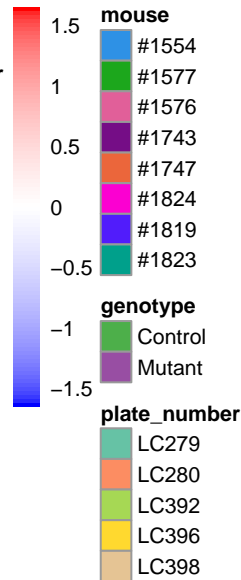
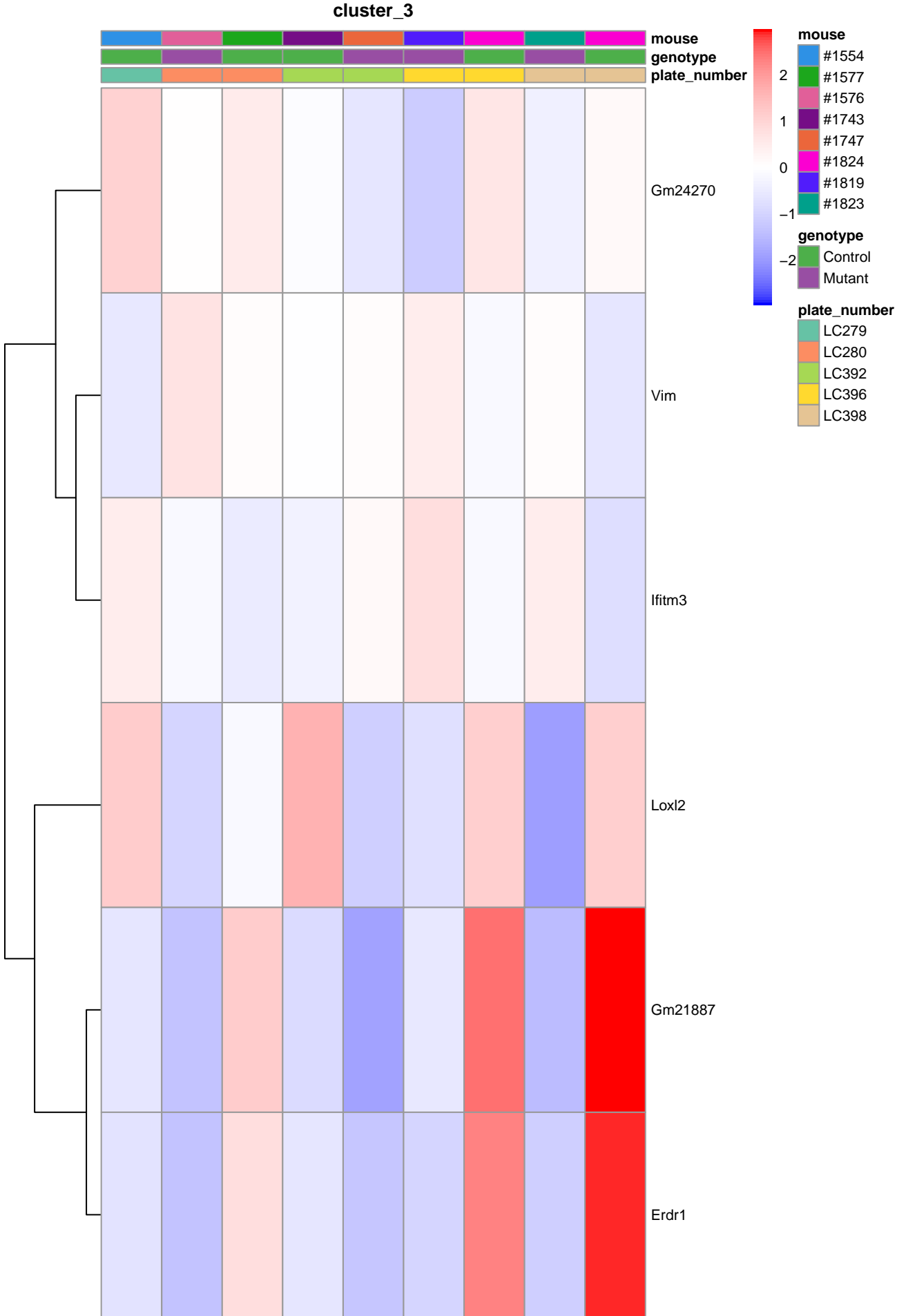
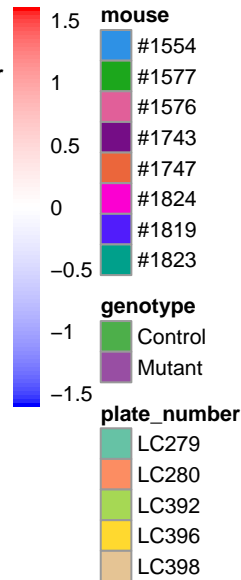


