

Gene Family	Genes	NPPs	PSGs	NPP-PSGs	Top 4 NPP-PSGs	
Ensembl Families with 3PSGs						
ENSMF000600000921151	6	6	6	6	COL4A6, COL4A2, COL4A4, COL4A5	
ENSMF000250000001219	5	5	5	5	CD1D, CD1C, CD1A, CD1E	
ENSMF000250000000804	4	4	4	4	C6, C7, C8A, C8B	
ENSMF000250000000852	4	4	4	4	GBP6, GBP4, GBP5, GBP3	
ENSMF000500000269596	11	11	4	4	SERPINB3, SERPINB12, SERPINB13, SERPINB9	
ENSMF000500000269665	4	4	4	4	CTSG, GZMB, GZMH, CMA1	
ENSMF000250000000002	89	68	4	3	ZFP37, ZNF473, ZNF677	
ENSMF000250000000948	4	3	4	3	ACOT6, ACOT4, ACOT2	
ENSMF000350000105388	5	5	3	3	CES5A, CES2, CES1	
ENSMF000400000131714	7	6	3	3	SLC22A25, SLC22A14, SLC22A8	
ENSMF000400000131728	7	7	3	3	MMP3, MMP8, MMP1	
ENSMF000470000251442	4	3	4	3	EMR2, EMR3, CD97	
ENSMF000500000269709	5	4	4	3	ITGAL, ITGAX, ITGAM	
ENSMF000500000269927	4	4	3	3	SLC17A3, SLC17A1, SLC17A4	
ENSMF000570000851010	5	4	4	3	NLRP9, NLRP4, NLRP5	
Manually Curated Families				FET p-value		
Toll-like Receptors	8	4	5	3	0.50	TLR8, TLR6, TLR1
Collagen	30	7	22	7	0.08	COL4A6, COL4A2, COL4A4, COL4A5
ADAM Family	42	11	7	4	0.06	ADAM32, ADAM2, ADAM28, ADAM7
Solute Carrier Family	338	51	37	10	0.03	SLC26A3, SLC17A3, SLC17A1, SLC17A4
All Genes	15946	1150	1898	200	0.00	AC090098.1, CDKN2A, FAM26F, ACOT6