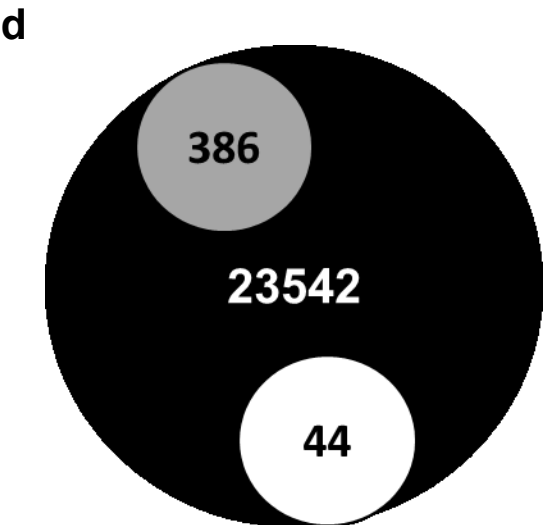
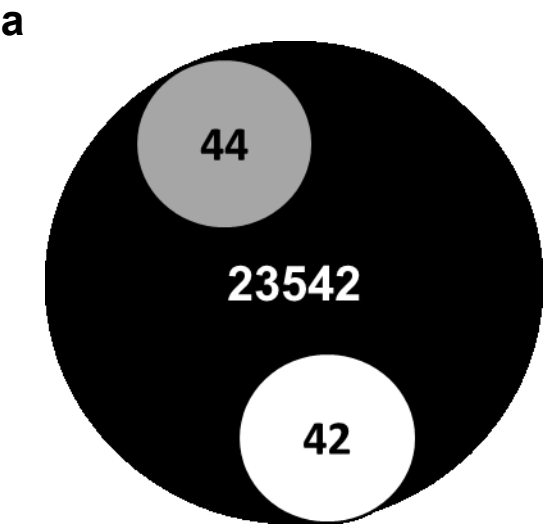


Fig. S2



b

Up regulated	A	B	C	D
NOD-like receptor signaling pathway	**	*	***	***
Estrogen signaling pathway	*	0.03		***
mRNA surveillance pathway	0.03		**	**
Prostate cancer	0.03		**	**
T cell receptor signaling pathway	0.04		**	*
B cell receptor signaling pathway	0.05		**	*

c

Down regulated	A	B	C	D
Lysosome	0.01		***	**

e

Up Regulated	A	B	C	D
Glycosaminoglycan degradation	***	**	***	***
Lysosome	***	***	***	***
Complement and coagulation cascades	***	***	***	***
Parkinson's disease	***	***	***	***
Alzheimer's disease	***	***	***	***
Ribosome	***	***	***	***
Phagosome	***	***	***	***
Rheumatoid arthritis	***	***	***	***
Other glycan degradation	***	***	***	***
Huntington's disease	***	*	***	***
Antigen processing and presentation	***			*
Metabolic pathways	***		***	***

f

Down regulated	A	B	C	D
FoxO signaling pathway	*	*		0.01
ErbB signaling pathway	0.03		**	0.03
Fc gamma R-mediated phagocytosis	0.03		**	0.03
Insulin signaling pathway		**	**	0.05
Fc epsilon RI signaling pathway		0.02	**	0.03