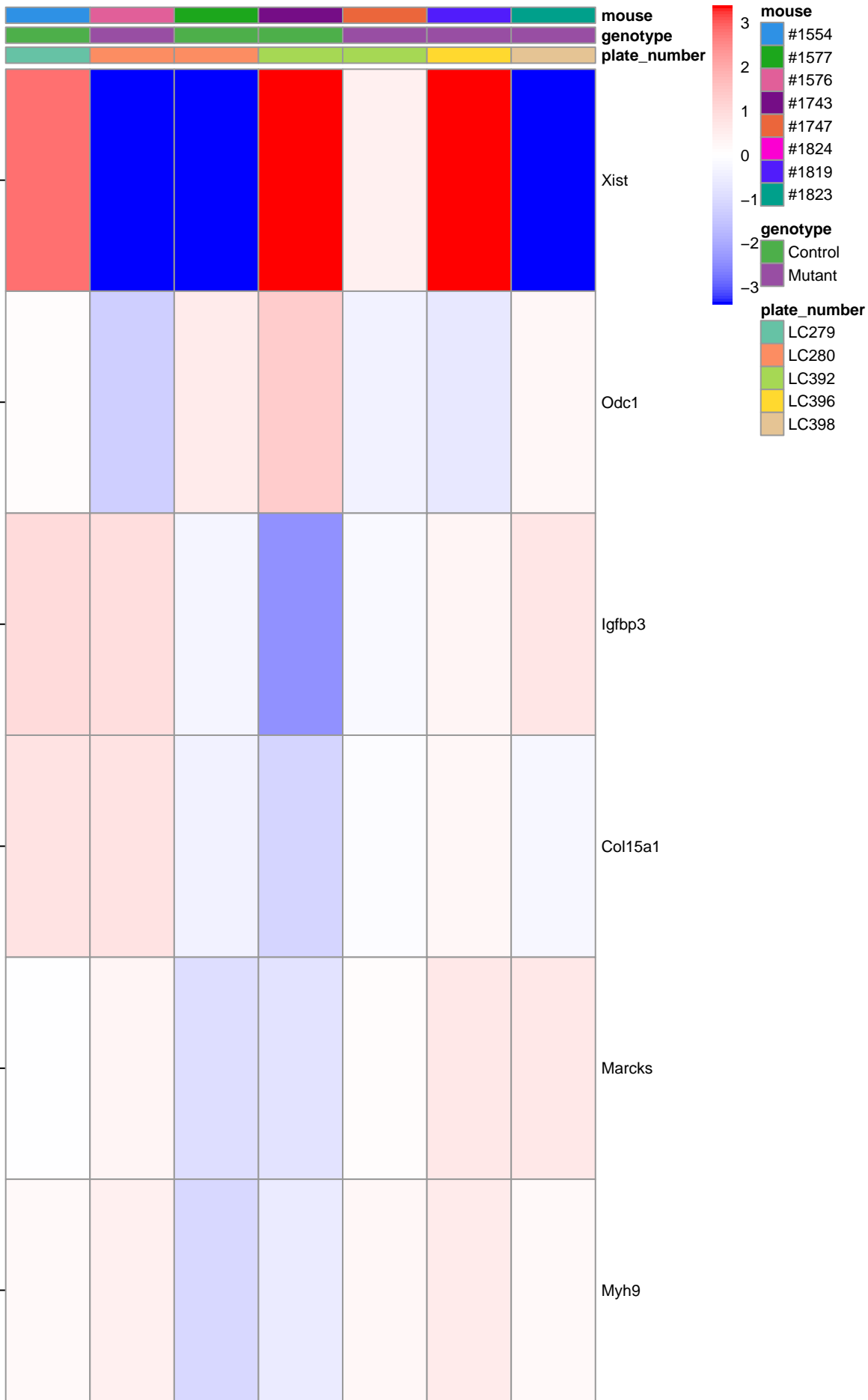
The image displays a 12x12 grid of colored squares. At the top, there is a color key with 12 columns, each containing a small square and a corresponding color name: Blue, Pink, Green, Purple, Orange, Blue, Magenta, Teal, Cyan, Yellow, Red, and Grey. The grid itself is composed of squares in various shades of these colors, including light blue, light pink, light green, light purple, light orange, light blue, light magenta, light teal, light cyan, light yellow, light red, and light grey. The colors are distributed in a pattern that suggests a complex, possibly random, arrangement.



