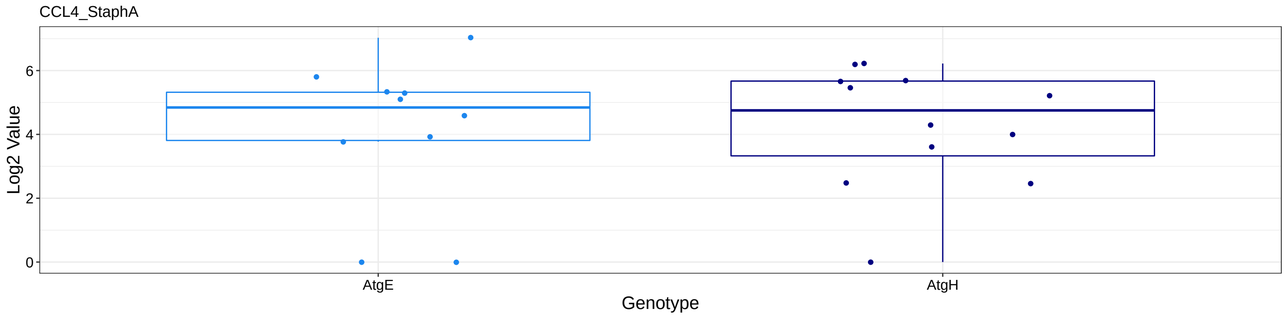

IFN.y_StaphA
Log2 Value
Genotype
AtgE
AtgH

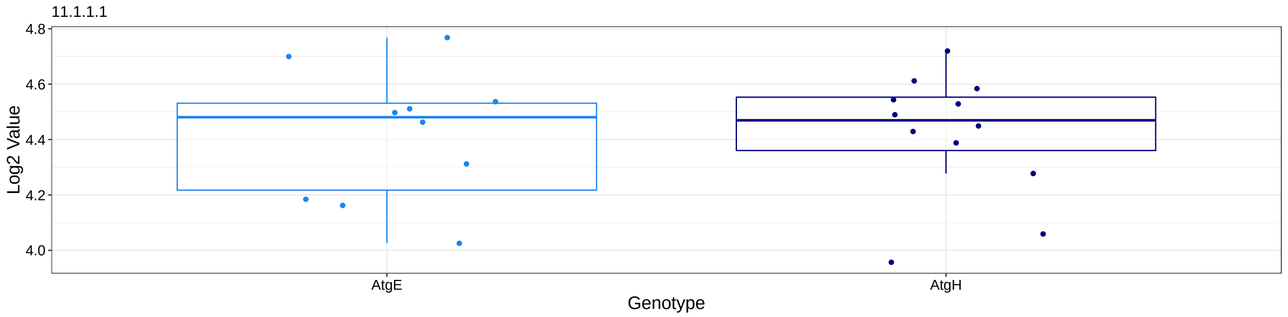

IL.17_StaphA
Log2 Value
Genotype
AtgE
AtgH

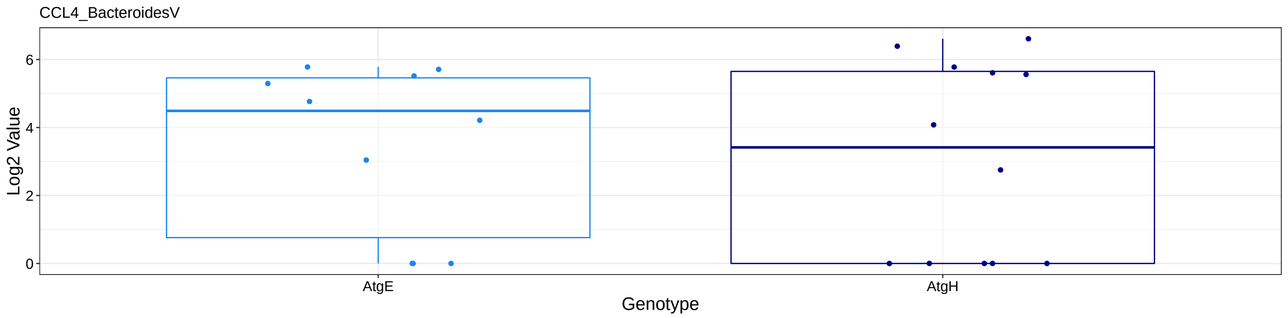

6.1.1.1.2
Log2 Value
Genotype
AtgE
AtgH

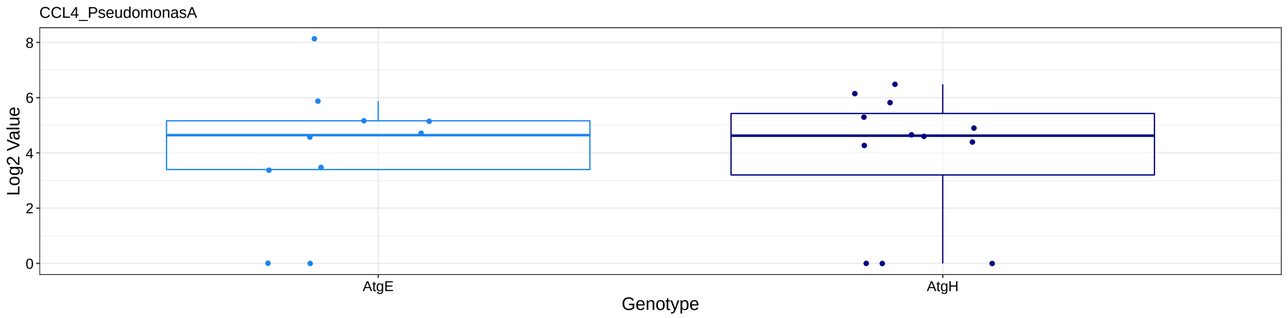

MLN_CD103_CD11c_MHCII_DC
CCL4_StaphA
IL.5_BacteroidesV
CCL4_PseudomonasA
TNF.a_CandidaA
CCL4_BacteroidesV
11.1.1.1
IL.17_StaphA

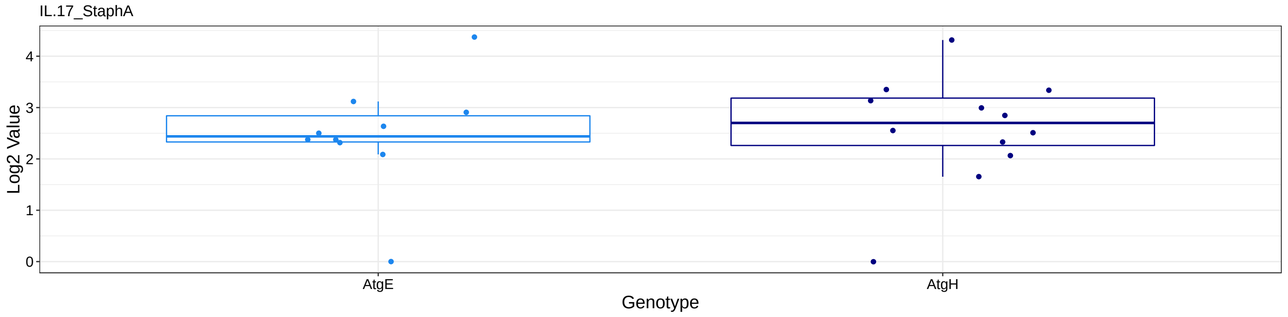

11.1.1.1
MLN_CD103_CD11c_MHCII_DC
CCL4_PseudomonasA
TNF.a_CandidaA
CCL4_BacteroidesV
IL.5_BacteroidesV
IL.17_StaphA
CCL4_StaphA
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

