

Subset of genes expressed in LEW BMDMs (+/- LPS) with non-synonymous SNPs

GENE	Start	End	LEWIS-NS	LEWIS-LPS	SD-NS	SD-LPS	BN-LPS	NS SNP (All rats) (Ensembl)	Different in SHR vs F334/BN (RGD)	Different in SD/BN vs. LEWIS (RNAseq)
Aurkb	55798709	55804367	20.4	4.2	15.8	9.4	11.8		YES	YES
Neur14	56745821	56757435	5.1	2.5	4.0	3.6	3.4	YES	YES	YES
Cxcl16	57296125	57307217	100.5	264.3	111.6	368.1	262.9	YES	YES	YES
Nlrp1	57963707	58007925	4.5	9.8	4.8	13.5	13.0	YES	YES	YES
Tp53	56399720	56411150	36.9	45.3	38.1	60.9	59.5	YES	YES	NO
Dlg4	56864458	56890626	2.3	3.1	2.2	2.9	2.3	YES	YES	NO
Arrb2	57244070	57284166	23.0	6.5	24.1	8.7	10.0	YES	YES	NO
Rabep1	57746746	57847498	9.5	18.1	7.6	12.0	11.1	YES	NO	YES
Rpl26	55662219	55665752	42.8	18.5	57.1	30.0	33.5	YES	NO	
RGD1563106	55768181	55788836	4.8	2.5	5.4	2.2	2.4	YES	NO	
Trappc1	56117228	56118815	68.7	66.7	57.4	56.9	62.5	YES	NO	
Lsm1	56190118	56192730	50.7	27.4	45.0	26.6	33.8	YES	NO	
Eif4a1	56484231	56489739	348.4	422.1	335.2	312.3	307.2	YES	NO	
Rnasek	57077235	57078954	469.0	569.9	502.9	514.6	490.9	YES		
Psm6	57370396	57372704	34.4	25.6	35.8	27.8	24.6	YES		
Pfn1	57531660	57534366	1123.6	1085.2	1133.8	1077.0	1134.6	YES		
Kif1c	57580645	57622517	30.8	31.0	27.8	24.3	19.6	YES		
C1qbp	57881782	57886434	113.0	72.1	96.4	87.7	97.2	YES		
Txn17	59100037	59103010	135.1	107.9	165.1	76.9	81.8	YES		
XAF1	59185149	59196549	8.4	248.9	7.4	252.9	216.8	YES		