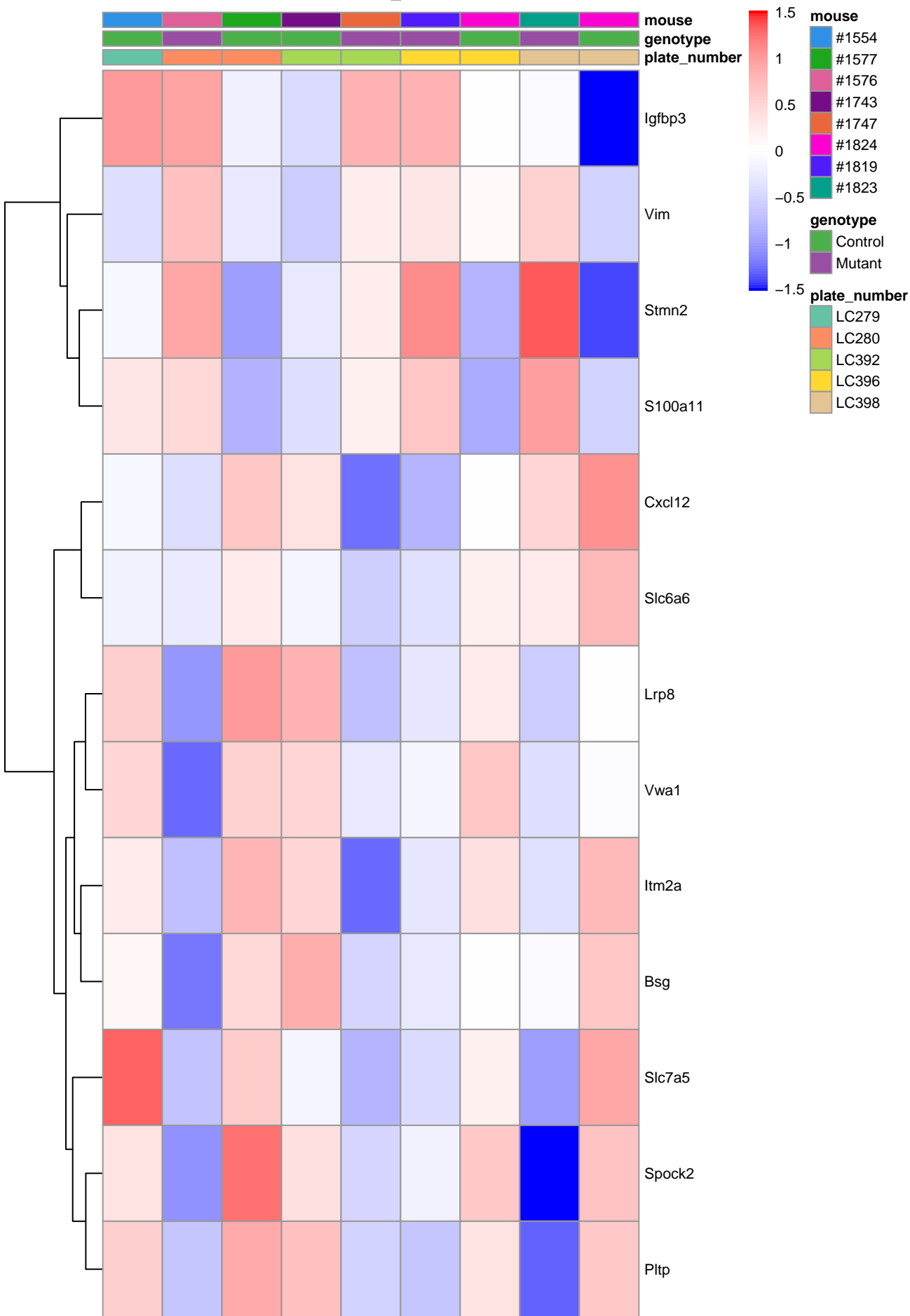


