

Suppl. Table 4

GO Term	cellualr component 2017b	Overlap	Adjusted P-value	Genes
cytoplasmic side of late endosome membrane (GO:0098560)	3/39	0,0226	HLA-DRB5;HLA-DRB4;ANXA2	
luminal side of late endosome membrane (GO:0098551)	3/36	0,0226	HLA-DRB5;HLA-DRB4;ANXA2	
multivesicular body membrane (GO:0032585)	3/53	0,0375	HLA-DRB5;HLA-DRB4;ANXA2	
lysosomal HOPS complex (GO:1902501)	4/222	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
integral component of lysosomal membrane (GO:1905103)	4/223	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
extrinsic component of lysosome membrane (GO:0032419)	4/222	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
cytoplasmic side of lysosomal membrane (GO:0098574)	4/226	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
lysosomal proton-transporting V-type ATPase complex (GO:004226)	4/226	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
cytolytic granule membrane (GO:0101004)	4/226	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
endolysosome membrane (GO:0036020)	4/233	0,0765	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
phagolysosome membrane (GO:0061474)	4/257	0,1006	HLA-DRB5;HLA-DRB4;ANXA2;GBA	
azurophil granule membrane (GO:0035577)	4/273	0,1094	HLA-DRB5;HLA-DRB4;ANXA2;GBA	

Suppl. Table 5

Wikipathway 2016	Overlap	Adjusted P-value	Genes
Cytoplasmic Ribosomal Proteins_Mus musculus_WP163	3/70	0,0478	RPS25;RPS2;RPS12
Cytoplasmic Ribosomal Proteins_Homo sapiens_WP477	3/89	0,0478	RPS25;RPS2;RPS12
Inflammatory Response Pathway_Mus musculus_WP458	2/30	0,0478	ZAP70;THBS1
Inflammatory Response Pathway_Homo sapiens_WP453	2/30	0,0478	ZAP70;THBS1
Purine metabolism_Mus musculus_WP2185	3/158	0,1217	IMPDH2;POLR2I;GART
TGF-beta Signaling Pathway_Homo sapiens_WP366	2/132	0,2550	STAMBPL1;THBS1