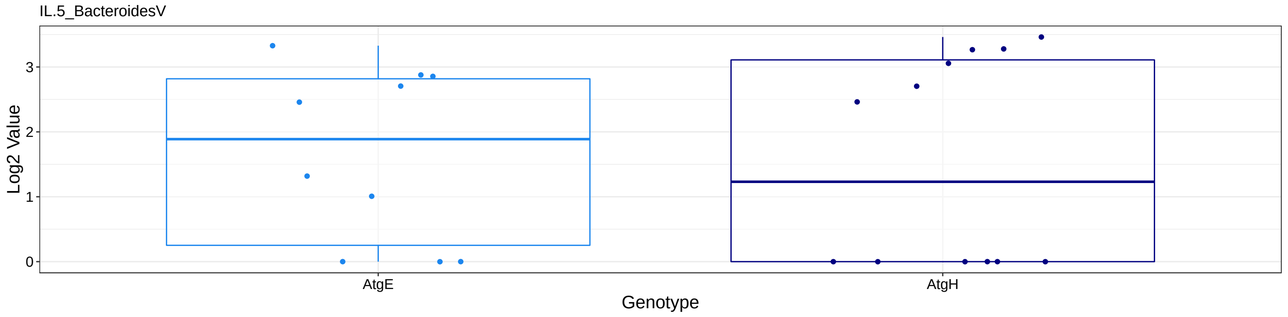

CCL4_StaphA
Log2 Value
AtgE
AtgH
Genotype

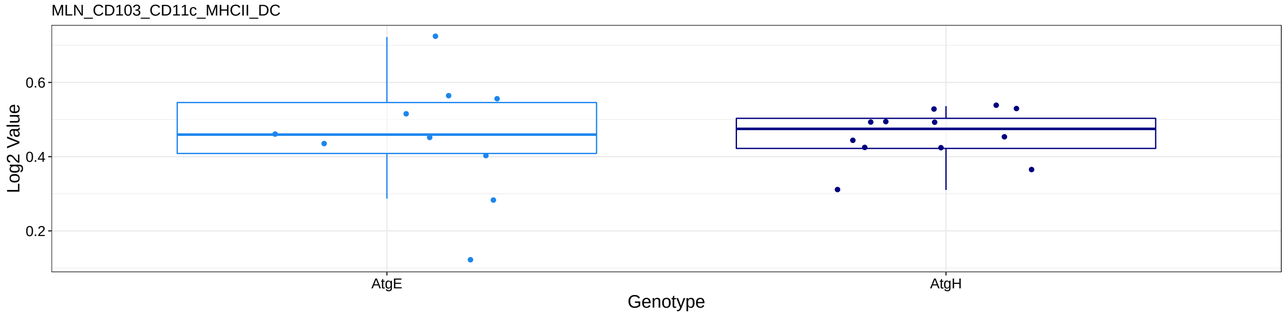

11.1.1.1
Log2 Value
AtgE
AtgH
Genotype

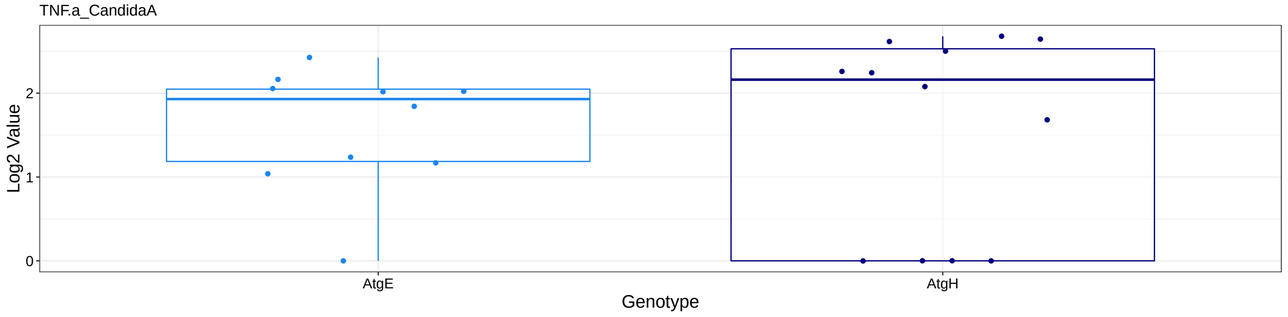

CCL4_BacteroidesV
Log2 Value
AtgE
AtgH
Genotype

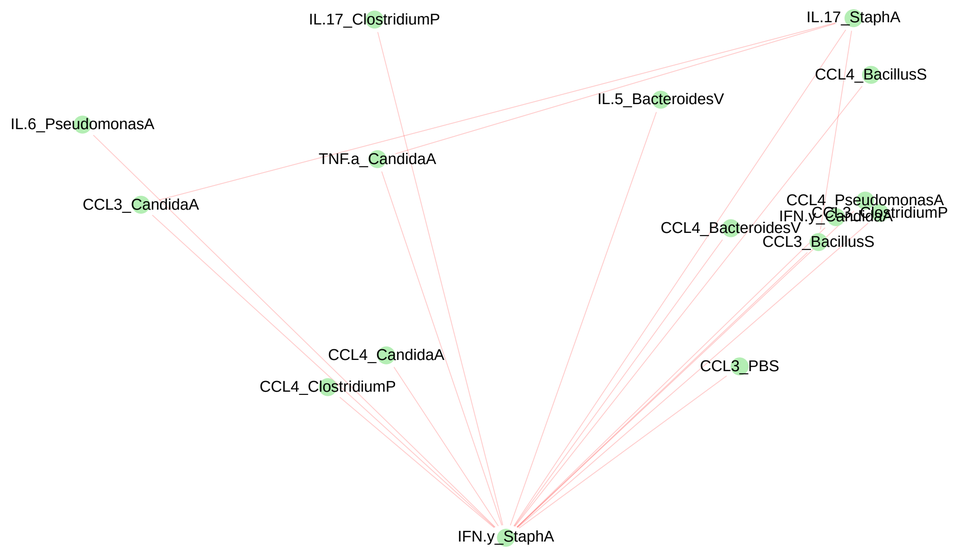

CCL4_PseudomonasA
Log2 Value
AtgE
AtgH
Genotype

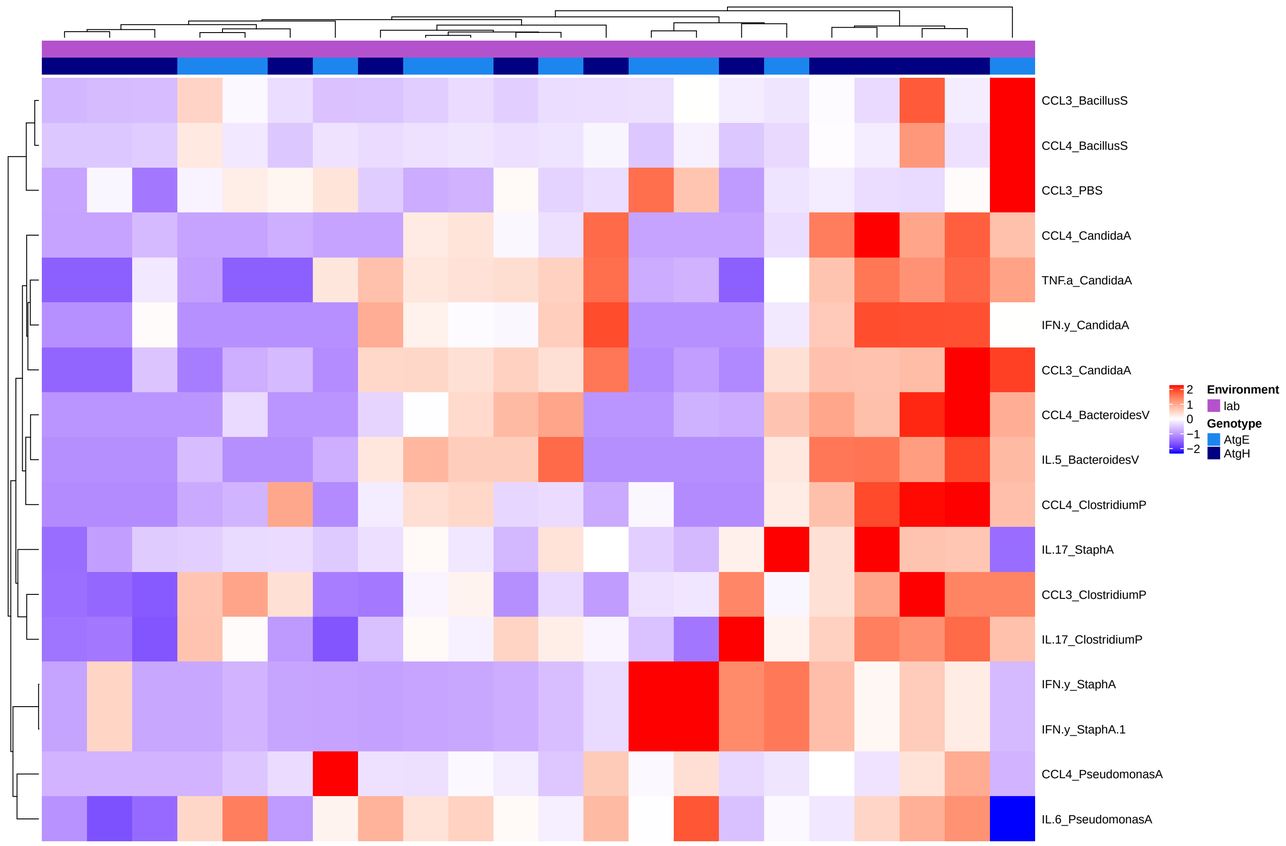

IL.17_StaphA
Log2 Value
AtgE
AtgH
Genotype

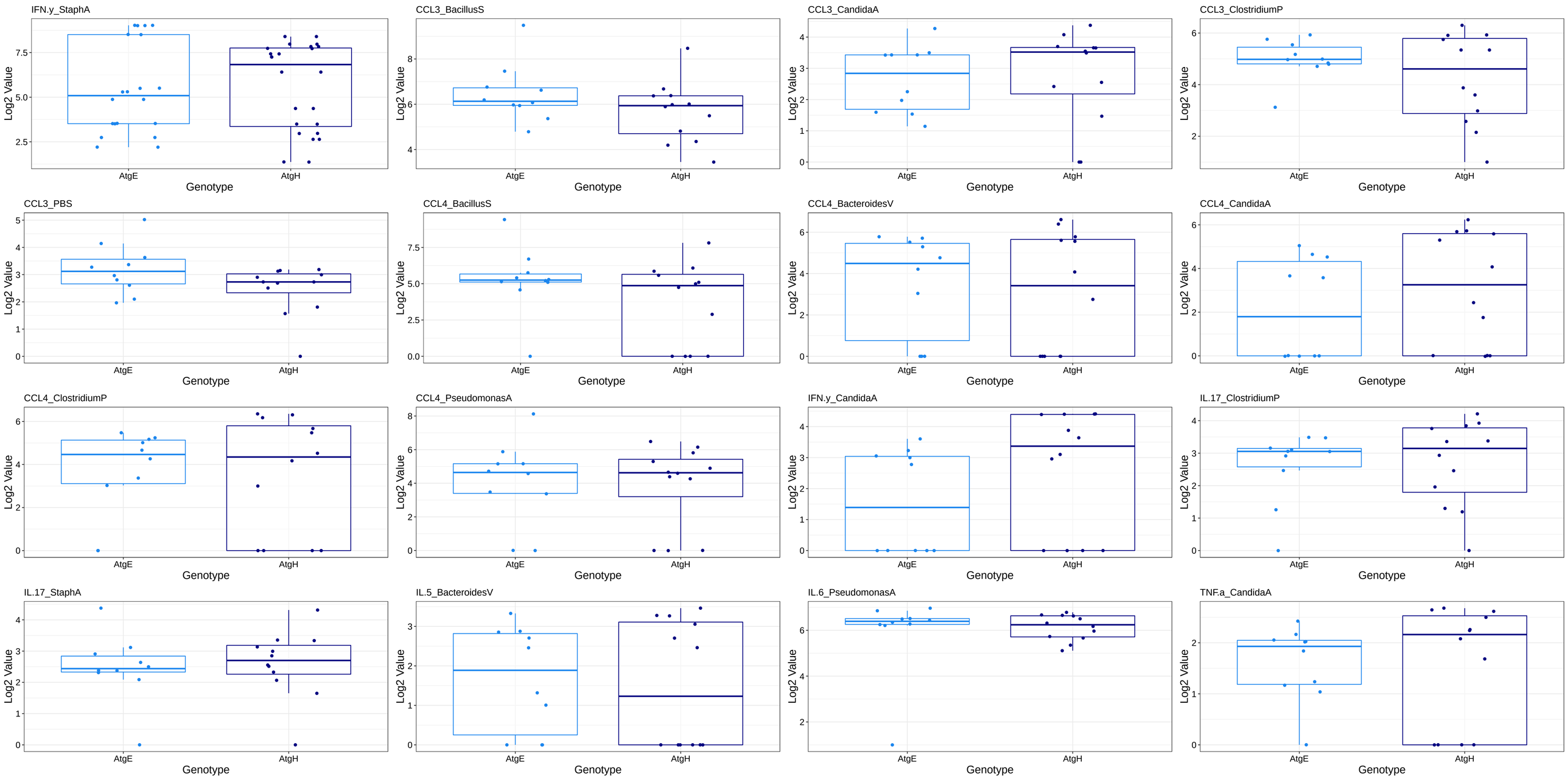

IL.5_BacteroidesV
Log2 Value
AtgE
AtgH
Genotype

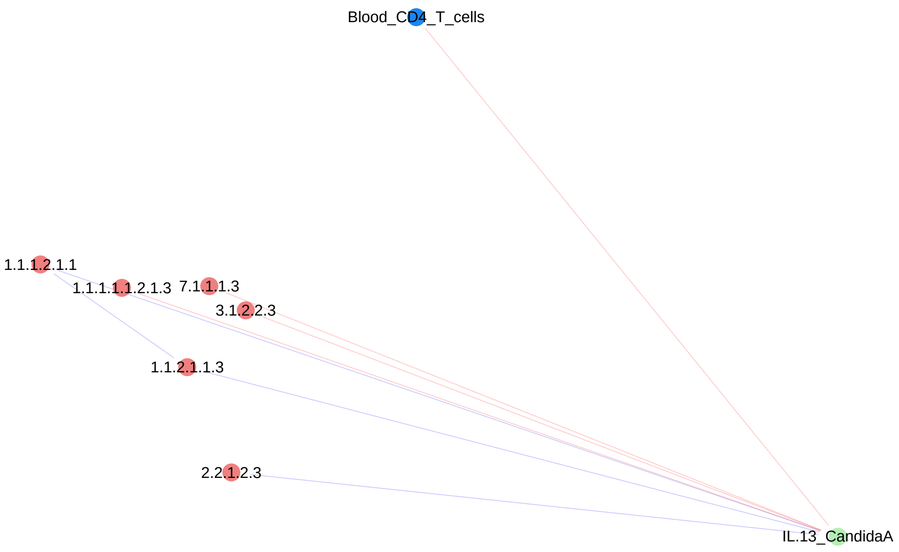

MLN_CD103_CD11c_MHCII_DC
Log2 Value
AtgE
AtgH
Genotype


TNF.a_CandidaA
Log2 Value
AtgE
AtgH
Genotype


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


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


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
AtgE
AtgH


Blood_CD4_T_cells
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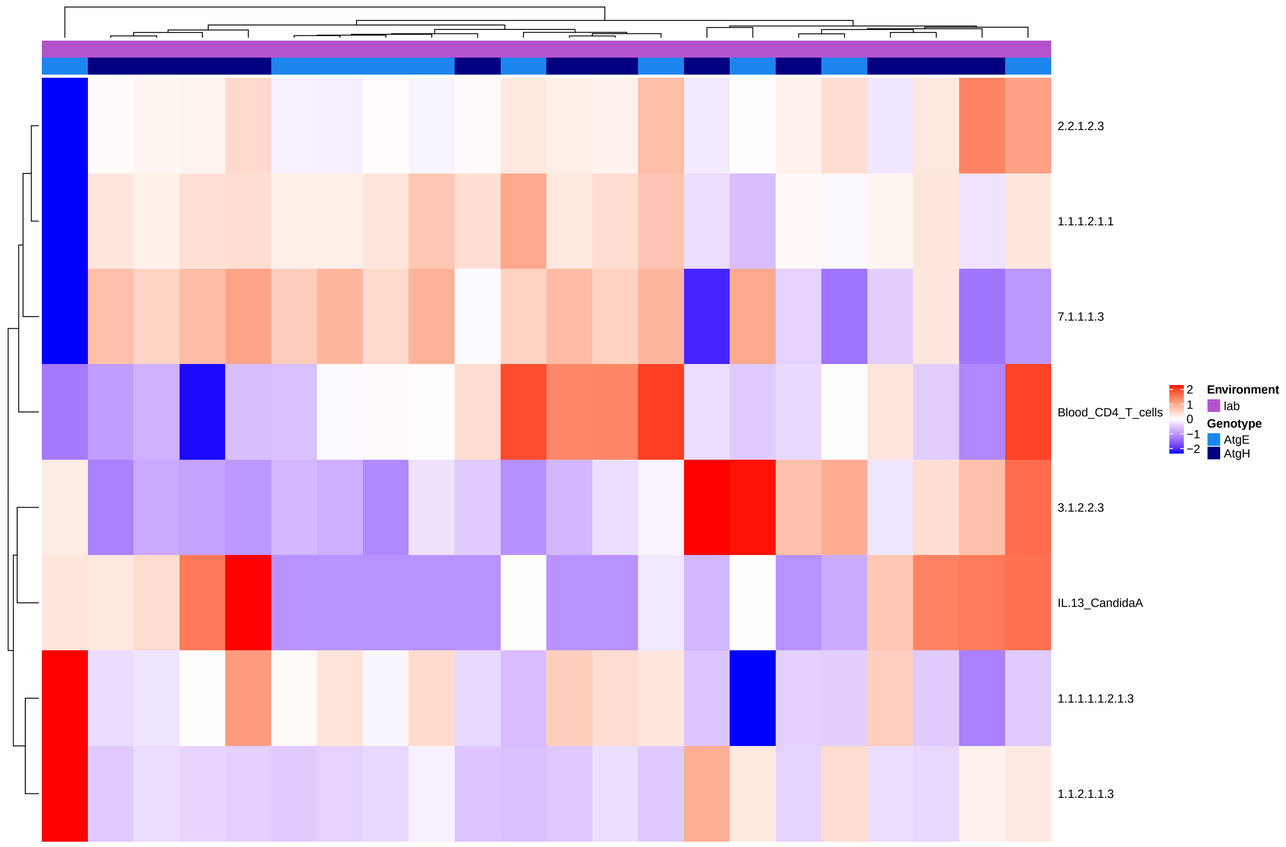
1.1.1.1.1.2.1.3
7.1.1.1.3
3.1.2.2.3
1.1.2.1.1.3
2.2.1.2.3
IL.13_CandidaA


2.2.1.2.3
1.1.1.2.1.1
7.1.1.1.3
Blood_CD4_T_cells
3.1.2.2.3
IL.13_CandidaA
1.1.1.1.1.2.1.3
1.1.2.1.1.3
Environment
lab
Genotype
AtgE
AtgH
2
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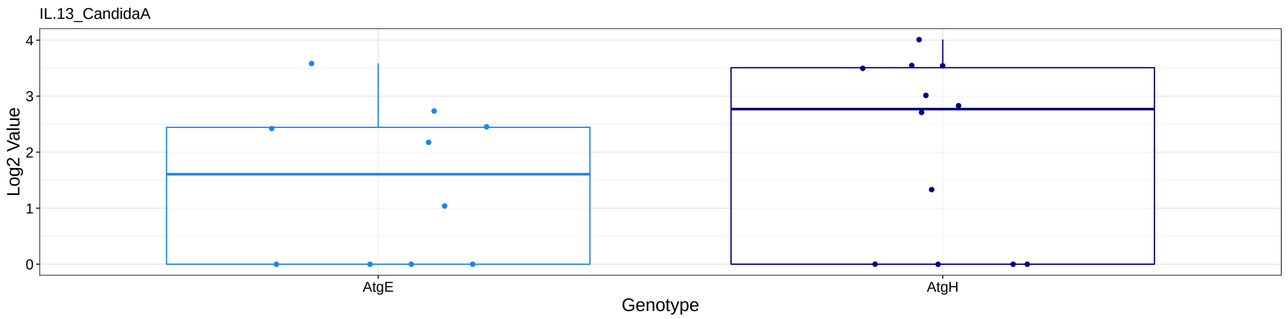
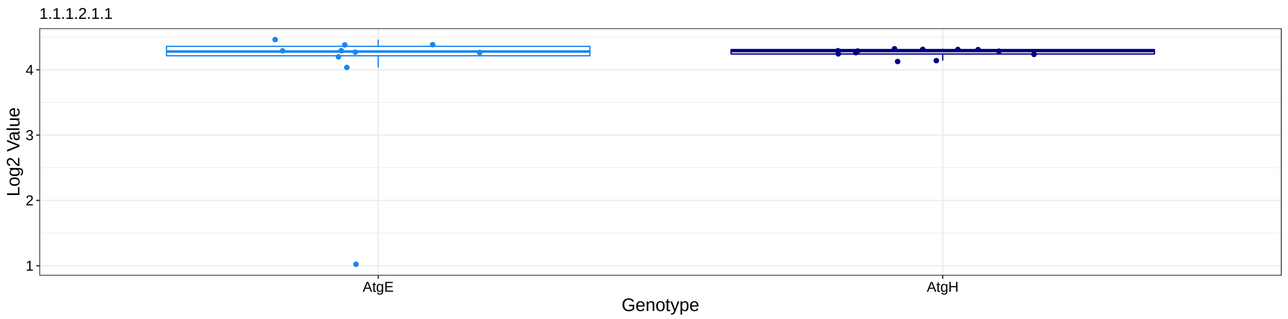
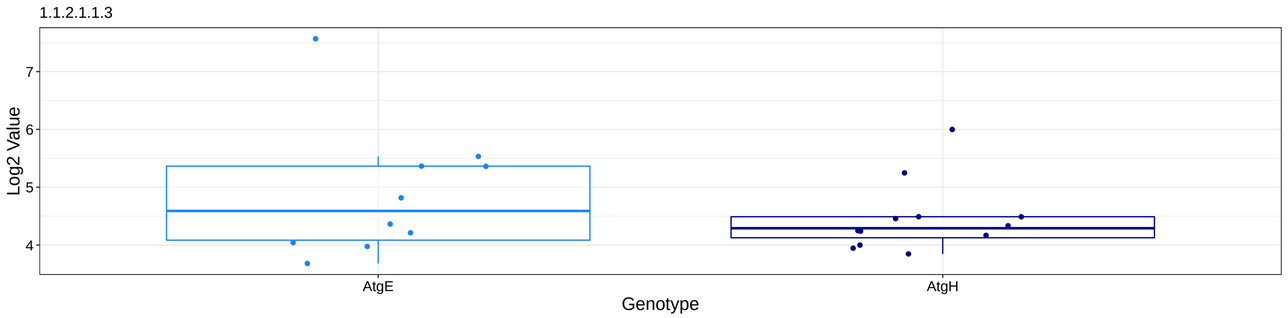
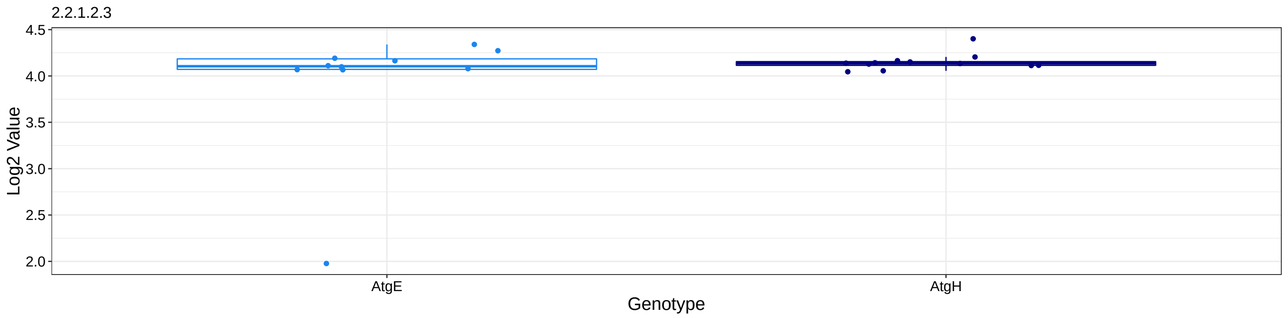
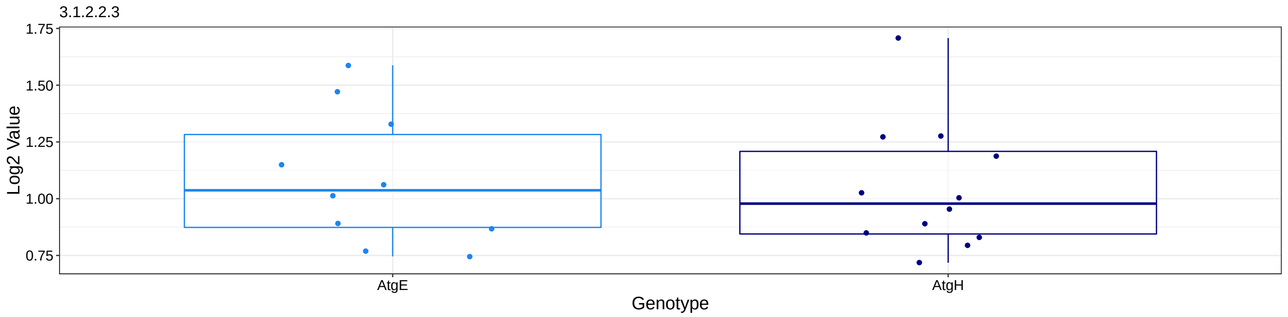
0
−1
−2

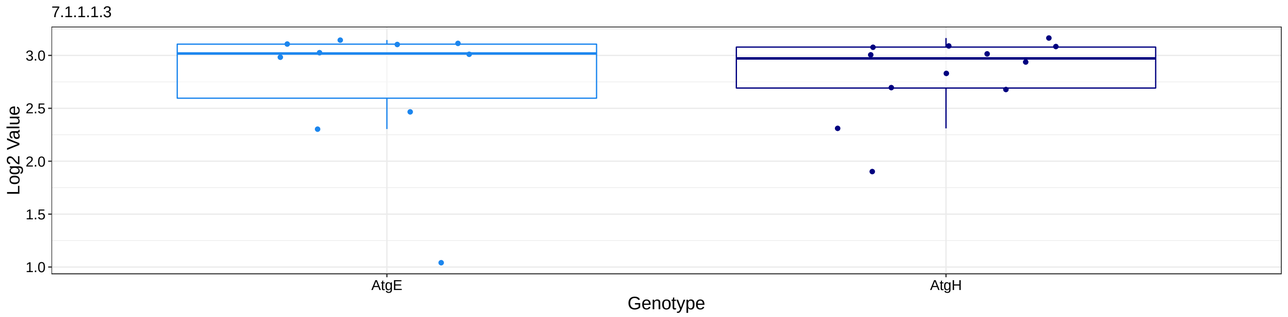

IL.13_CandidaA
Log2 Value
Genotype
AtgE
AtgH


1.1.1.2.1.1
Log2 Value
Genotype
AtgE
AtgH


1.1.2.1.1.3
Log2 Value
Genotype
AtgE
AtgH


2.2.1.2.3
Log2 Value
Genotype
AtgE
AtgH


3.1.2.2.3
Log2 Value
Genotype
AtgE
AtgH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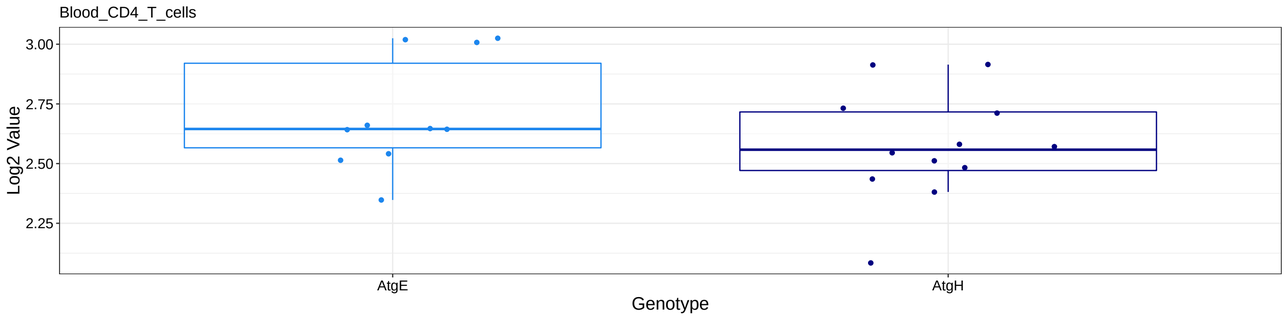
Blood_CD4_T_cells
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Genotype
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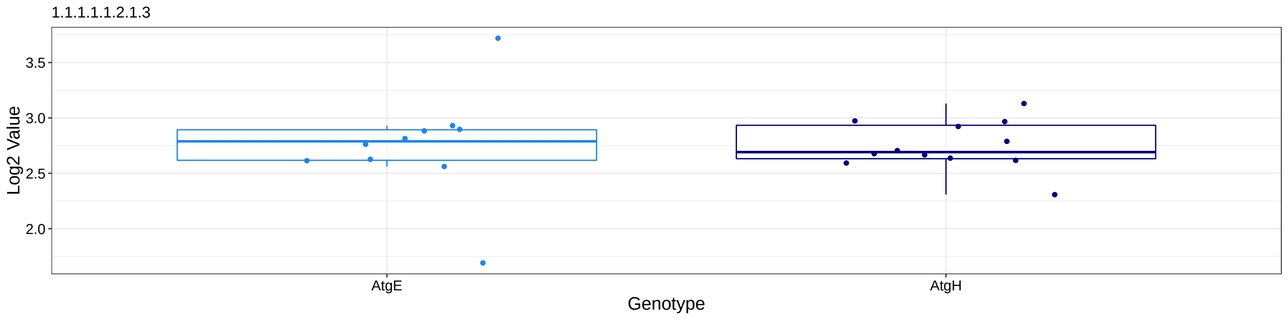
AtgH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Genotype
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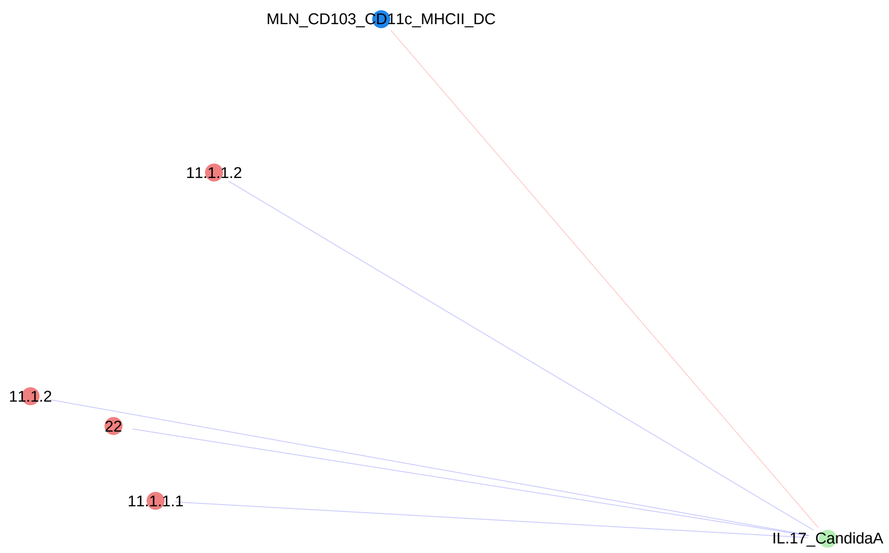
AtgH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11.1.2
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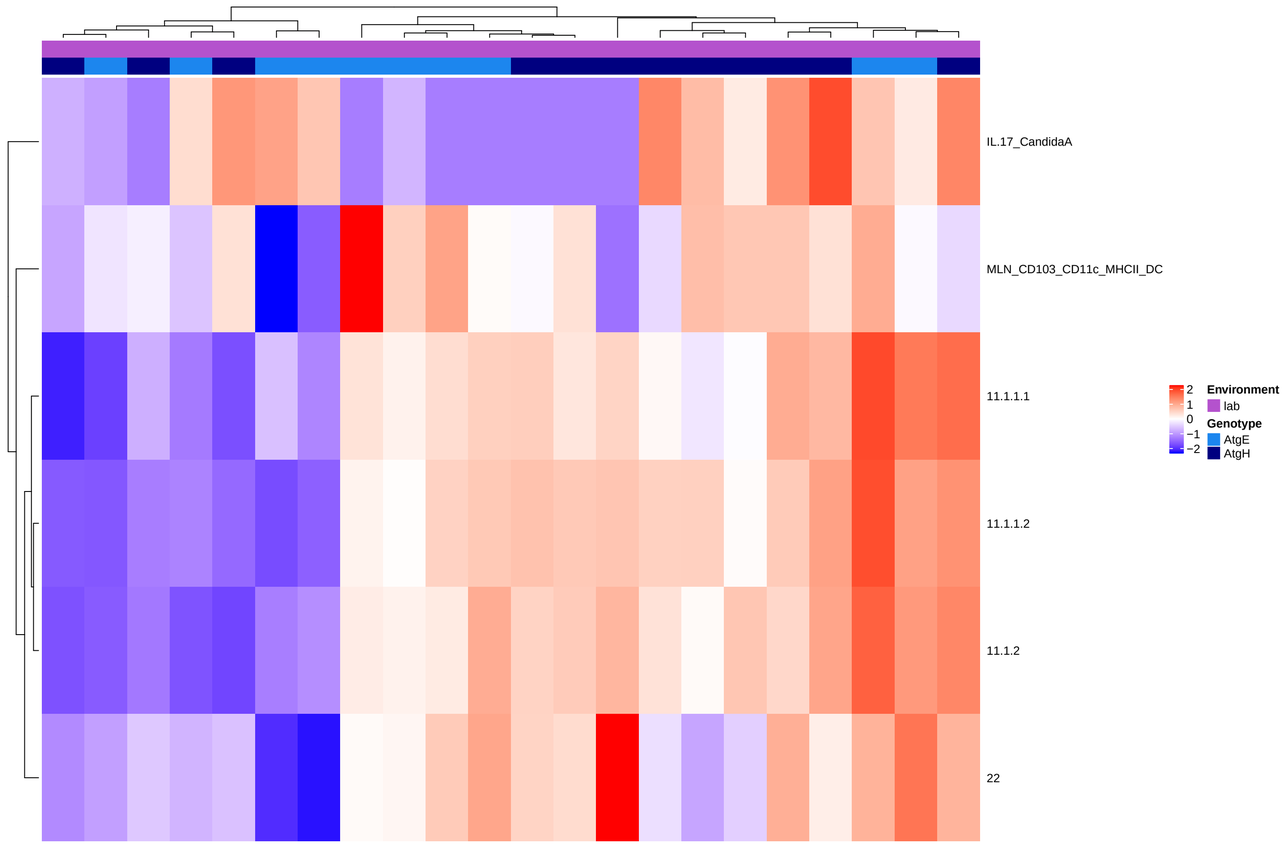
11.1.1.1
IL.17_CandidaA