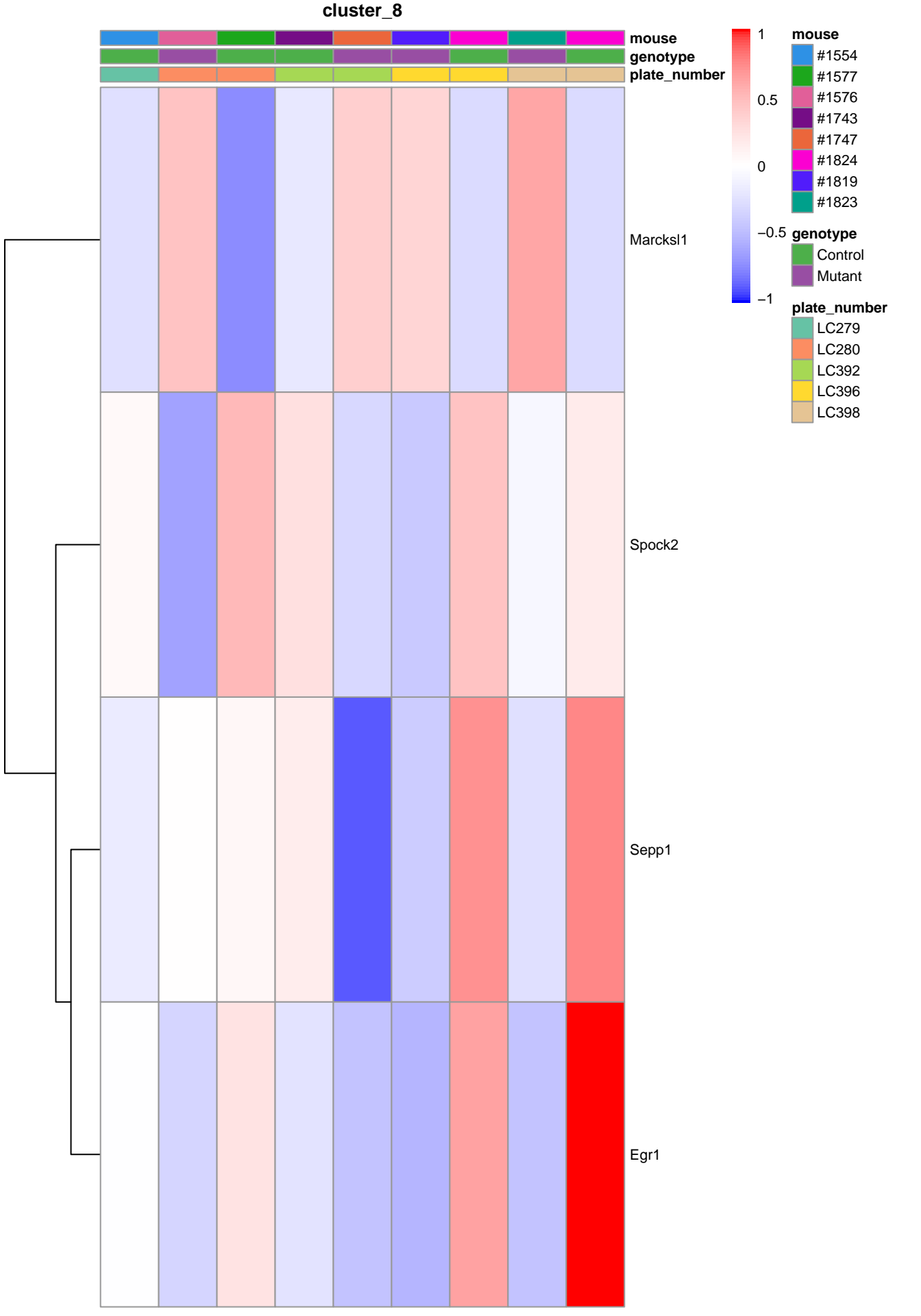
[illegible]

cluster_5

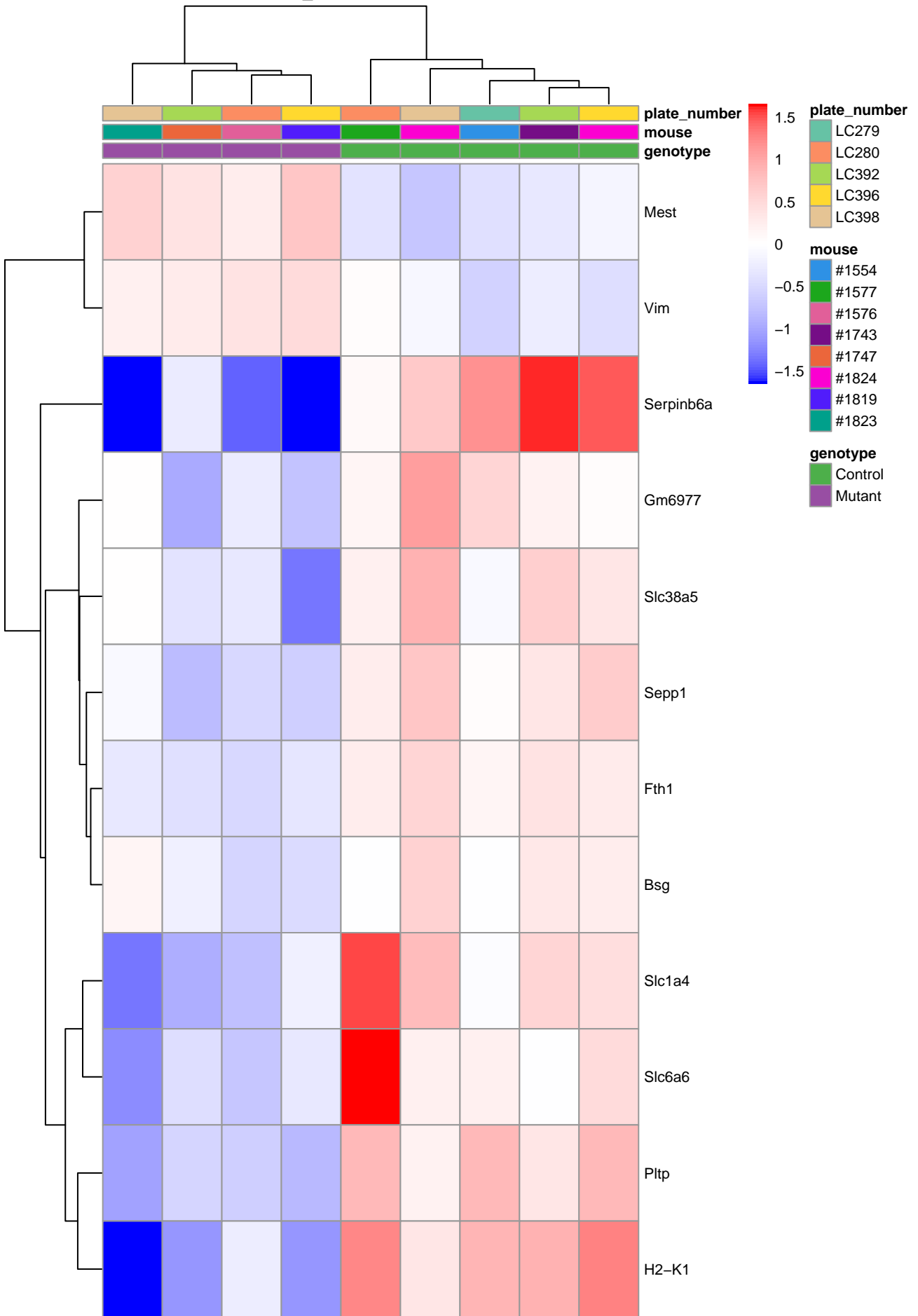


cluster_6





cluster_2: columns clustered



Heatmap visualization showing gene expression data (Log2 expression) for six genes (Gm24270, Vim, Ifitm3, Loxl2, Gm21887, Erdr1) across different plate numbers, mouse IDs, and genotypes. The color scale ranges from -2 (blue) to 2 (red).