IL.17_CandidaA
MLN_CD103_CD11c_MHCII_DC
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11.1.1.2
11.1.2
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Environment
lab
Genotype
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AtgH
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0
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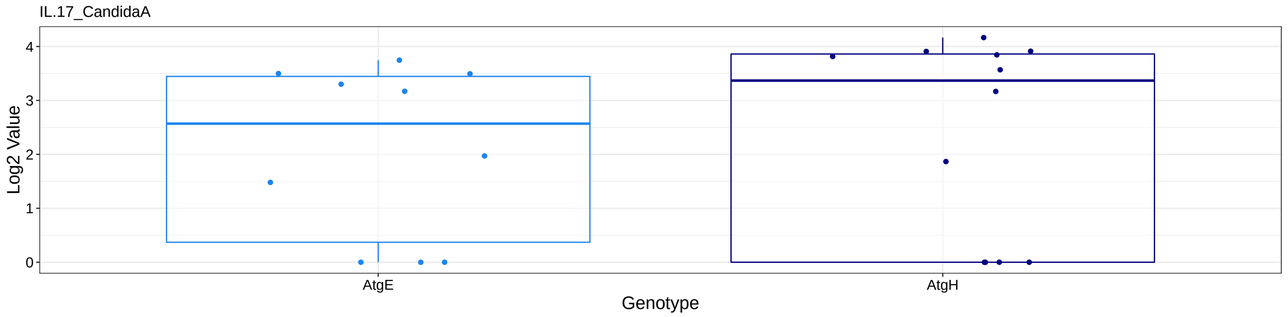
−2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Genotype
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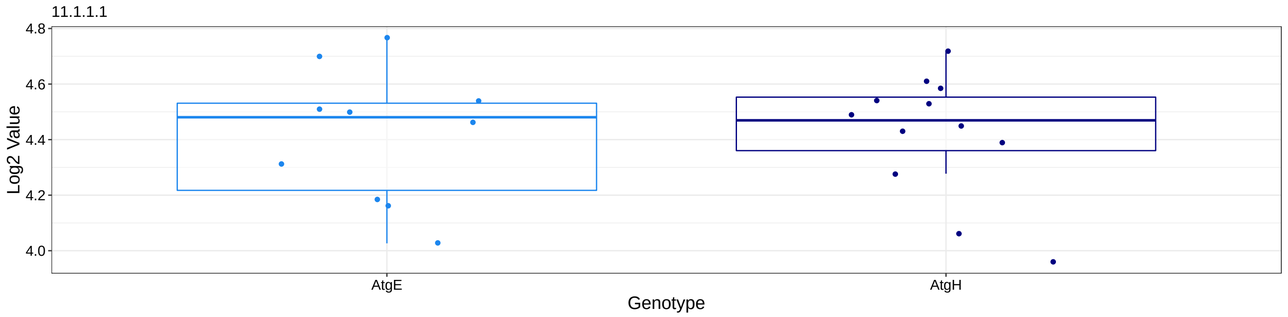
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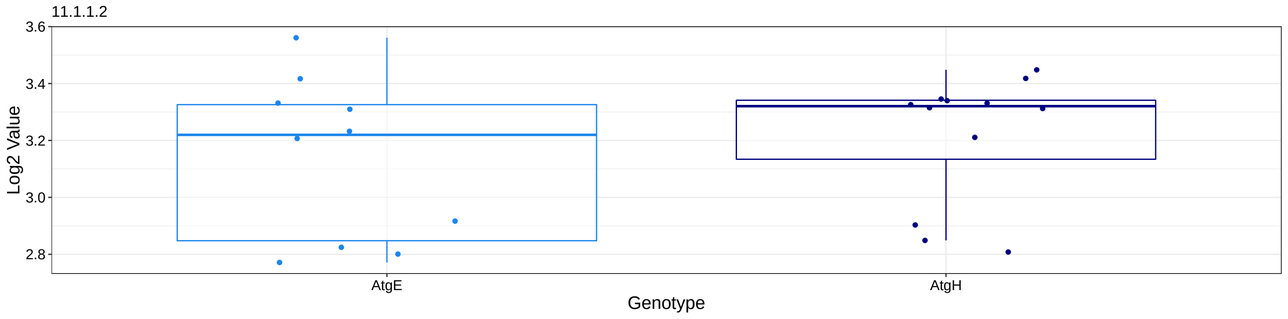
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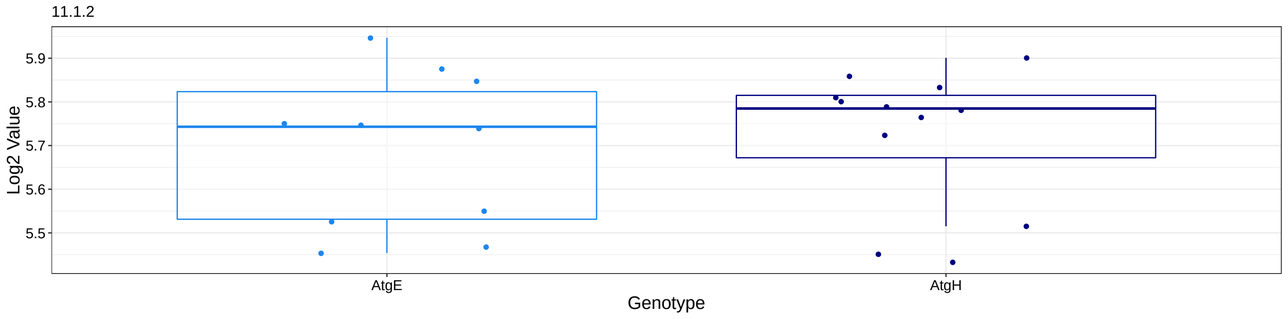
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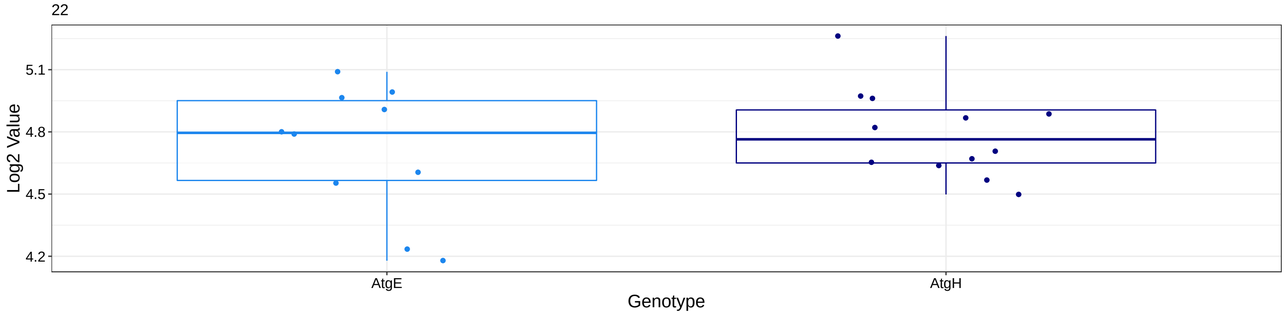
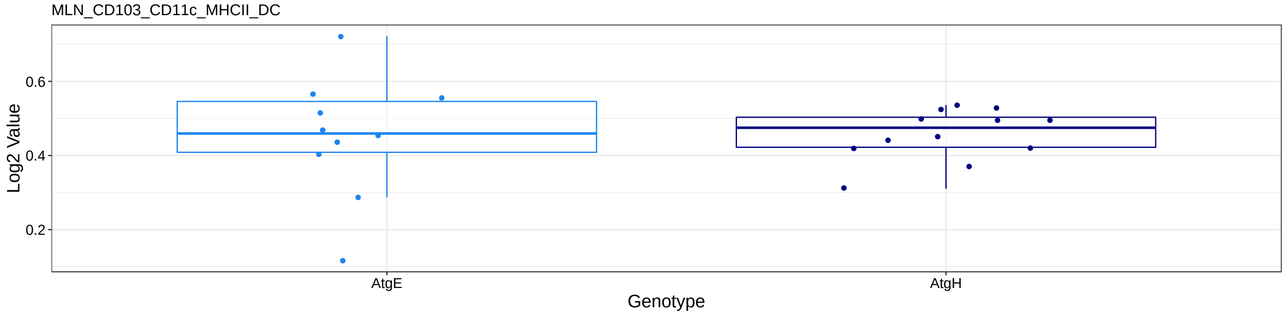
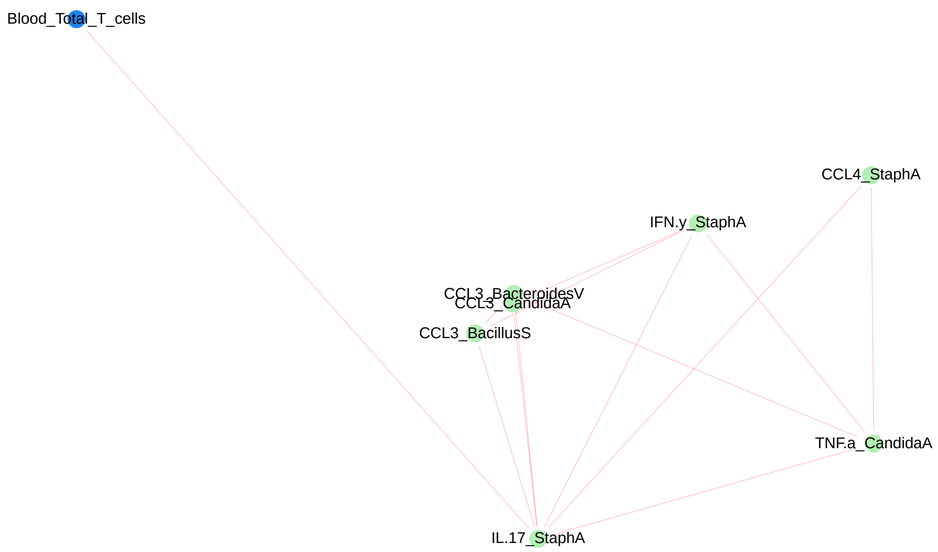
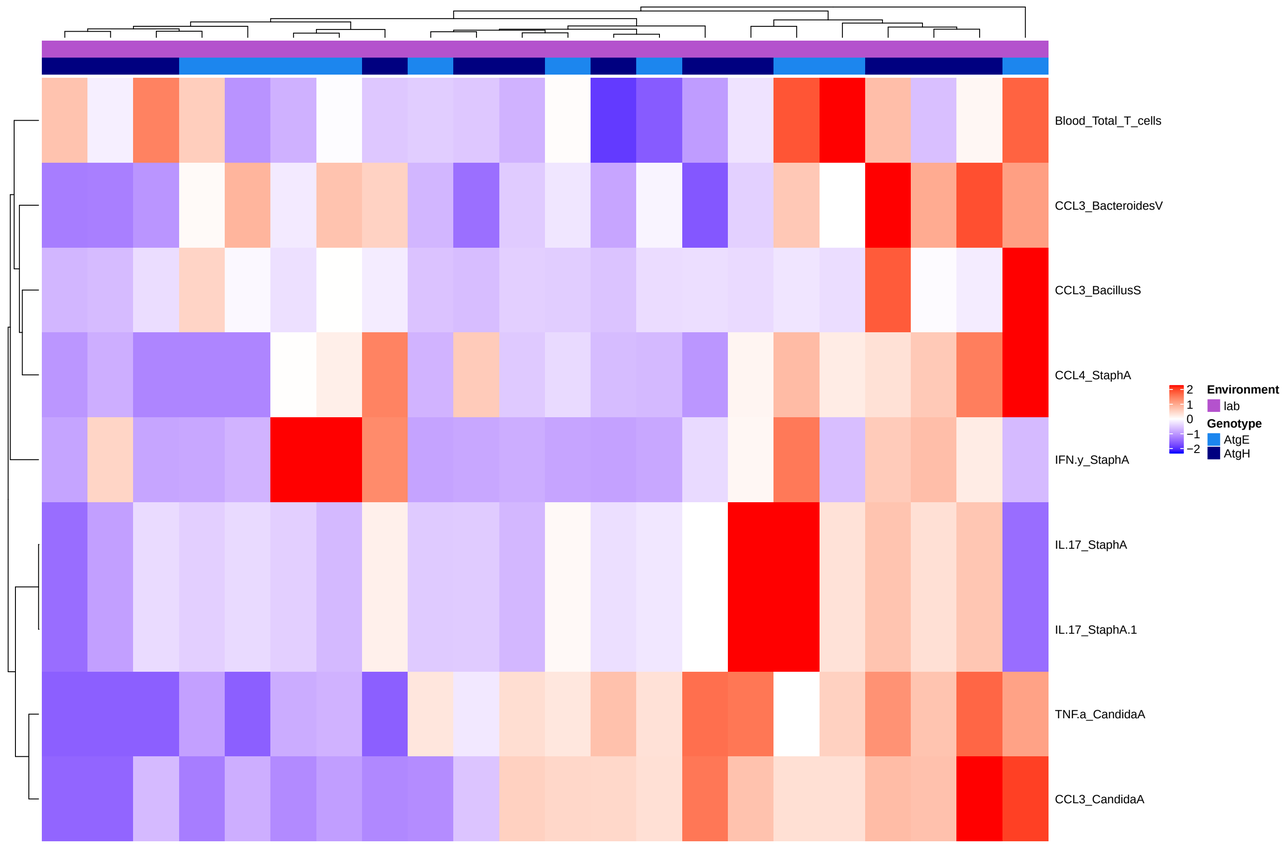
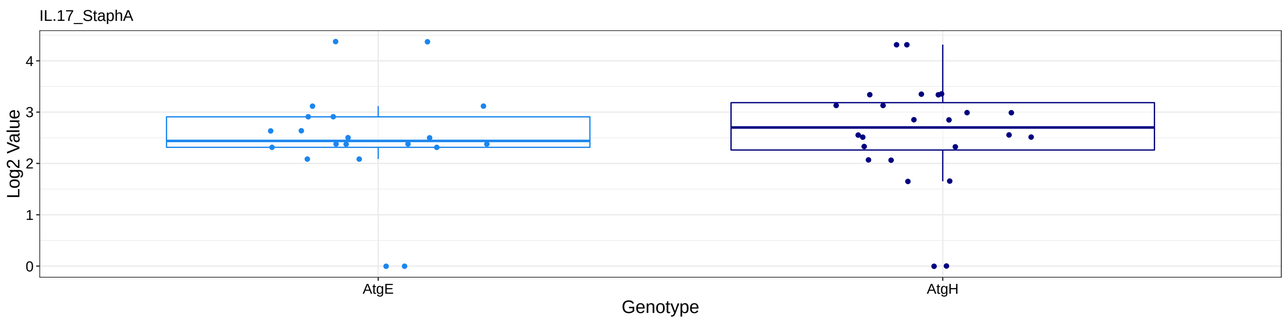

22
Log2 Value
Genotype
AtgE
AtgH


MLN_CD103_CD11c_MHCII_DC
Log2 Value
Genotype
AtgE
AtgH


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


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


IL.17_StaphA
Log2 Value
Genotype
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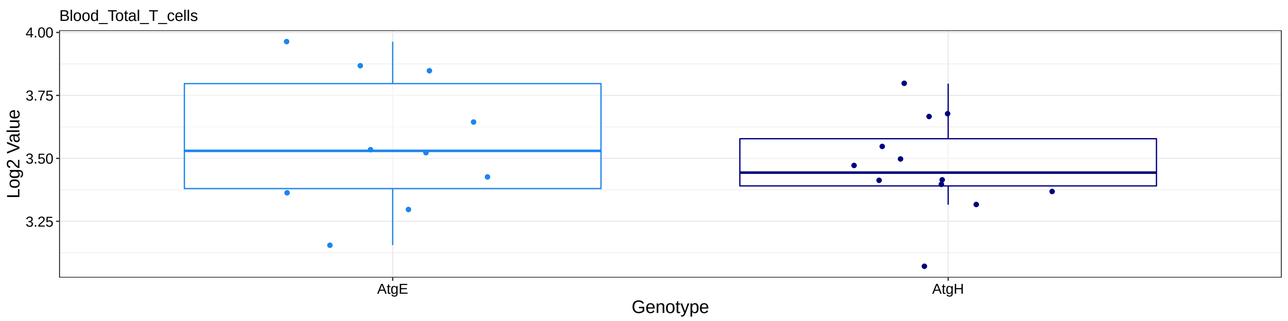
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Log2 Value
Genotype
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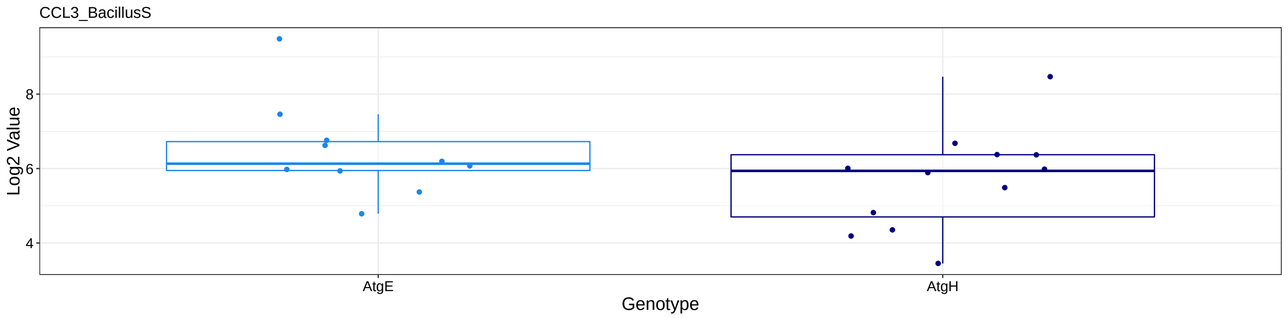
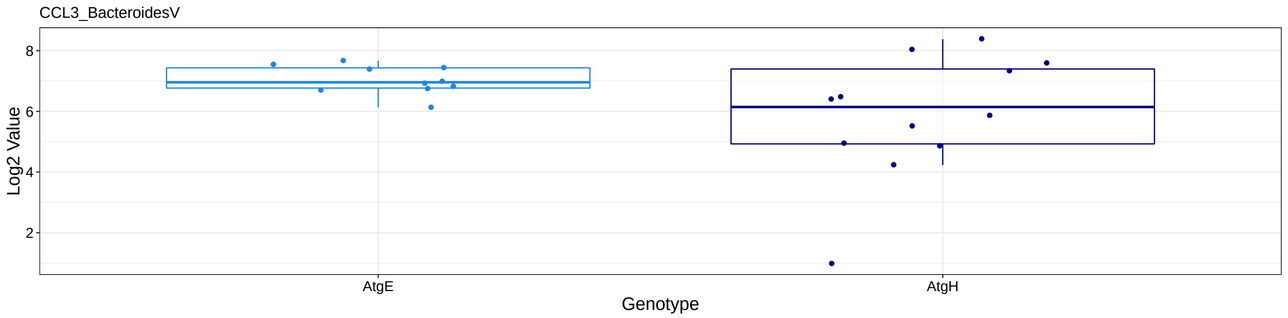
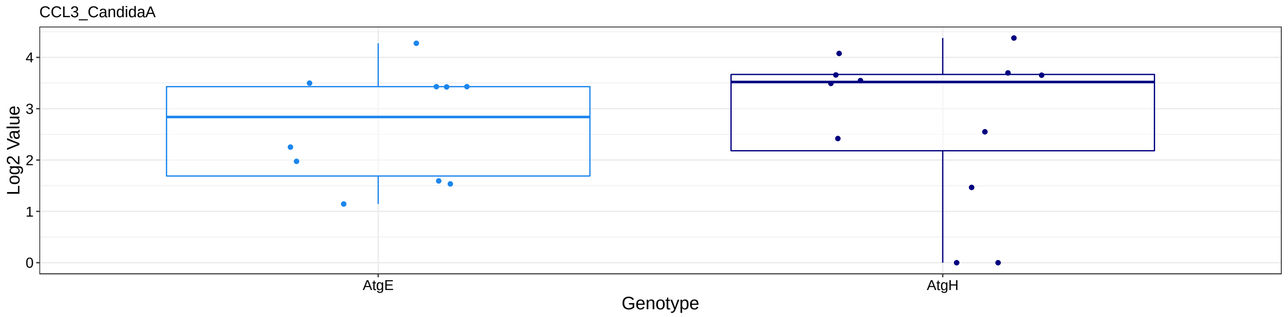