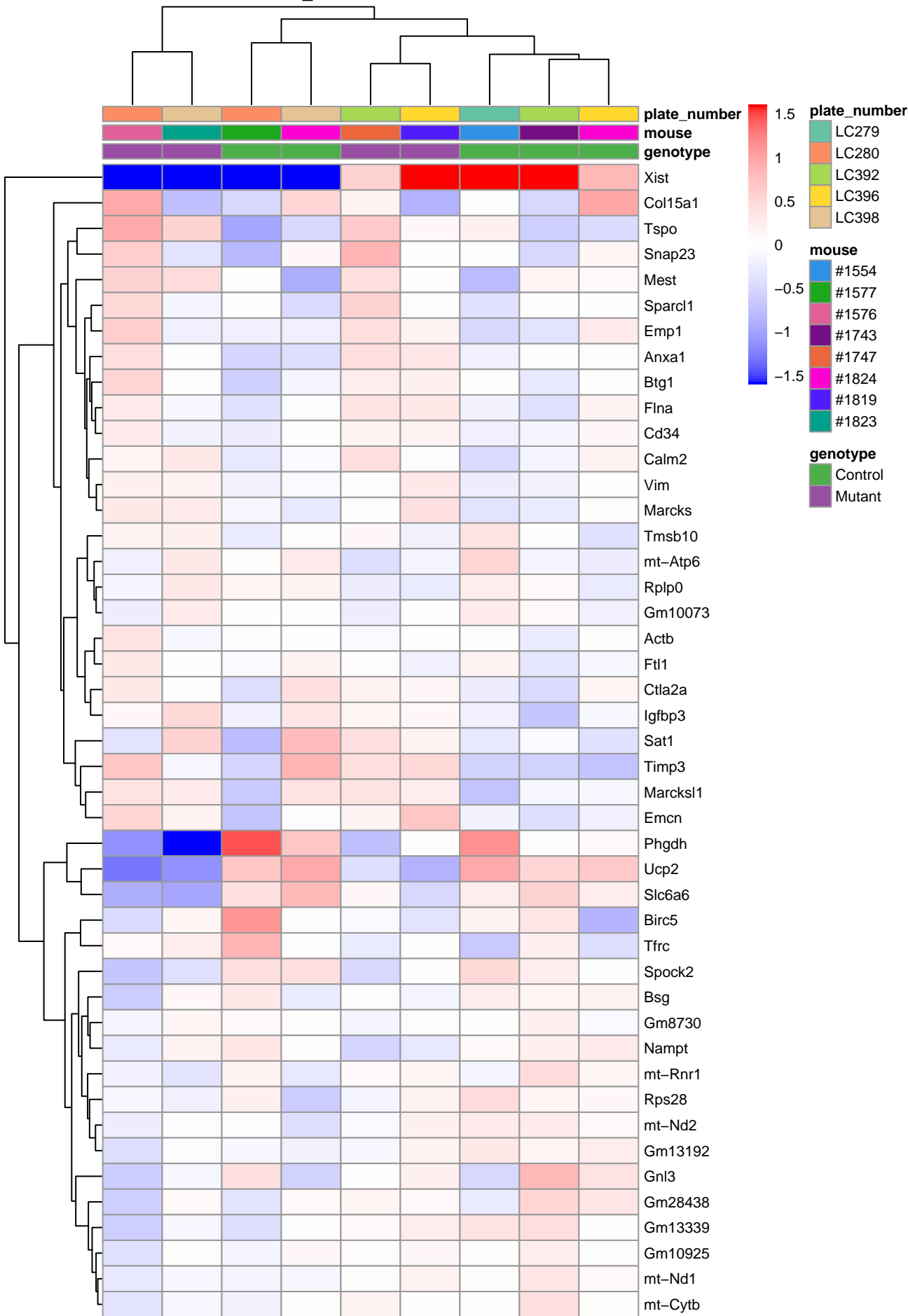
Legend:

- plate_number:** LC279, LC280, LC392, LC396, LC398
- mouse:** #1554, #1577, #1576, #1743, #1747, #1824, #1819, #1823
- genotype:** Control, Mutant

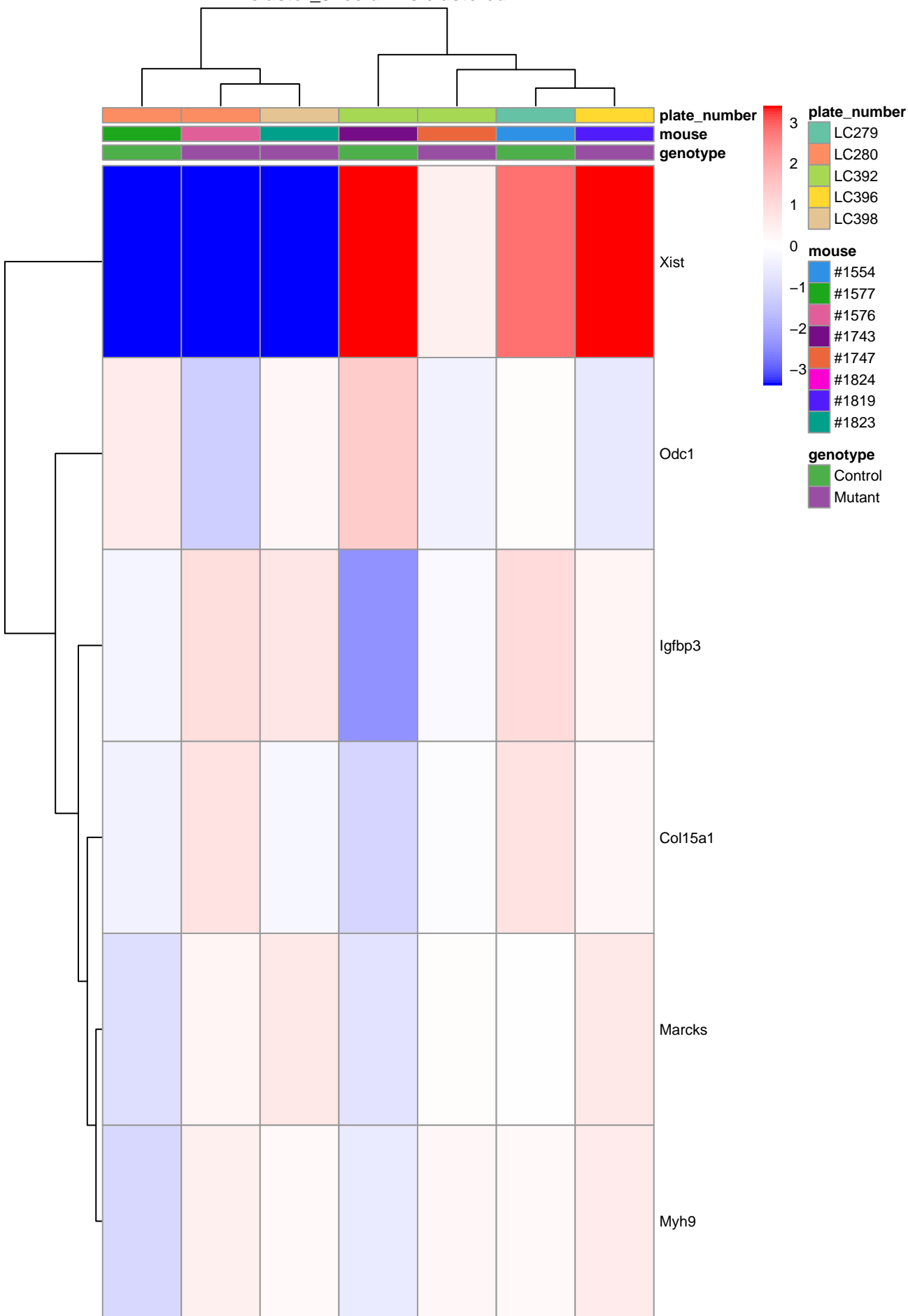
Gene Expression Data (Log2 expression):

Gene	Plate	Mouse	Genotype	Log2 Expression
Gm24270	LC396	#1824	Control	1.5
	LC398	#1824	Control	1.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5
Vim	LC396	#1824	Control	0.5
	LC398	#1824	Control	0.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5
Ifitm3	LC396	#1824	Control	0.5
	LC398	#1824	Control	0.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5
Loxl2	LC396	#1824	Control	1.5
	LC398	#1824	Control	1.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5
Gm21887	LC396	#1824	Control	1.5
	LC398	#1824	Control	1.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5
Erdr1	LC396	#1824	Control	1.5
	LC398	#1824	Control	1.5
	LC396	#1819	Control	-1.5
	LC392	#1819	Control	-1.5
	LC392	#1819	Mutant	-1.5