CCL3_BacillusS
Log2 Value
Genotype
AtgE
AtgH


CCL3_BacteroidesV
Log2 Value
Genotype
AtgE
AtgH


CCL3_CandidaA
Log2 Value
Genotype
AtgE
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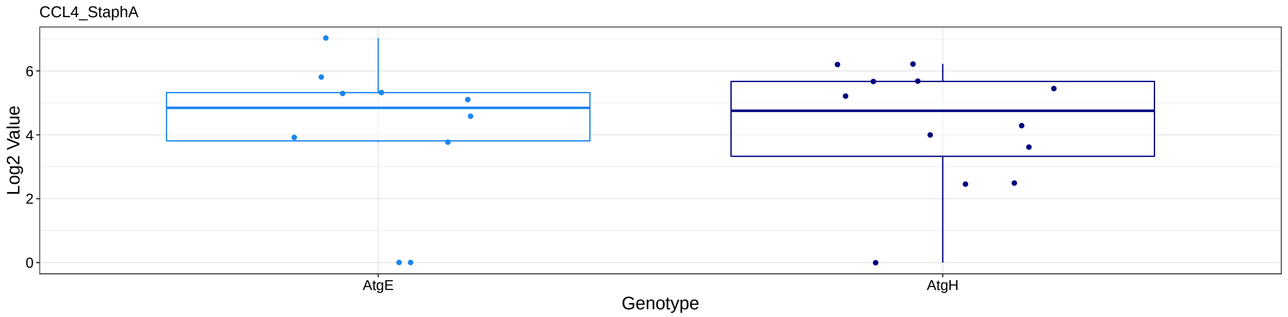
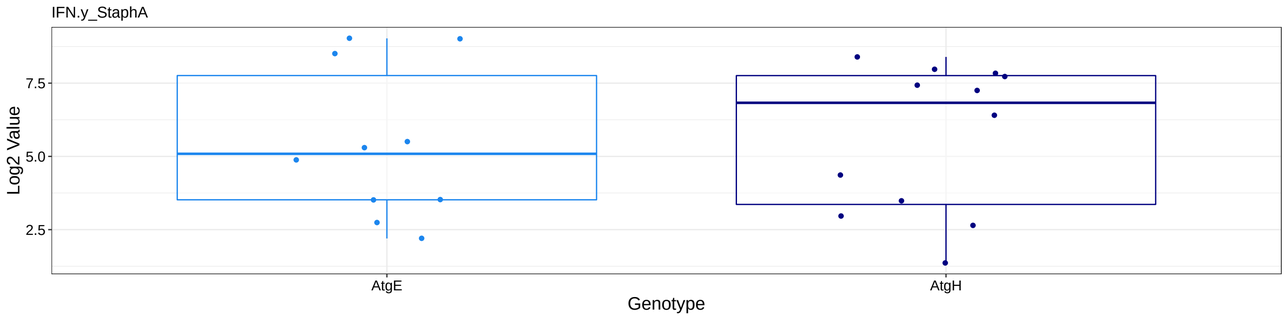
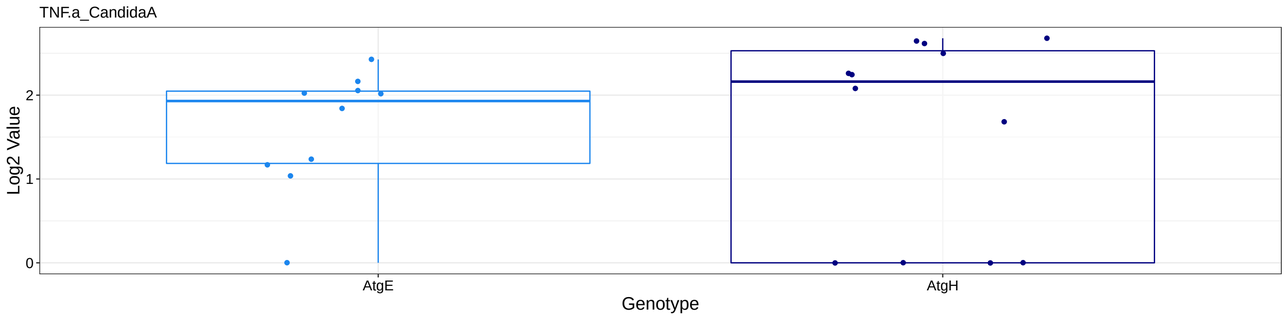
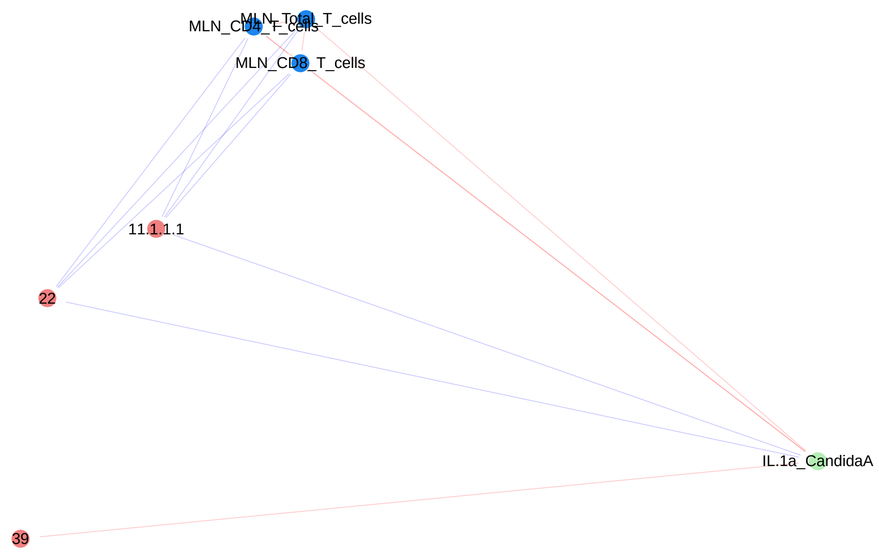
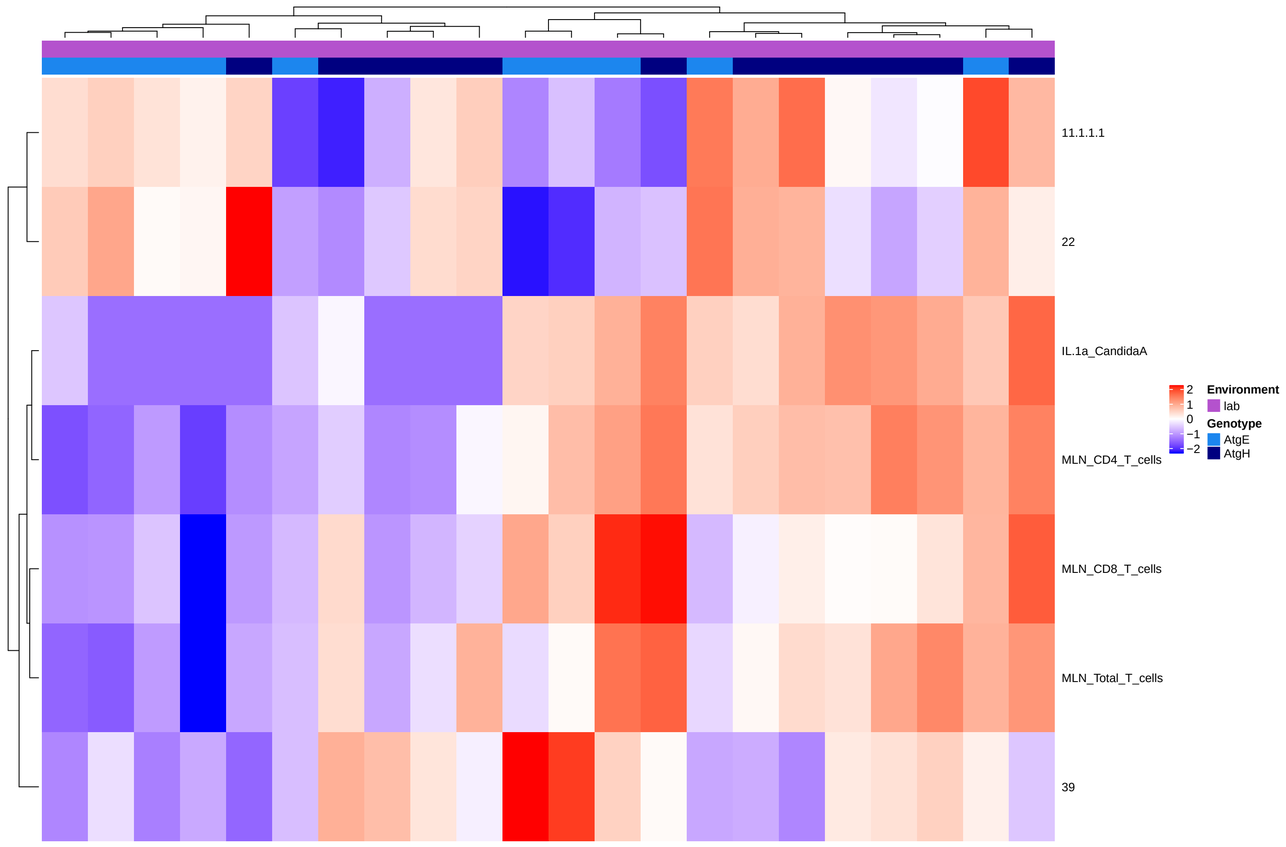

CCL4_StaphA
Log2 Value
Genotype
AtgE
AtgH


IFN.y_StaphA
Log2 Value
Genotype
AtgE
AtgH


TNF.a_CandidaA
Log2 Value
Genotype
AtgE
AtgH


MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
11.1.1.1
22
IL.1a_CandidaA
39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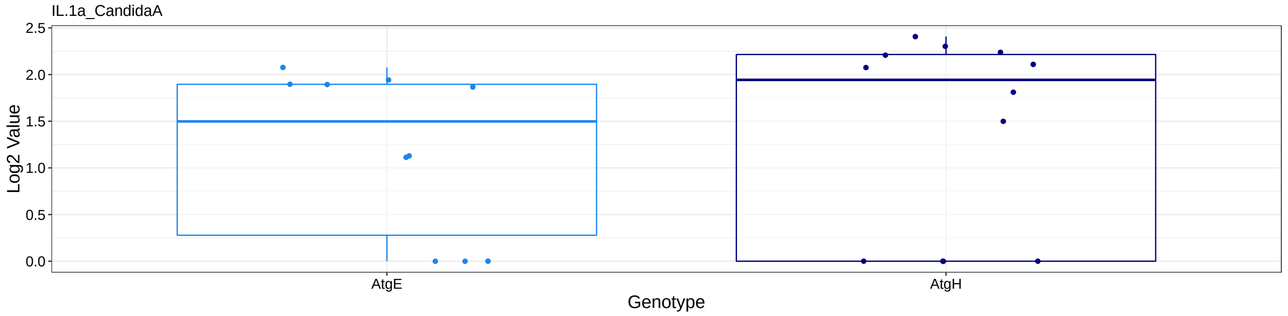
IL.1a_CandidaA
MLN_CD4_T_cells
MLN_CD8_T_cells
MLN_Total_T_cells
39
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2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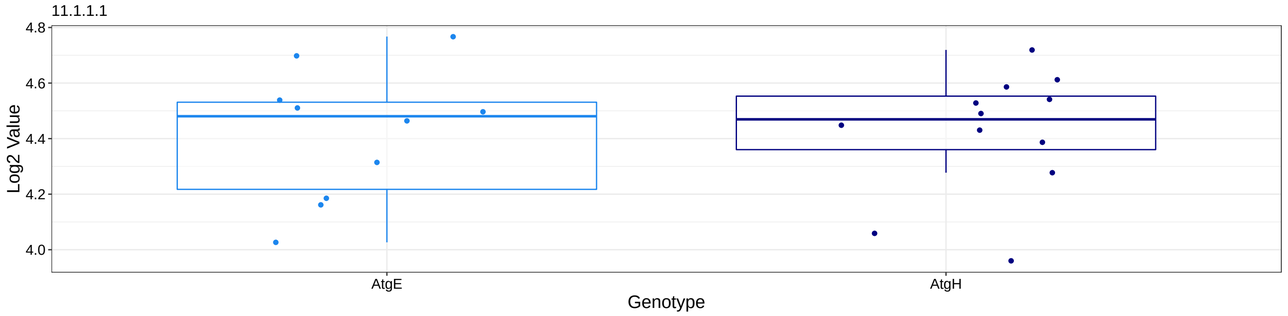
1.5
1.0
0.5
0.0
AtgE
AtgH
Genotype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Log2 Value
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4.6
4.4
4.2
4.0
AtgE
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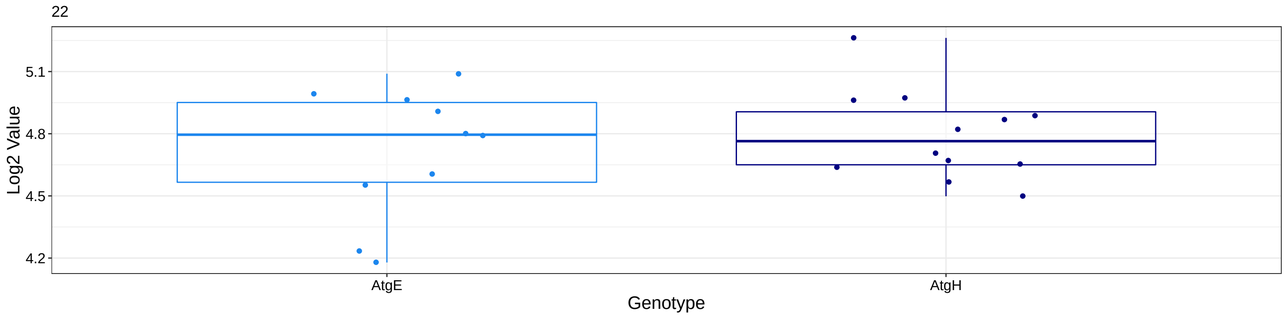
Genotype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4.5
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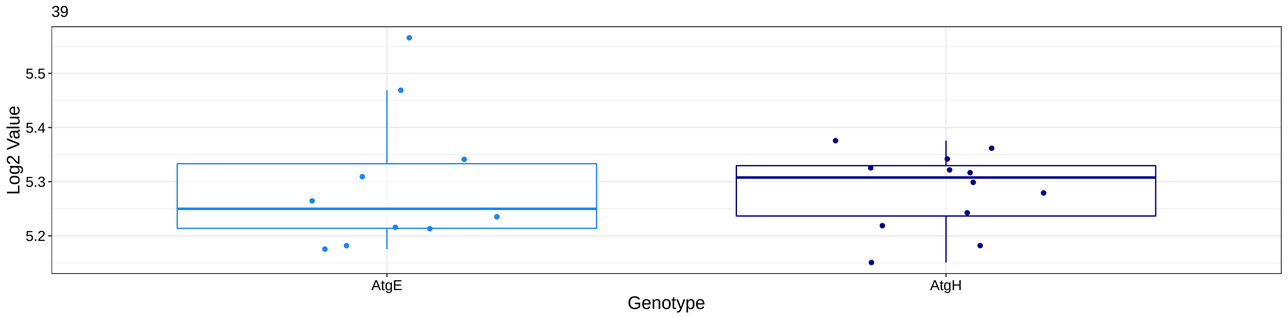
Genotype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5.3
5.2
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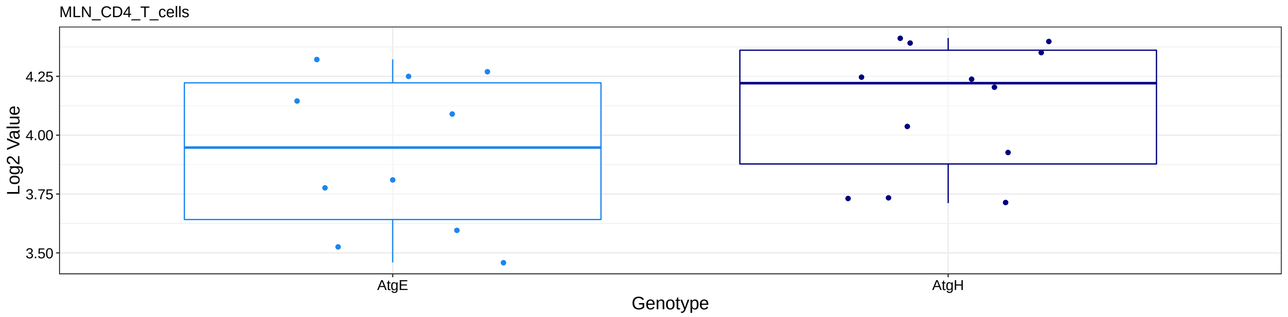
Genotype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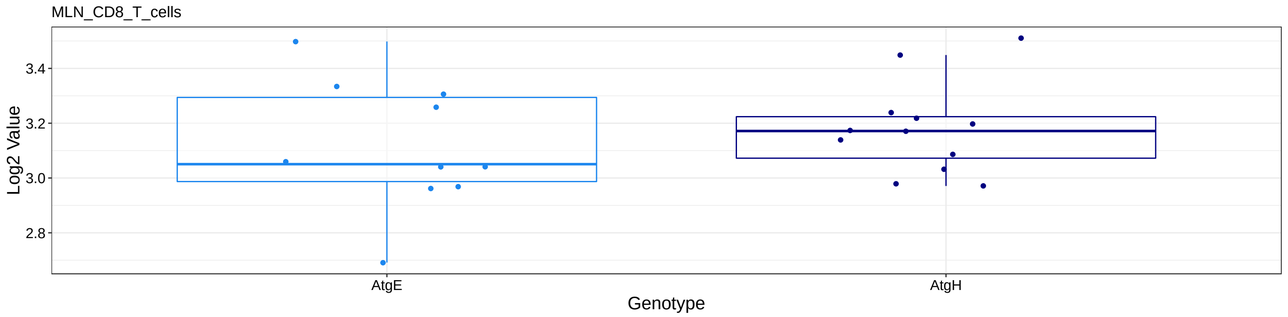
AtgE
AtgH
Genotype


MLN_CD8_T_cells
Log2 Value
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3.0
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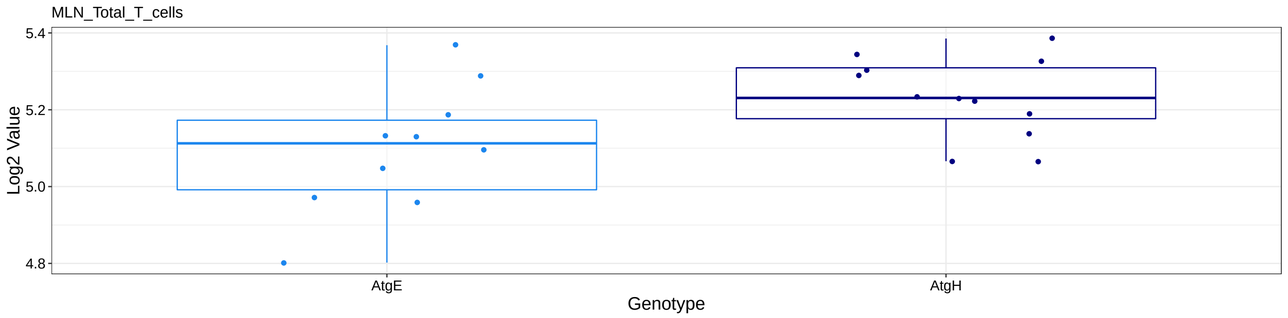
AtgE
AtgH
Genotype