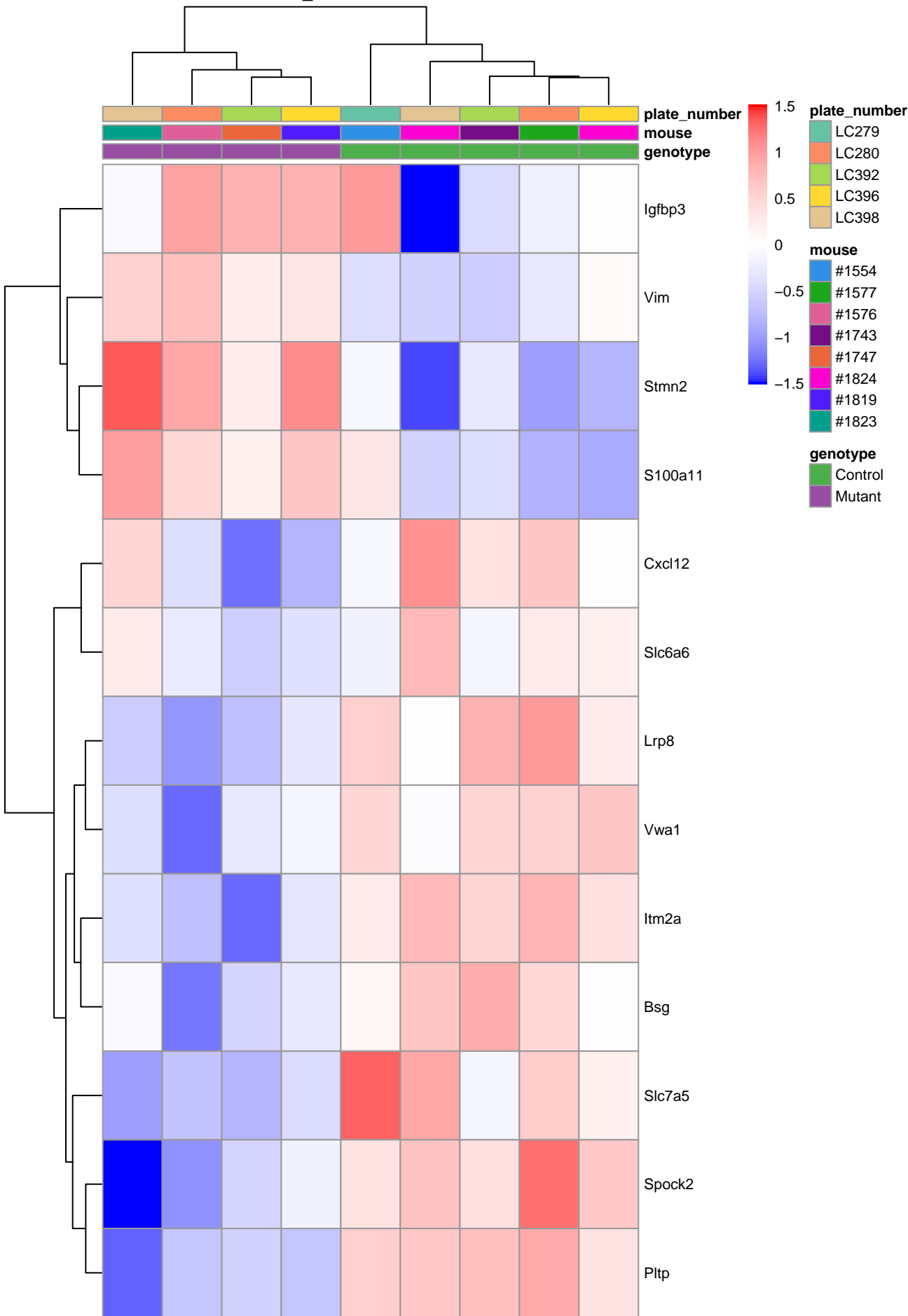
cluster_4: columns clustered



cluster_5: columns clustered



cluster_6: columns clustered



Heatmap visualization showing gene expression data (log2 fold change) for four genes (Marcks1, Spock2, Sepp1, Egr1) across different plate numbers and mouse genotypes. The color scale ranges from -1 (blue) to 1 (red).

Legend:

- plate_number:** LC279, LC280, LC392, LC396, LC398
- mouse:** #1554, #1577, #1576, #1743, #1747, #1824, #1819, #1823
- genotype:** Control, Mutant

Gene Expression Data (approximate values):

Gene	Plate	Mouse	Genotype	Expression (log2 FC)
Marcks1	LC279	#1554	Control	0.8
		#1577	Control	0.8
	LC280	#1576	Control	0.8
		#1743	Control	0.8
	LC392	#1747	Control	0.8
		#1824	Control	0.8
	LC396	#1819	Control	-0.8
		#1823	Control	-0.8
Spock2	LC279	#1554	Control	-0.8
		#1577	Control	-0.8
	LC280	#1576	Control	-0.8
		#1743	Control	-0.8
	LC392	#1747	Control	-0.8
		#1824	Control	-0.8
	LC396	#1819	Control	0.8
		#1823	Control	0.8
Sepp1	LC279	#1554	Control	-1.0
		#1577	Control	-1.0
	LC280	#1576	Control	-1.0
		#1743	Control	-1.0
	LC392	#1747	Control	-1.0
		#1824	Control	-1.0
	LC396	#1819	Control	0.8
		#1823	Control	0.8
Egr1	LC279	#1554	Control	-0.8
		#1577	Control	-0.8
	LC280	#1576	Control	-0.8
		#1743	Control	-0.8
	LC392	#1747	Control	-0.8
		#1824	Control	-0.8
	LC396	#1819	Control	1.0
		#1823	Control	1.0