MLN_Total_T_cells
Log2 Value
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5.0
4.8
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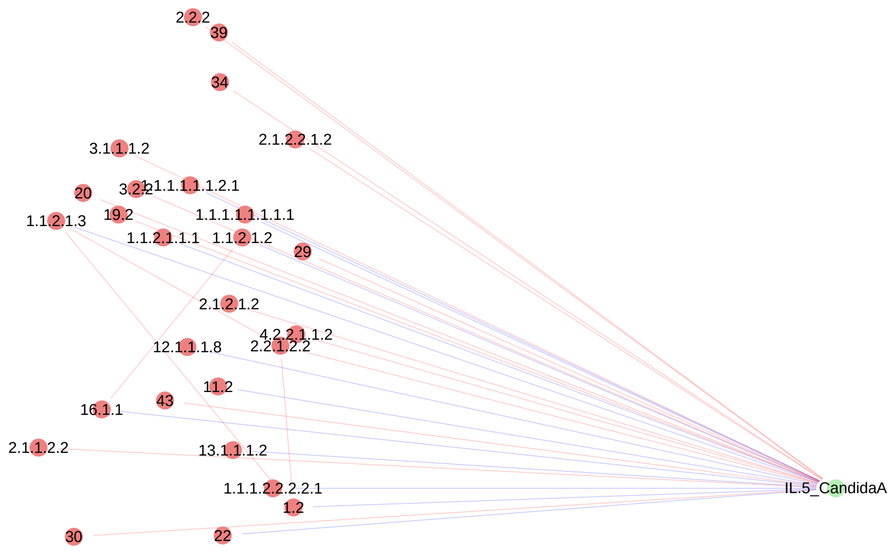
AtgH
Genotype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19.2
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1.1.2.1.2
29
2.1.2.1.2
4.2.2.1.1.2
12.1.1.1.8
2.2.1.2.2
11.2
43
16.1.1
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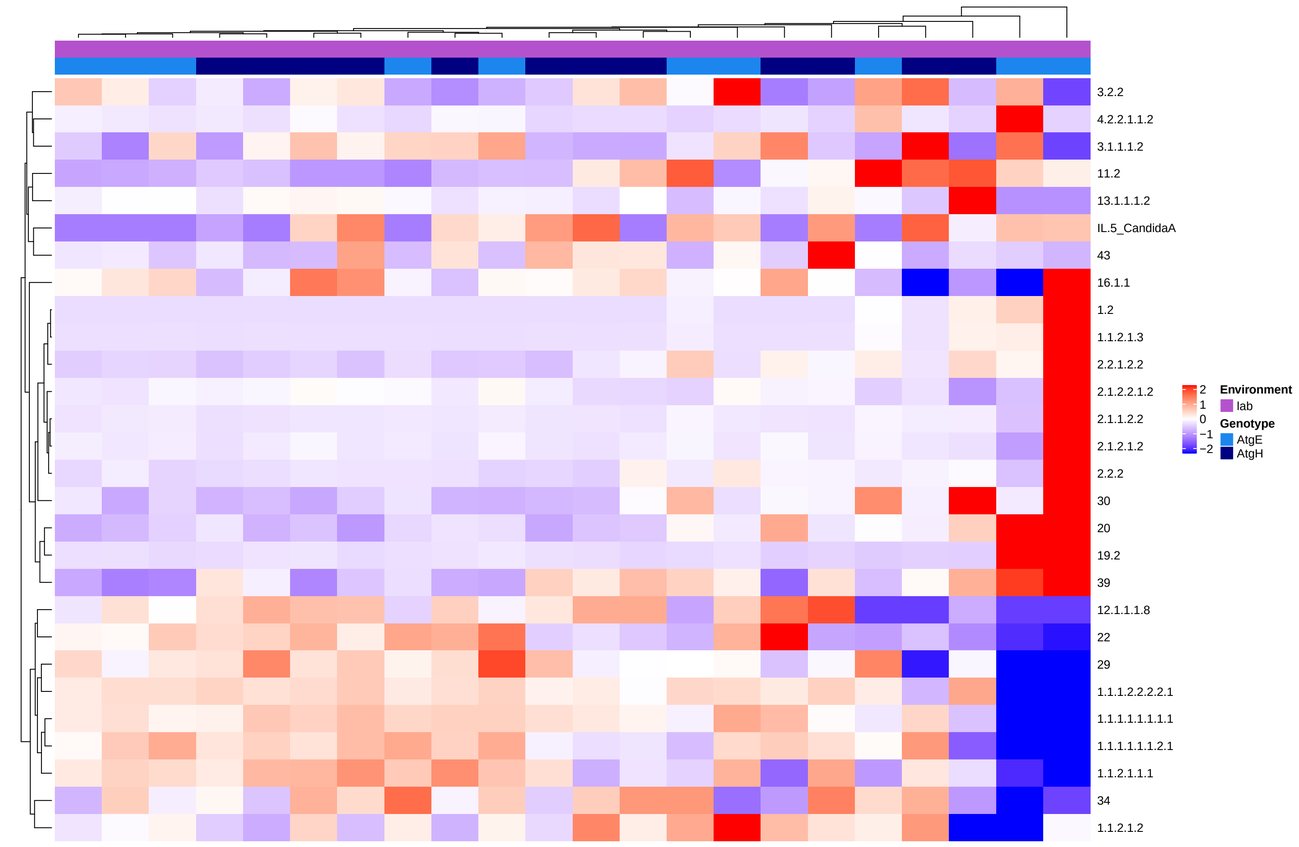
IL.5_CandidaA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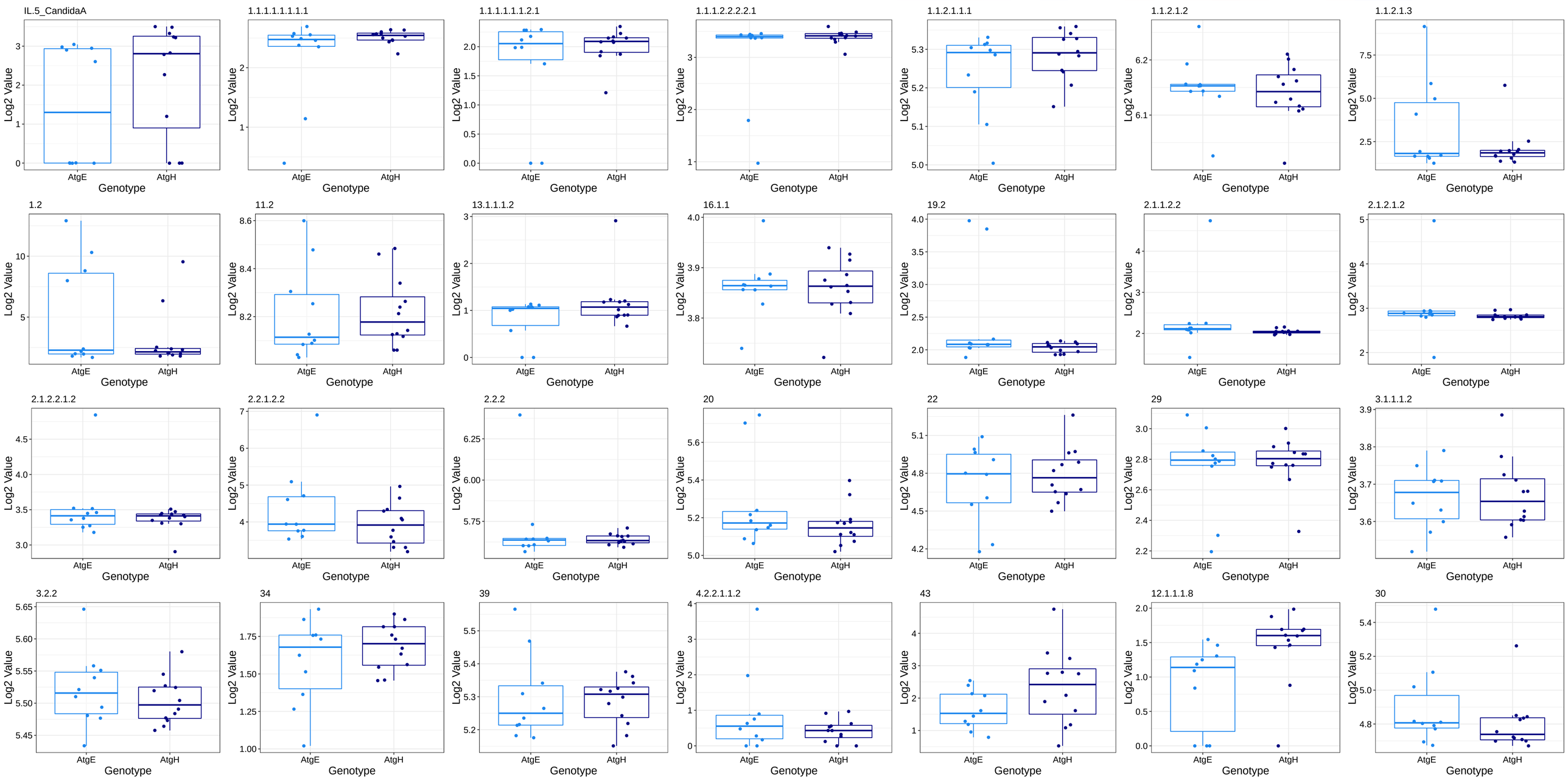
Environment
lab
Genotype
AtgE
AtgH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22
29
3.1.1.1.2
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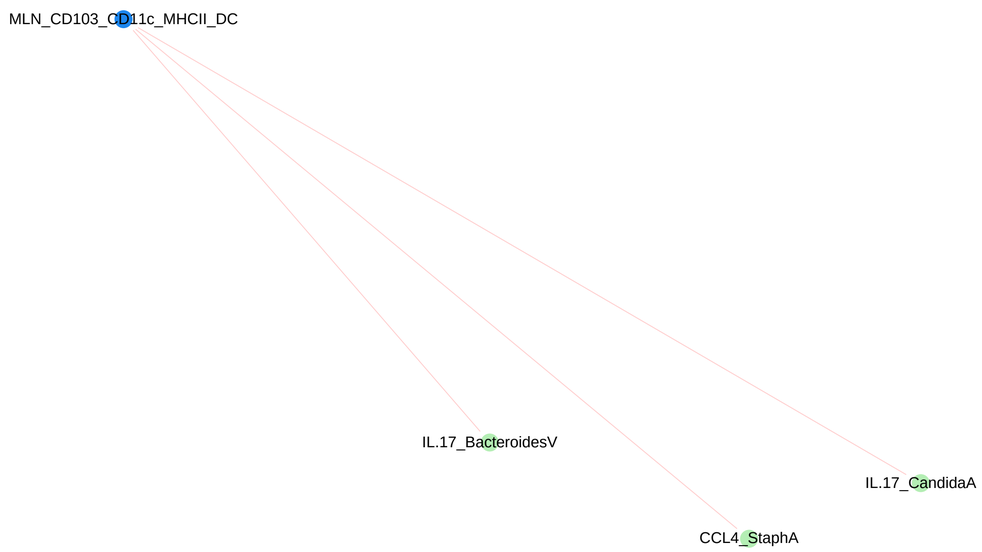
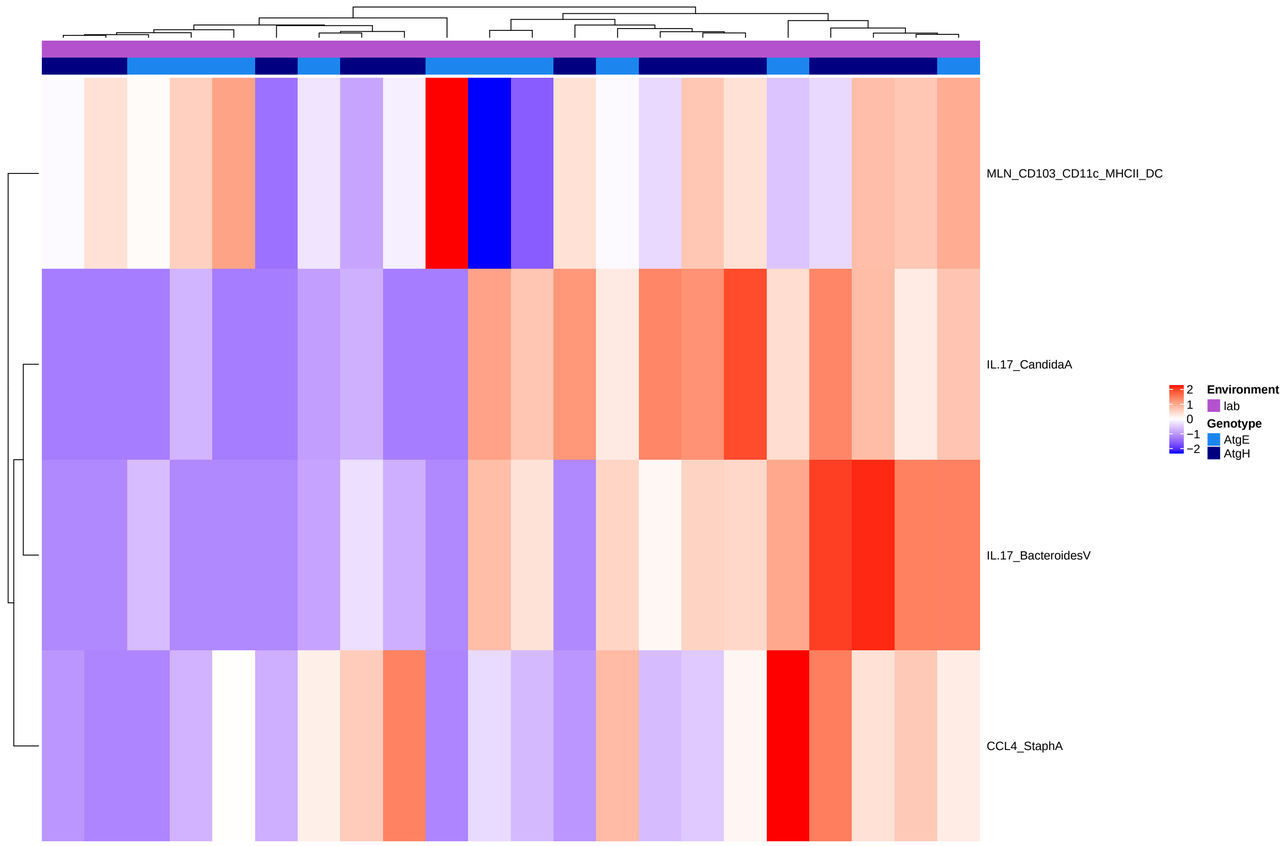
4.2.2.1.1.2
43
12.1.1.1.8
30
Log2 Value
Genotype
AtgE
AtgH


MLN_CD103_CD11c_MHCII_DC
IL.17_BacteroidesV
IL.17_CandidaA
CCL4_StaphA


MLN_CD103_CD11c_MHCII_DC
IL.17_CandidaA
IL.17_BacteroidesV
CCL4_StaphA
Environment
lab
Genotype
AtgE
AtgH
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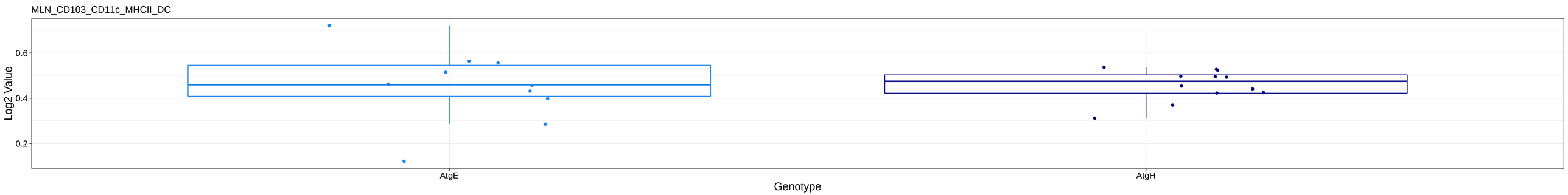
0
−1
−2


MLN_CD103_CD11c_MHCII_DC
Log2 Value
0.6
0.4
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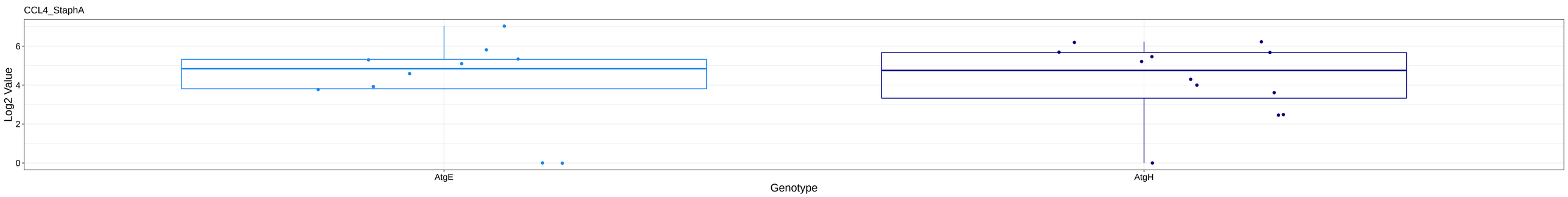
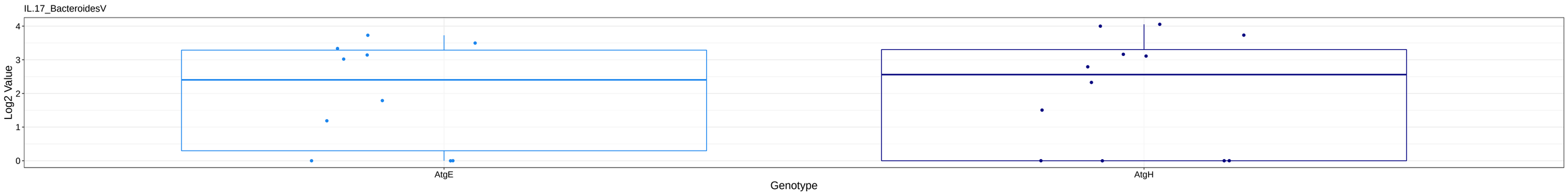
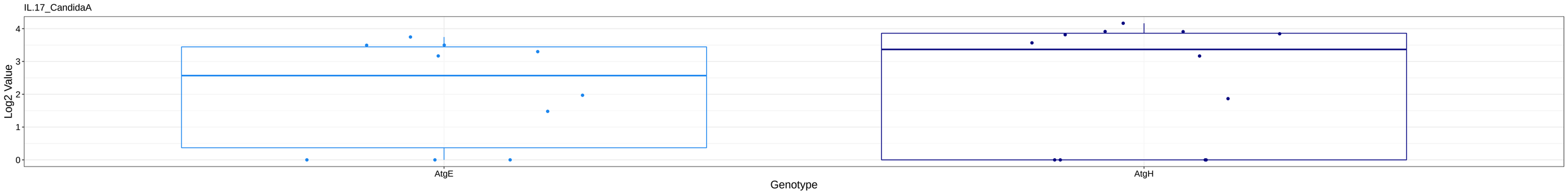
AtgE
AtgH
Genotype


CCL4_StaphA
Log2 Value
6
4
2
0
AtgE
AtgH
Genotype


IL.17_BacteroidesV
Log2 Value
4
3
2
1
0
AtgE
AtgH
Genotype


IL.17_CandidaA
Log2 Value
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3
2
1
0
AtgE
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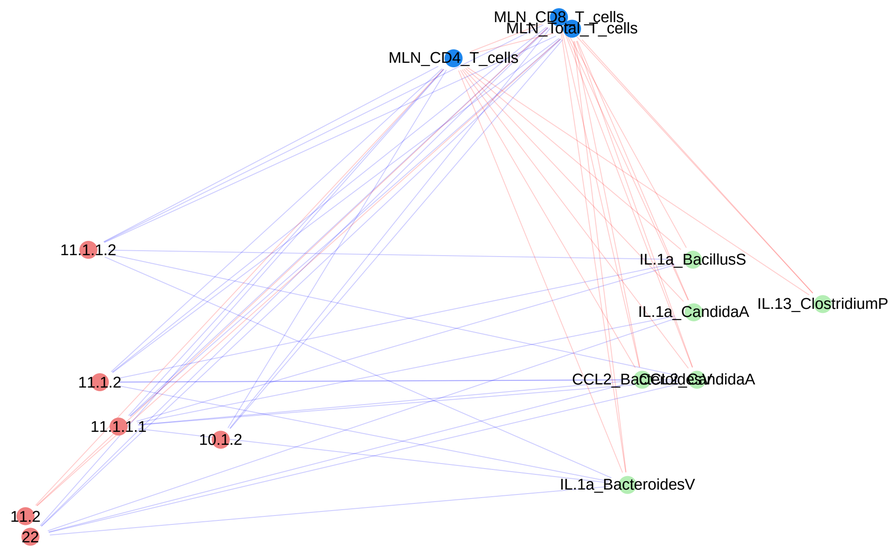
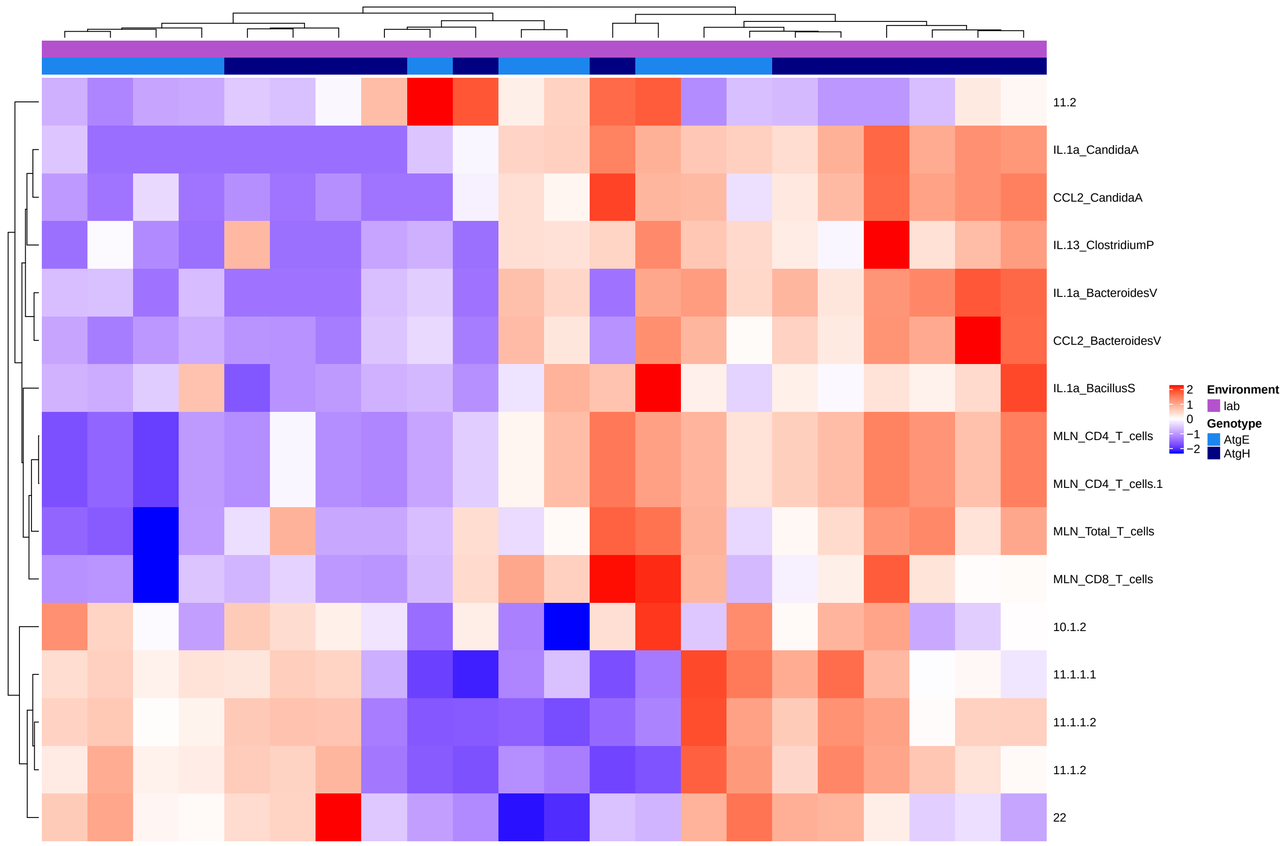
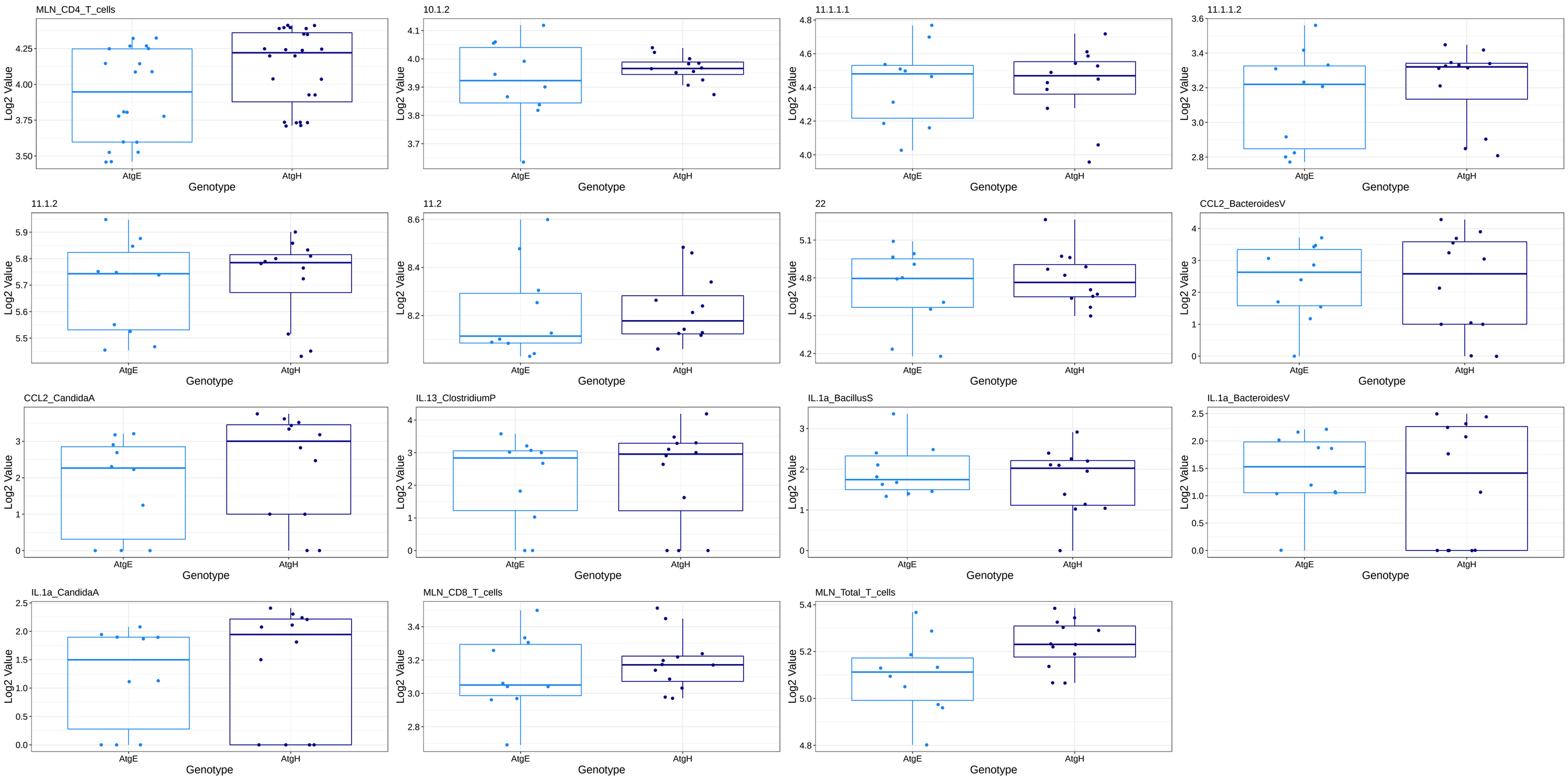
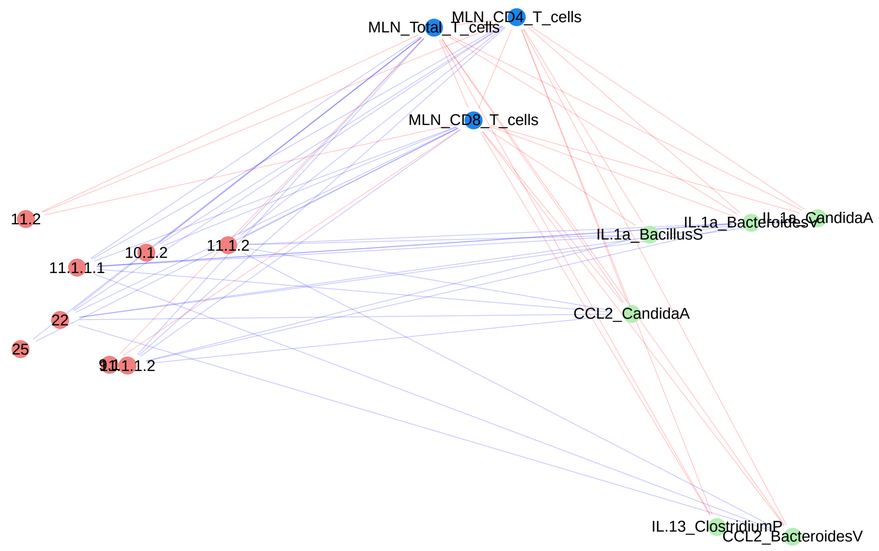
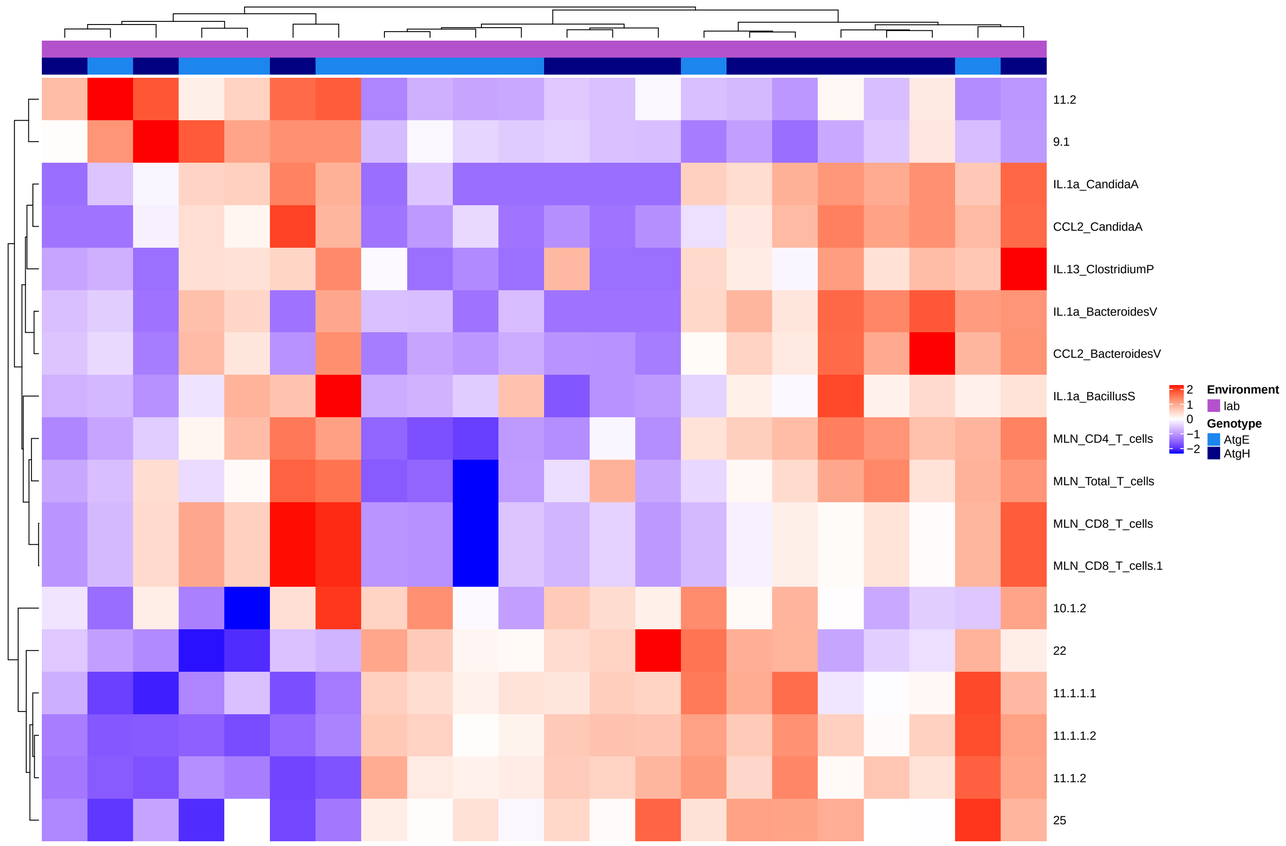
Genotype

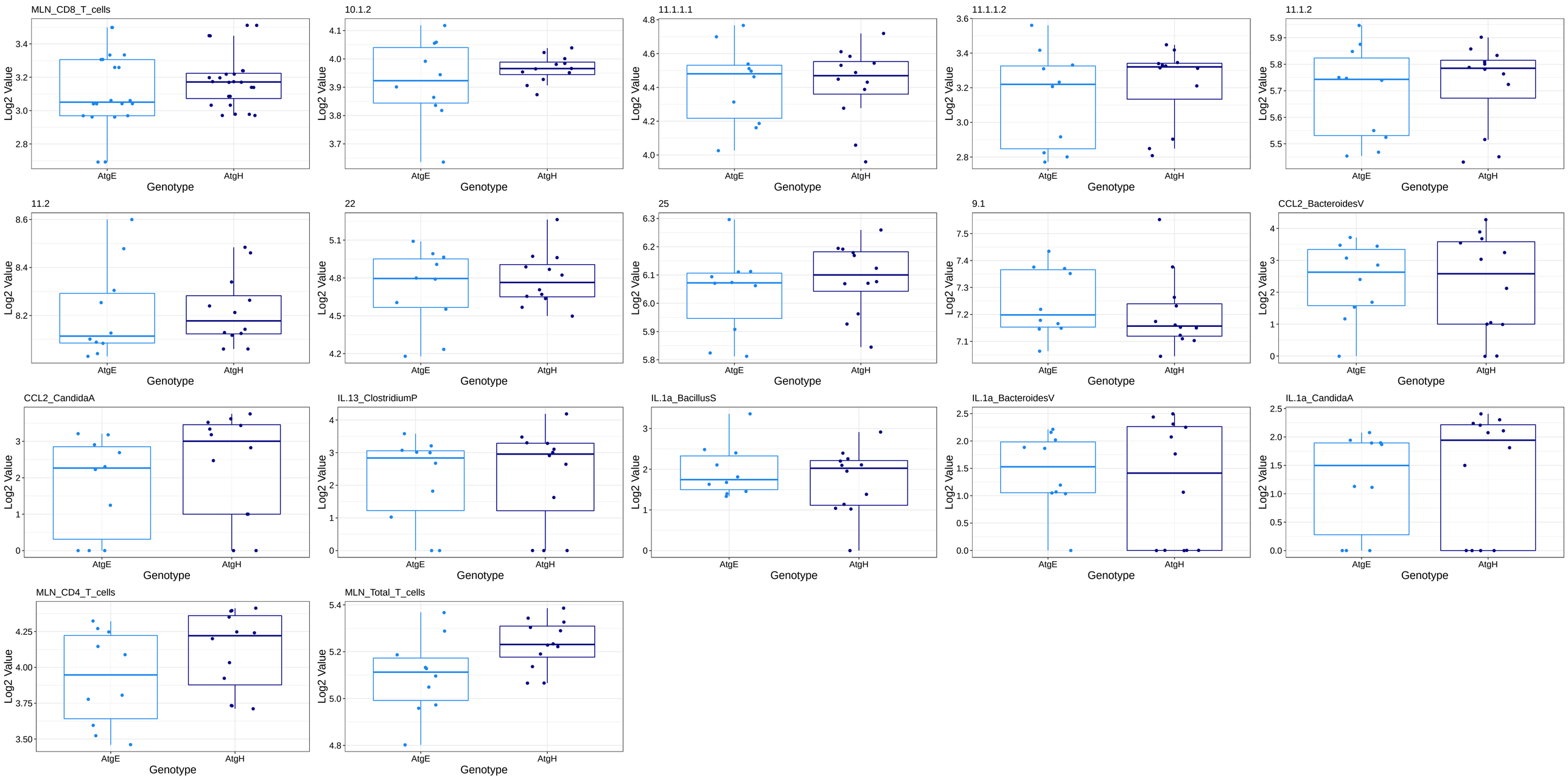

MLN_CD8_T_cells
MLN_Total_T_cells
MLN_CD4_T_cells
11.1.1.2
IL.1a_BacillusS
IL.13_ClostridiumP
IL.1a_CandidaA
11.1.2
CCL2_BacteroidesV
CCL2_CandidaA
11.1.1.1
10.1.2
IL.1a_BacteroidesV
11.2
22

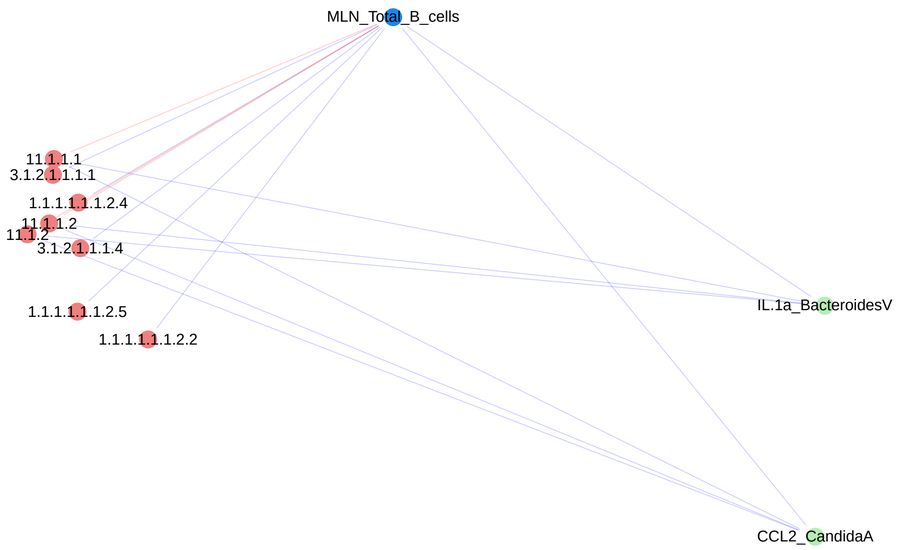

11.2
IL.1a_CandidaA
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacteroidesV
CCL2_BacteroidesV
IL.1a_BacillusS
MLN_CD4_T_cells
MLN_CD4_T_cells.1
MLN_Total_T_cells
MLN_CD8_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
22
Environment
lab
Genotype
AtgE
AtgH

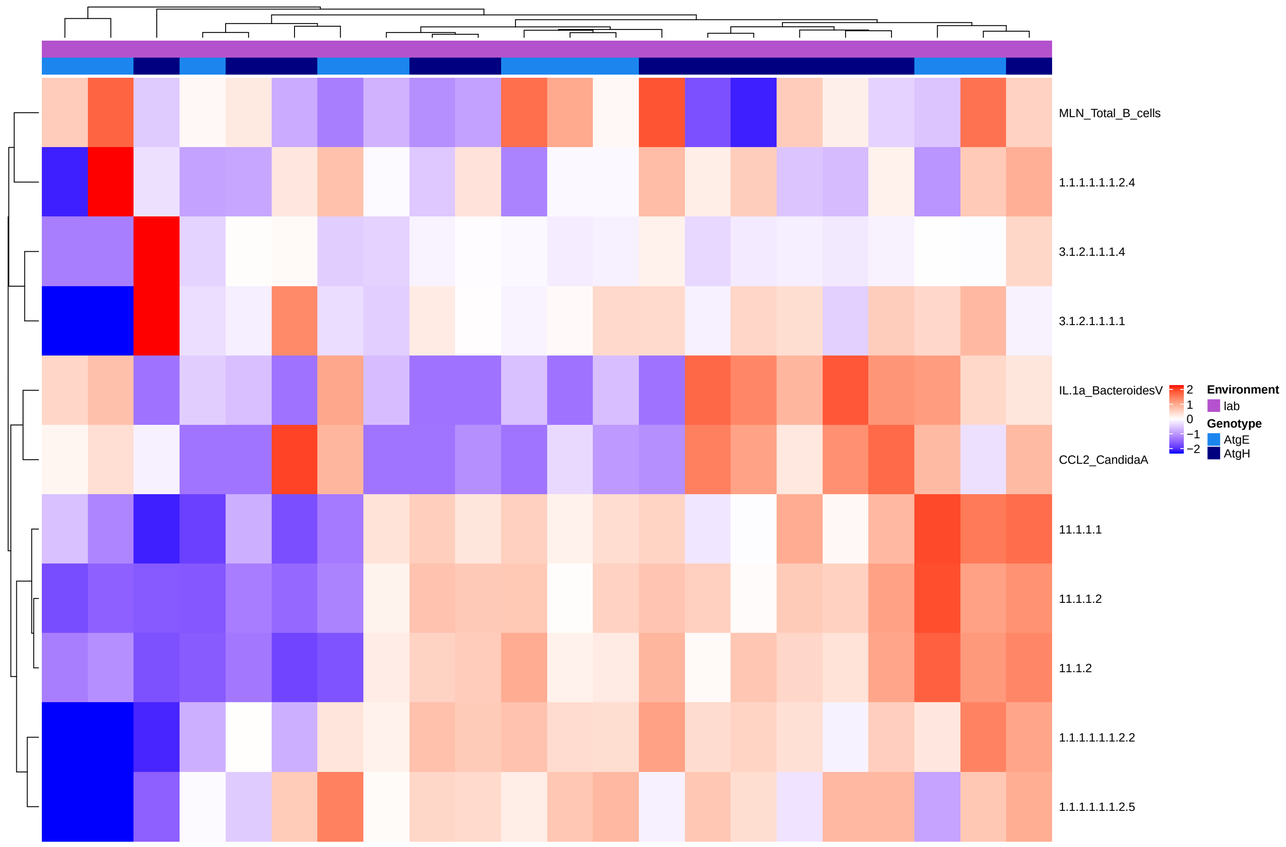

MLN_CD4_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD8_T_cells
MLN_Total_T_cells
Log2 Value
Genotype
AtgE
AtgH

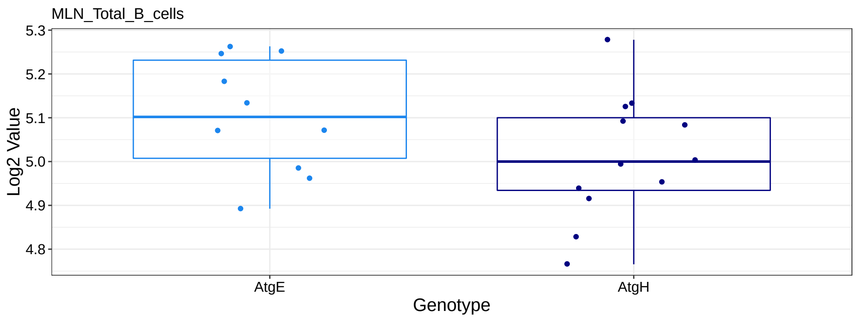

MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
11.2
11.1.1.1
10.1.2
11.1.2
22
25
9.1
11.1.1.2
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
CCL2_CandidaA
IL.13_ClostridiumP
CCL2_BacteroidesV

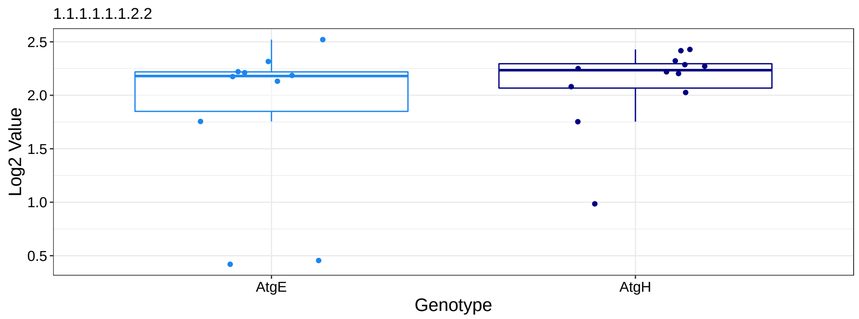

11.2
9.1
IL.1a_CandidaA
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacteroidesV
CCL2_BacteroidesV
IL.1a_BacillusS
MLN_CD4_T_cells
MLN_Total_T_cells
MLN_CD8_T_cells
MLN_CD8_T_cells.1
10.1.2
22
11.1.1.1
11.1.1.2
11.1.2
25
Environment
lab
Genotype
AtgE
AtgH

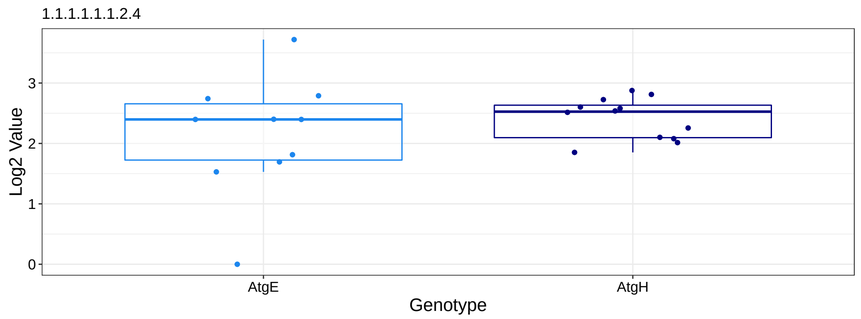

MLN_CD8_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
25
9.1
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacillusS
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD4_T_cells
MLN_Total_T_cells
Log2 Value
Genotype
AtgE
AtgH

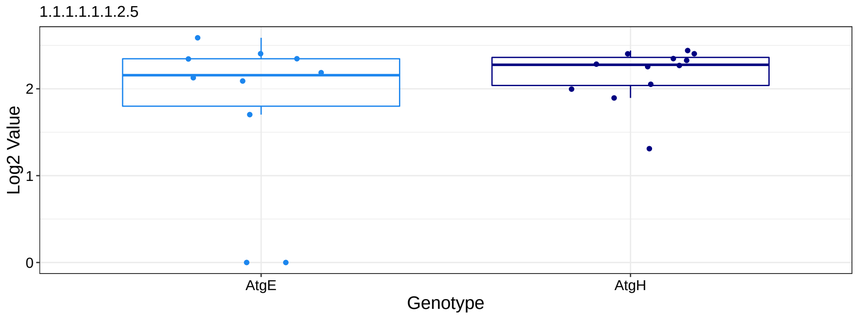

MLN_Total_B_cells
11.1.1.1
3.1.2.1.1.1.1
1.1.1.1.1.1.2.4
11.1.1.2
11.1.2
3.1.2.1.1.1.4
1.1.1.1.1.1.2.5
1.1.1.1.1.1.2.2
IL.1a_BacteroidesV
CCL2_CandidaA

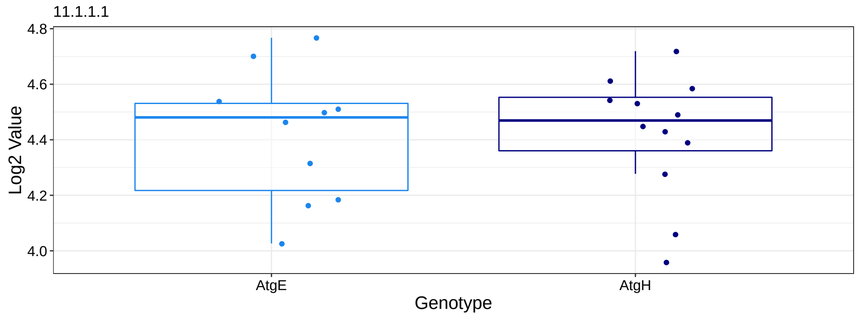

MLN_Total_B_cells
1.1.1.1.1.1.2.4
3.1.2.1.1.1.4
3.1.2.1.1.1.1
IL.1a_BacteroidesV
CCL2_CandidaA
11.1.1.1
11.1.1.2
11.1.2
1.1.1.1.1.1.2.2
1.1.1.1.1.1.2.5
Environment
lab
Genotype
AtgE
AtgH

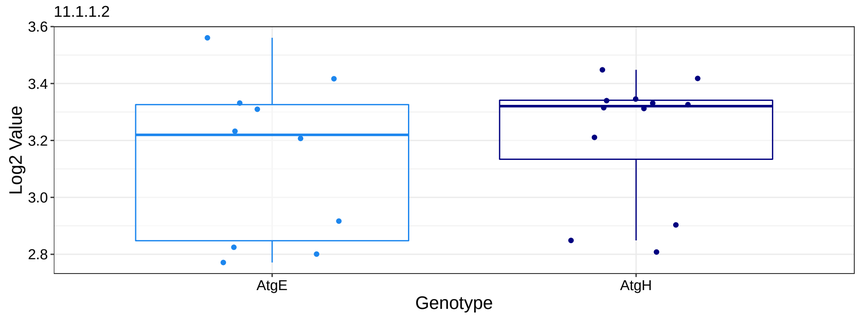

MLN_Total_B_cells
Log2 Value
AtgE
AtgH
Genotype

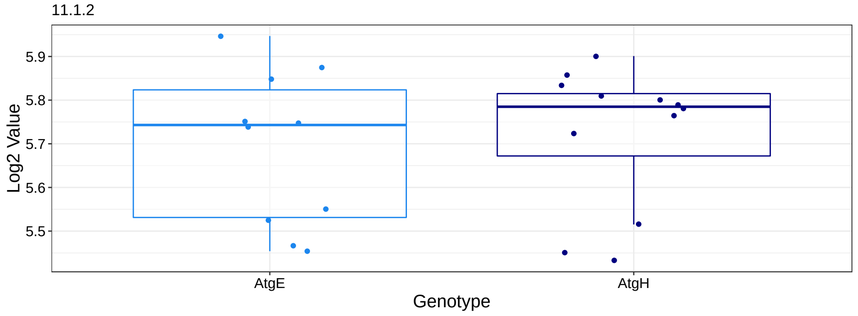

1.1.1.1.1.1.2.2
Log2 Value
AtgE
AtgH
Genotype

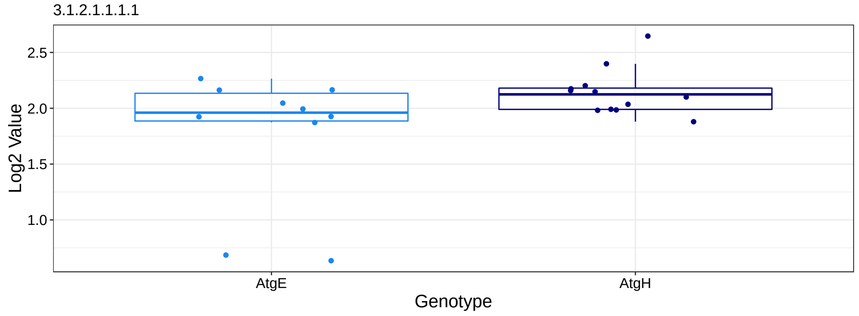

1.1.1.1.1.1.2.4
Log2 Value
AtgE
AtgH
Genotype

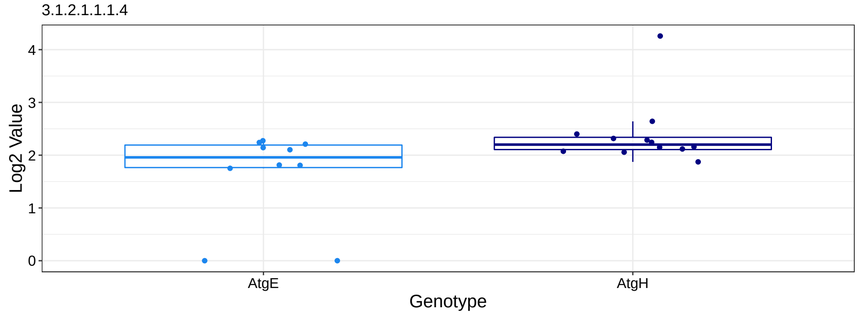

1.1.1.1.1.1.2.5
Log2 Value
AtgE
AtgH
Genotype

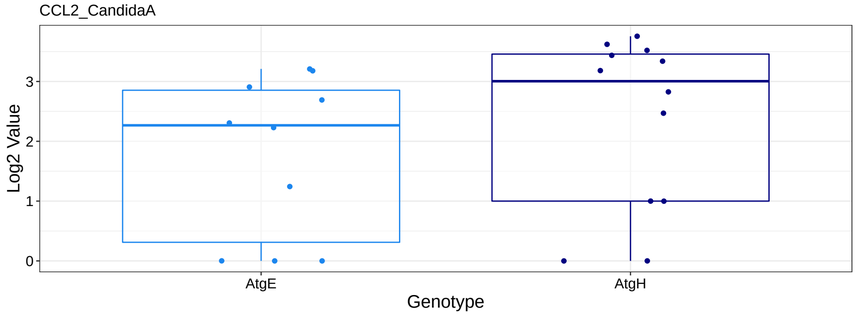

11.1.1.1
Log2 Value
AtgE
AtgH
Genotype

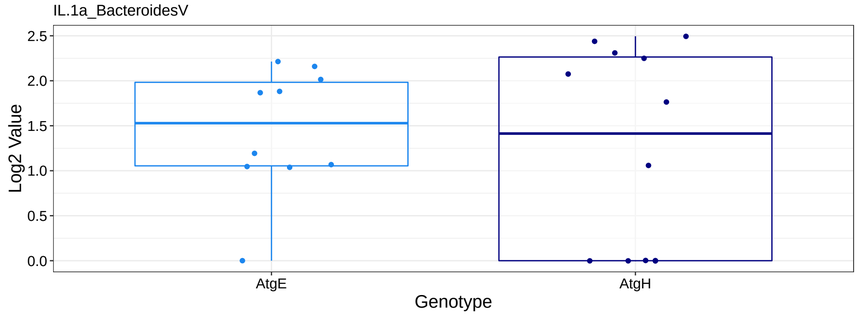

11.1.1.2
Log2 Value
AtgE
AtgH
Genotype

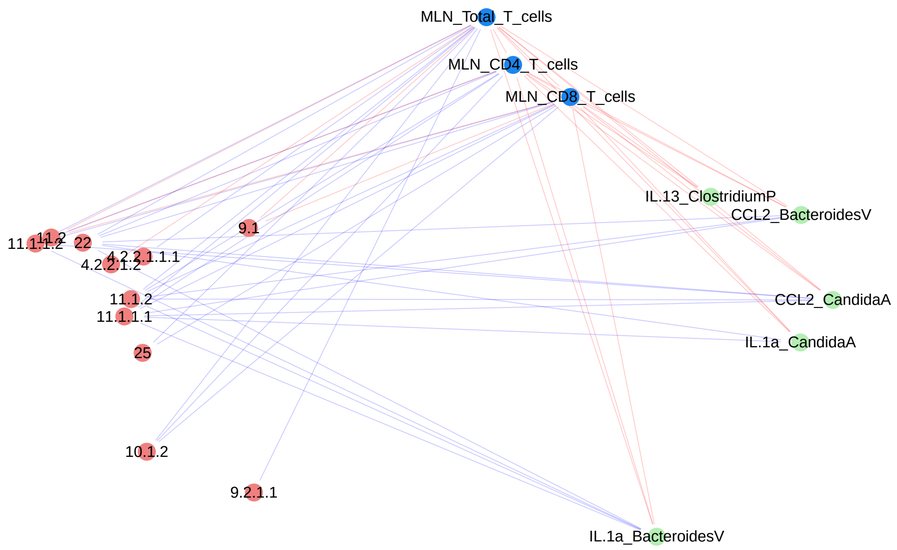

11.1.2
Log2 Value
AtgE
AtgH
Genotype

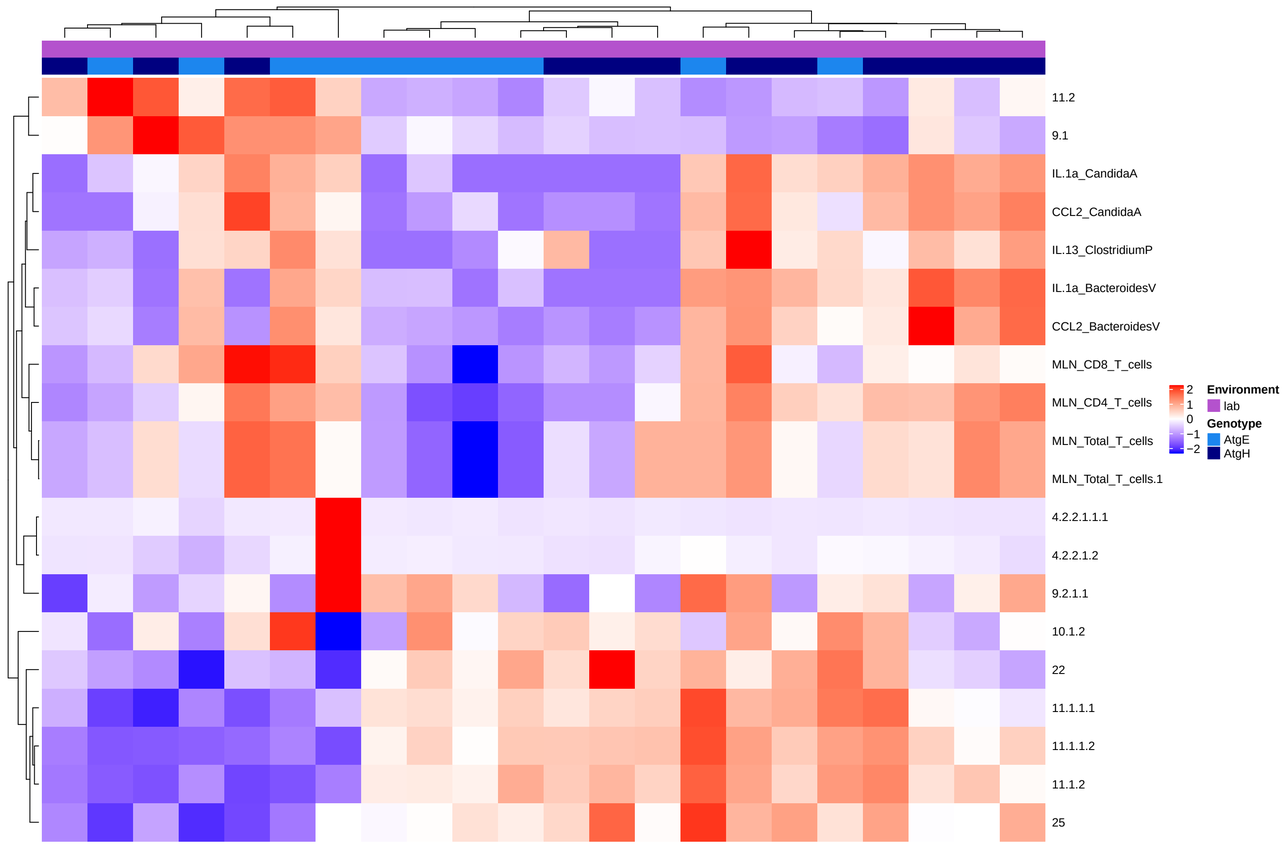

3.1.2.1.1.1.1
Log2 Value
AtgE
AtgH
Genotype


3.1.2.1.1.1.4
Log2 Value
AtgE
AtgH
Genotype


CCL2_CandidaA
Log2 Value
AtgE
AtgH
Genotype


IL.1a_BacteroidesV
Log2 Value
AtgE
AtgH
Genotype


MLN_Total_T_cells
MLN_CD4_T_cells
MLN_CD8_T_cells
IL.13_ClostridiumP
CCL2_BacteroidesV
9.1
11.1.1.2
22
4.2.2.1.1.1
4.2.2.1.2
11.1.2
11.1.1.1
CCL2_CandidaA
IL.1a_CandidaA
25
10.1.2
9.2.1.1
IL.1a_BacteroidesV


11.2
9.1
IL.1a_CandidaA
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacteroidesV
CCL2_BacteroidesV
MLN_CD8_T_cells
MLN_CD4_T_cells
MLN_Total_T_cells
MLN_Total_T_cells.1
4.2.2.1.1.1
4.2.2.1.2
9.2.1.1
10.1.2
22
11.1.1.1
11.1.1.2
11.1.2
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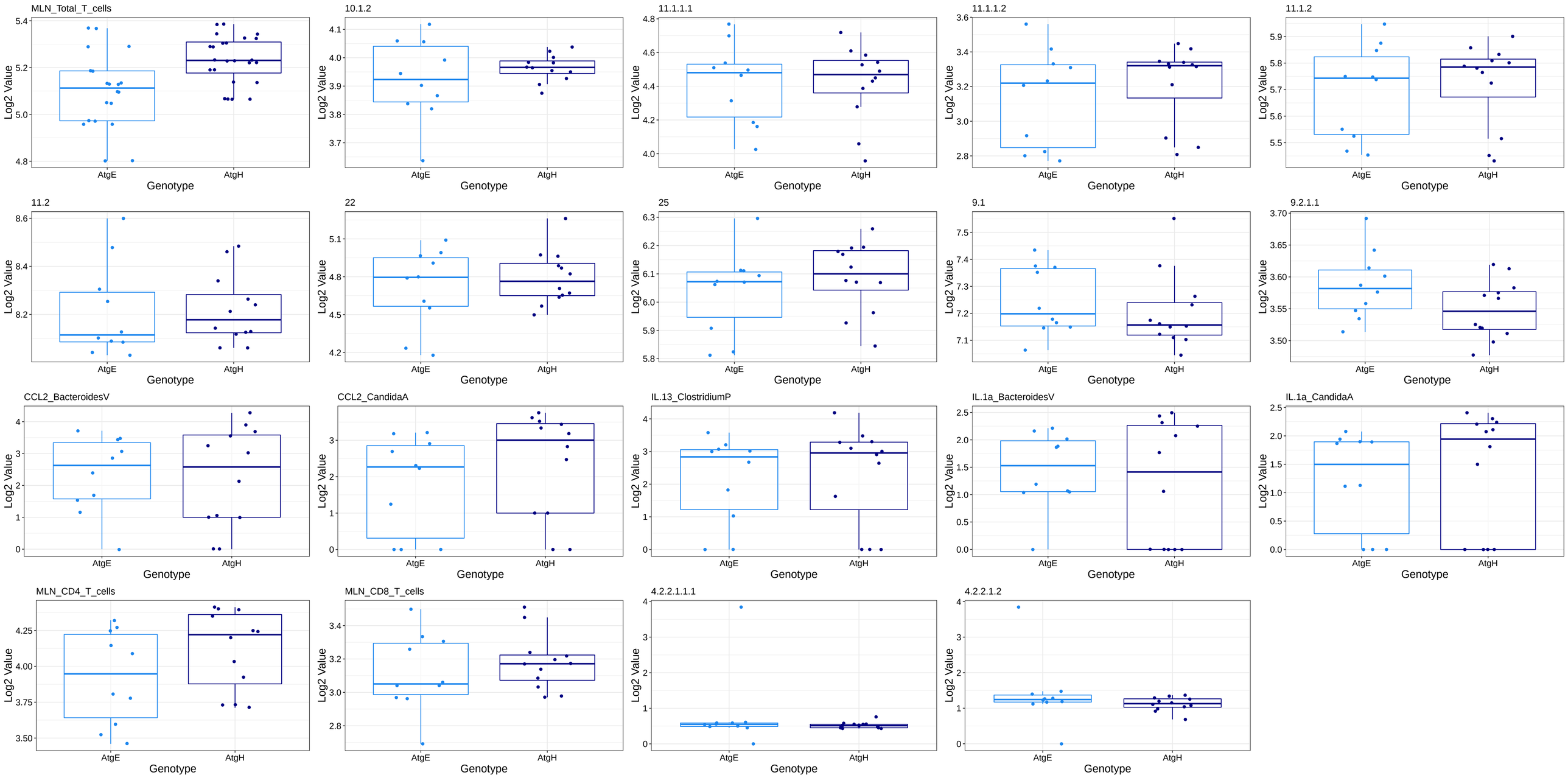
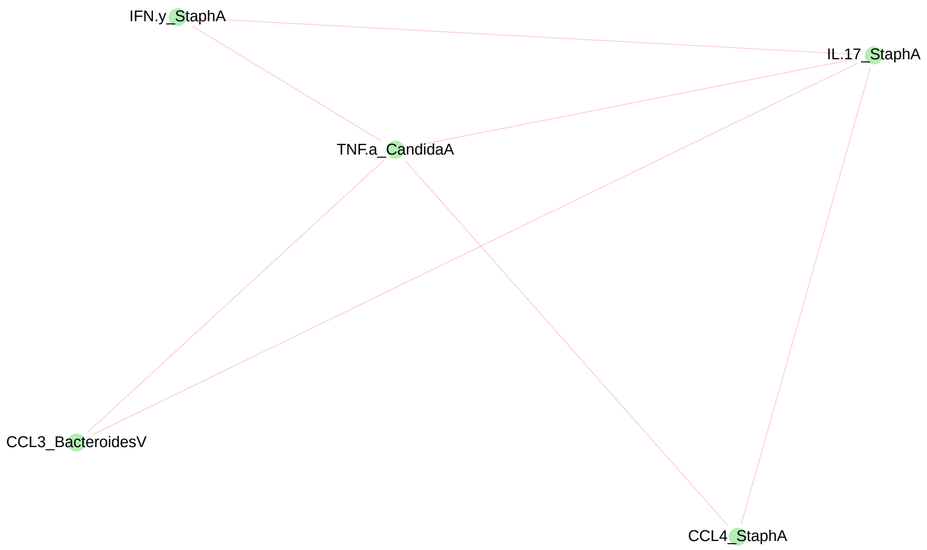
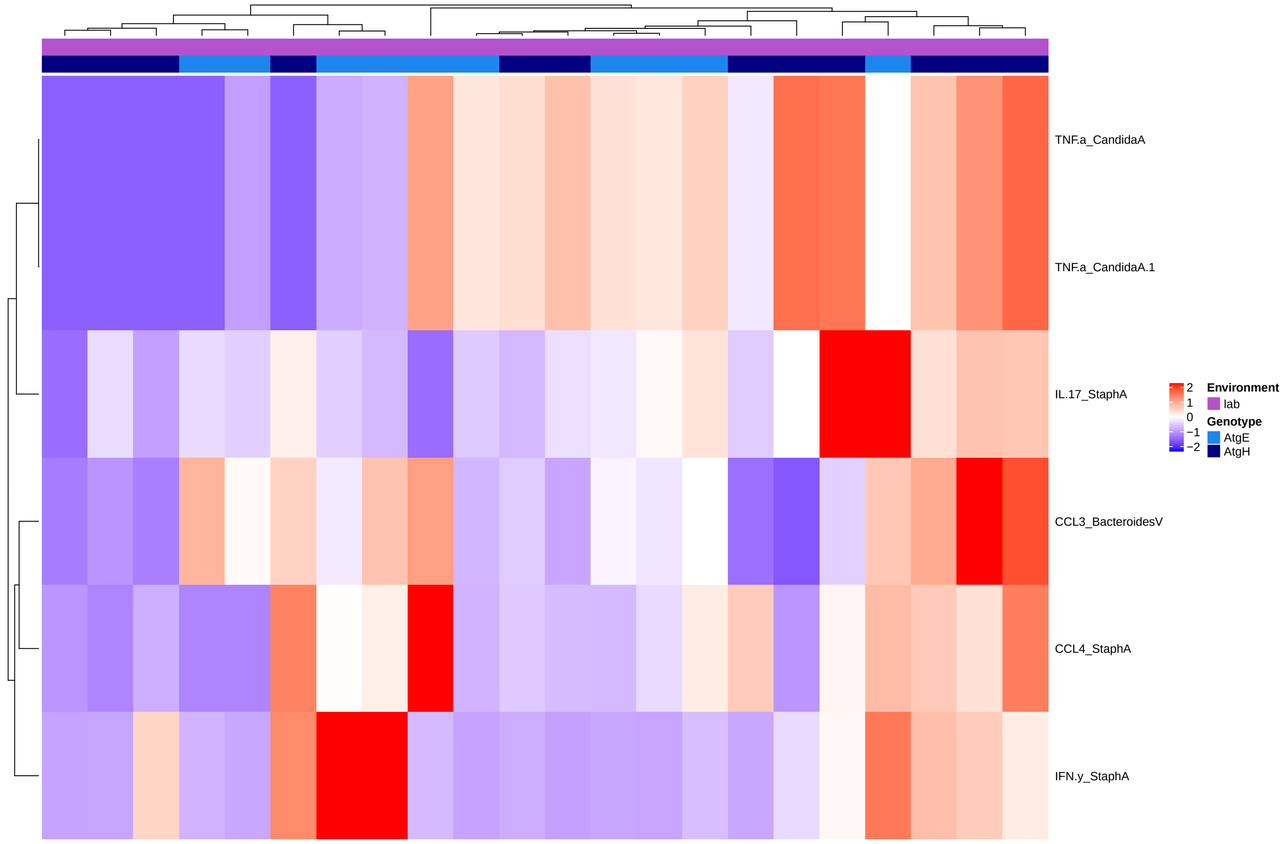
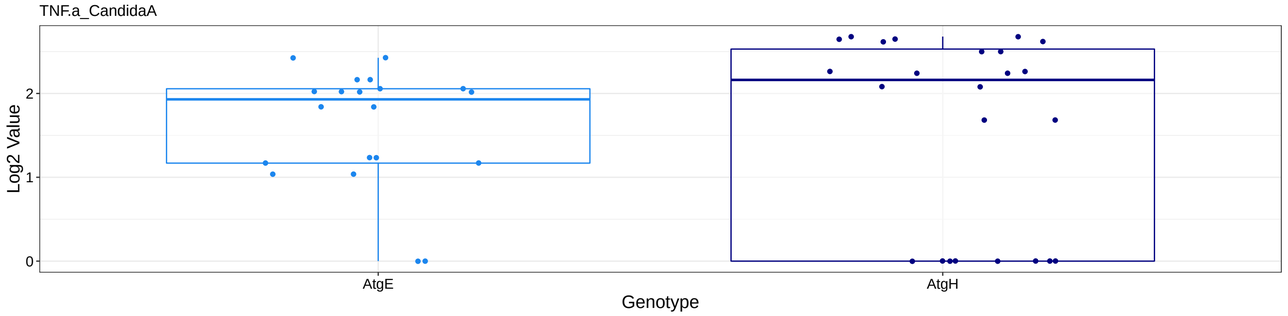
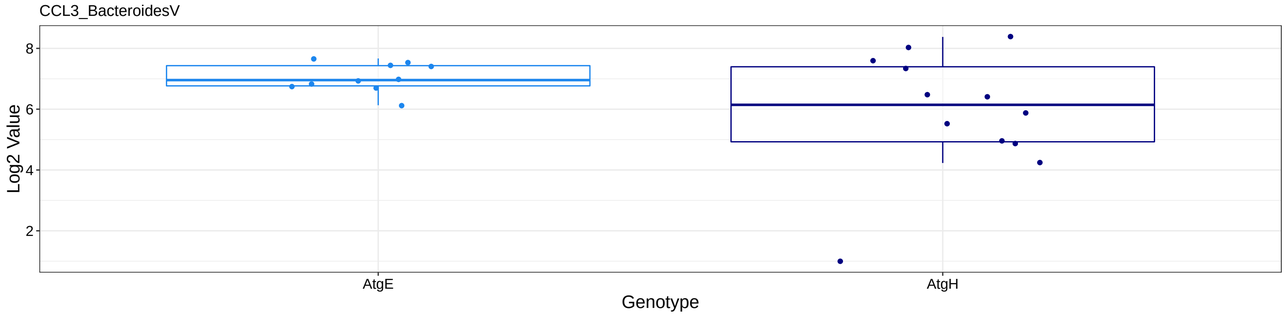
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

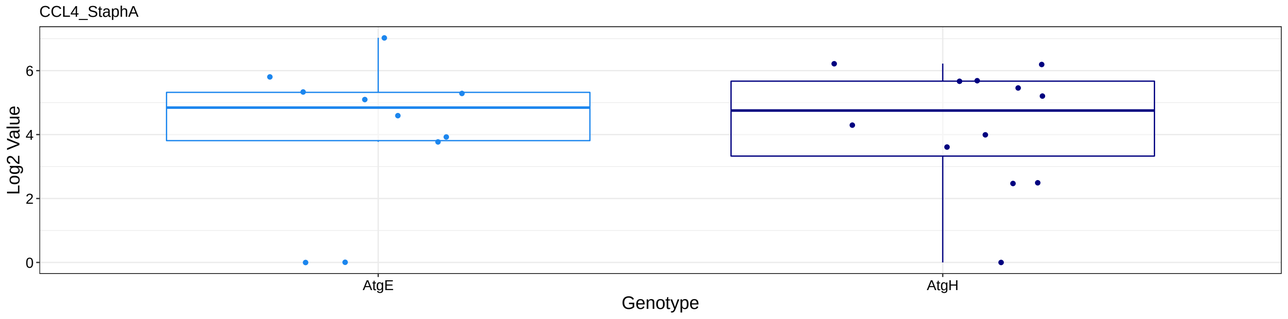

MLN_Total_T_cells
10.1.2
11.1.1.1
11.1.1.2
11.1.2
11.2
22
25
9.1
9.2.1.1
CCL2_BacteroidesV
CCL2_CandidaA
IL.13_ClostridiumP
IL.1a_BacteroidesV
IL.1a_CandidaA
MLN_CD4_T_cells
MLN_CD8_T_cells
4.2.2.1.1.1
4.2.2.1.2
Log2 Value
Genotype
AtgE
AtgH

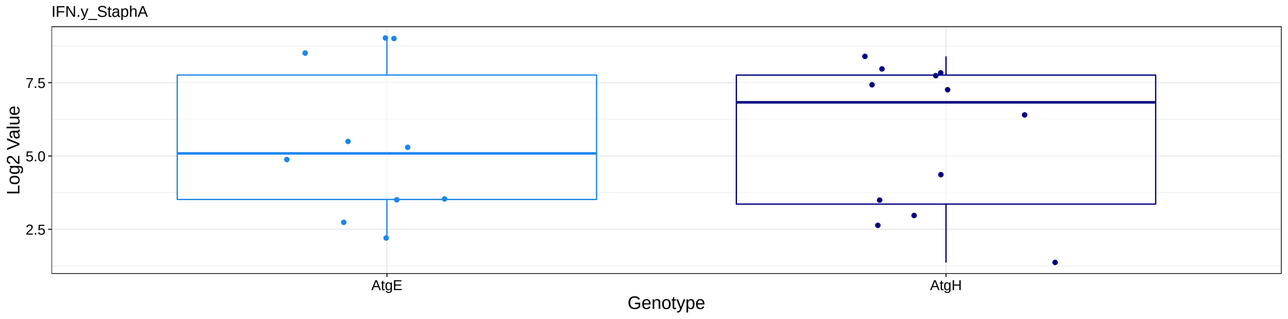

IFN.y_StaphA
IL.17_StaphA
TNF.a_CandidaA
CCL3_BacteroidesV
CCL4_StaphA

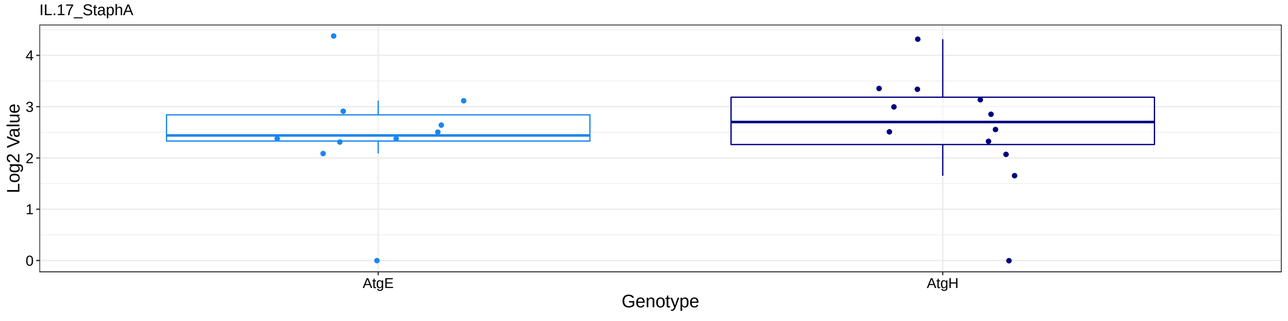

TNF.a_CandidaA
TNF.a_CandidaA.1
IL.17_StaphA
CCL3_BacteroidesV
CCL4_StaphA
IFN.y_StaphA
2
1
0
−1
−2
Environment
lab
Genotype
AtgE
AtgH

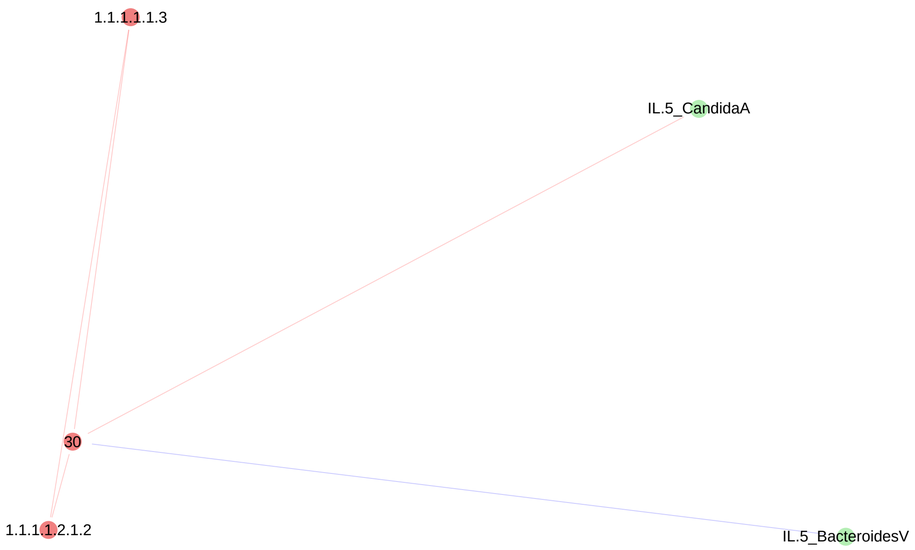

TNF.a_CandidaA
Log2 Value
0
1
2
AtgE
AtgH
Genotype

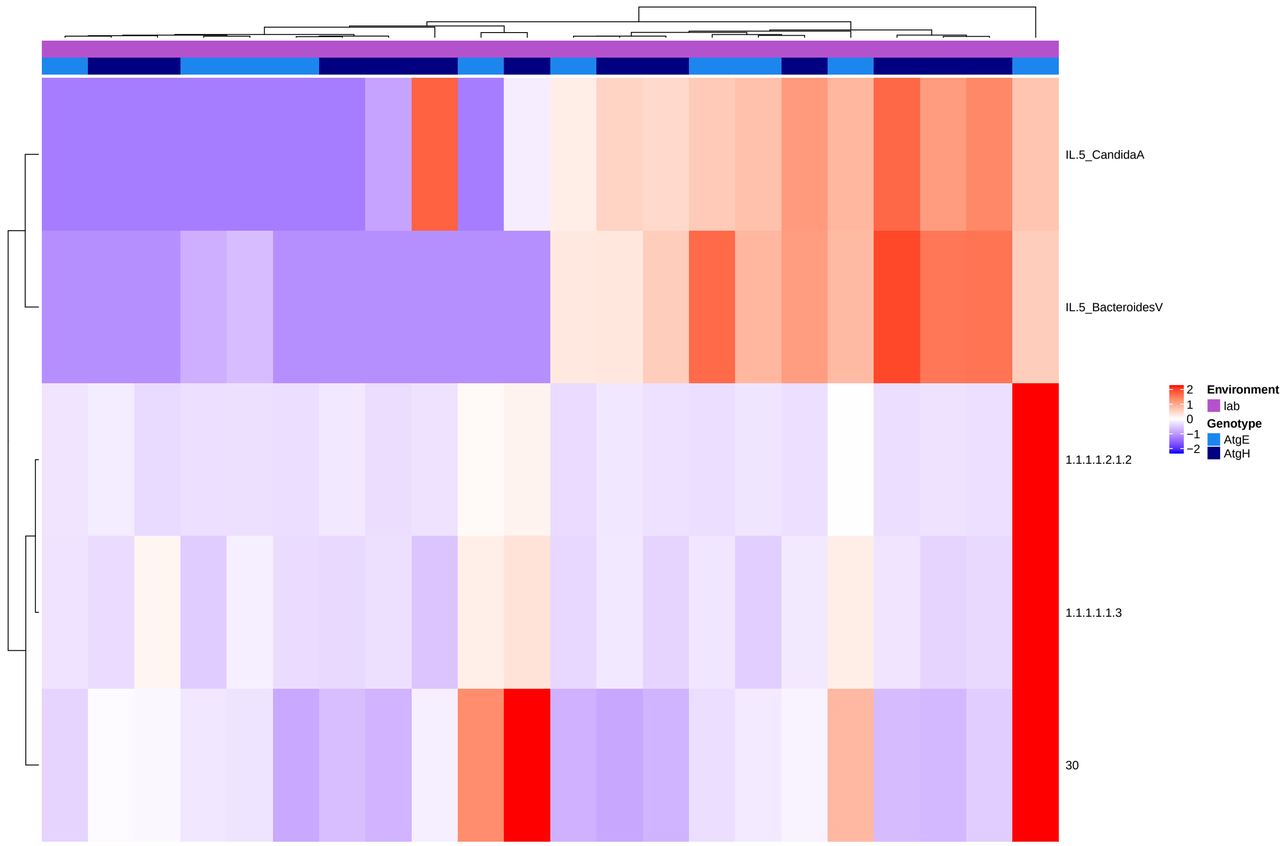

CCL3_BacteroidesV
Log2 Value
2
4
6
8
AtgE
AtgH
Genotype

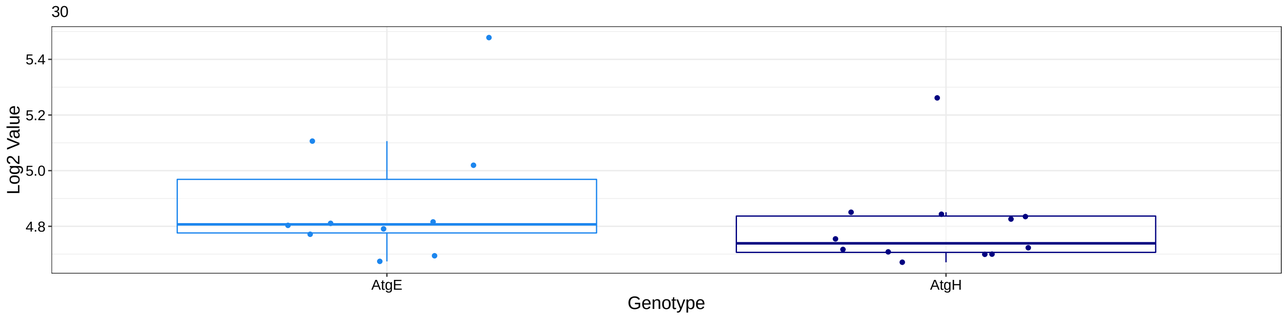

CCL4_StaphA
Log2 Value
0
2
4
6
AtgE
AtgH
Genotype

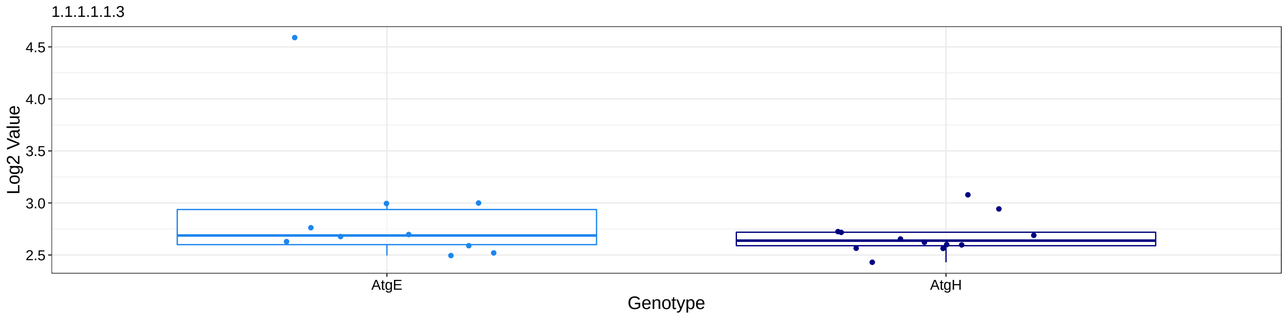

IFN.y_StaphA
Log2 Value
2.5
5.0
7.5
AtgE
AtgH
Genotype

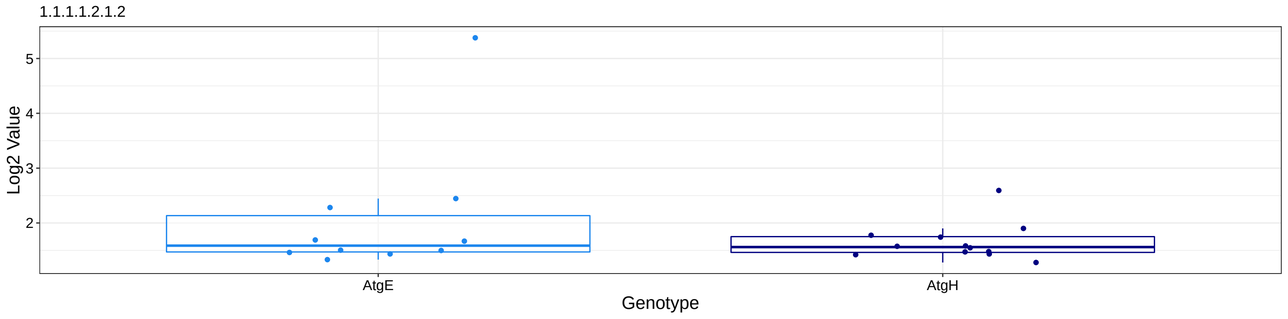

IL.17_StaphA
Log2 Value
0
1
2
3
4
AtgE
AtgH
Genotype

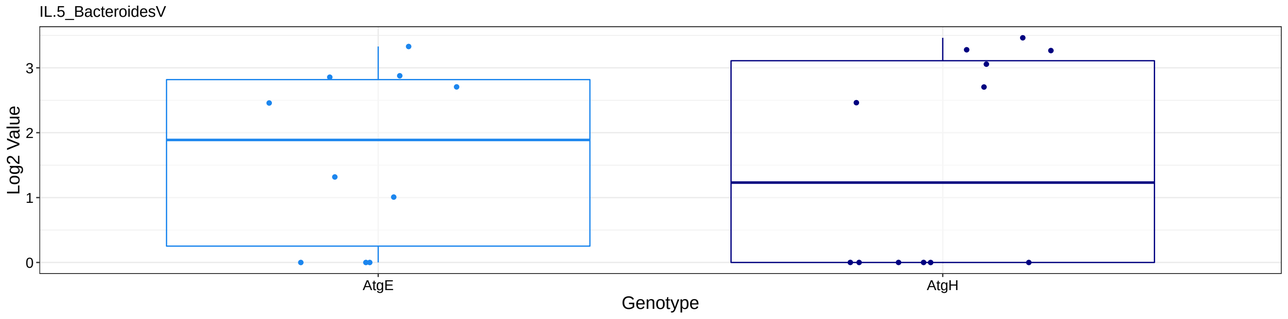

1.1.1.1.1.3
IL.5_CandidaA
30
1.1.1.1.2.1.2
IL.5_BacteroidesV

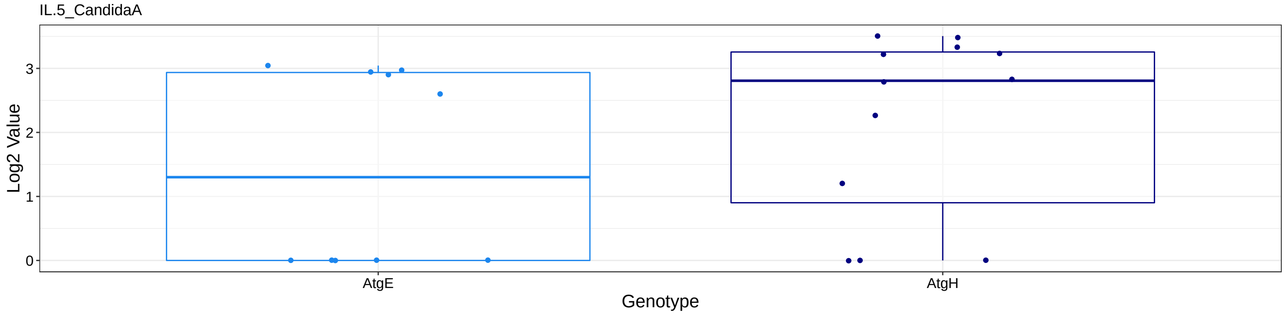

IL.5_CandidaA
IL.5_BacteroidesV
1.1.1.1.2.1.2
1.1.1.1.1.3
30
Environment
lab
Genotype
AtgE
AtgH
2
1
0
−1
−2


30
Log2 Value
5.4
5.2
5.0
4.8
AtgE
AtgH
Genotype


1.1.1.1.1.3
Log2 Value
4.5
4.0
3.5
3.0
2.5
AtgE
AtgH
Genotype


1.1.1.1.2.1.2
Log2 Value
5
4
3
2
AtgE
AtgH
Genotype


IL.5_BacteroidesV
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype


IL.5_CandidaA
Log2 Value
3
2
1
0
AtgE
AtgH
Genotype