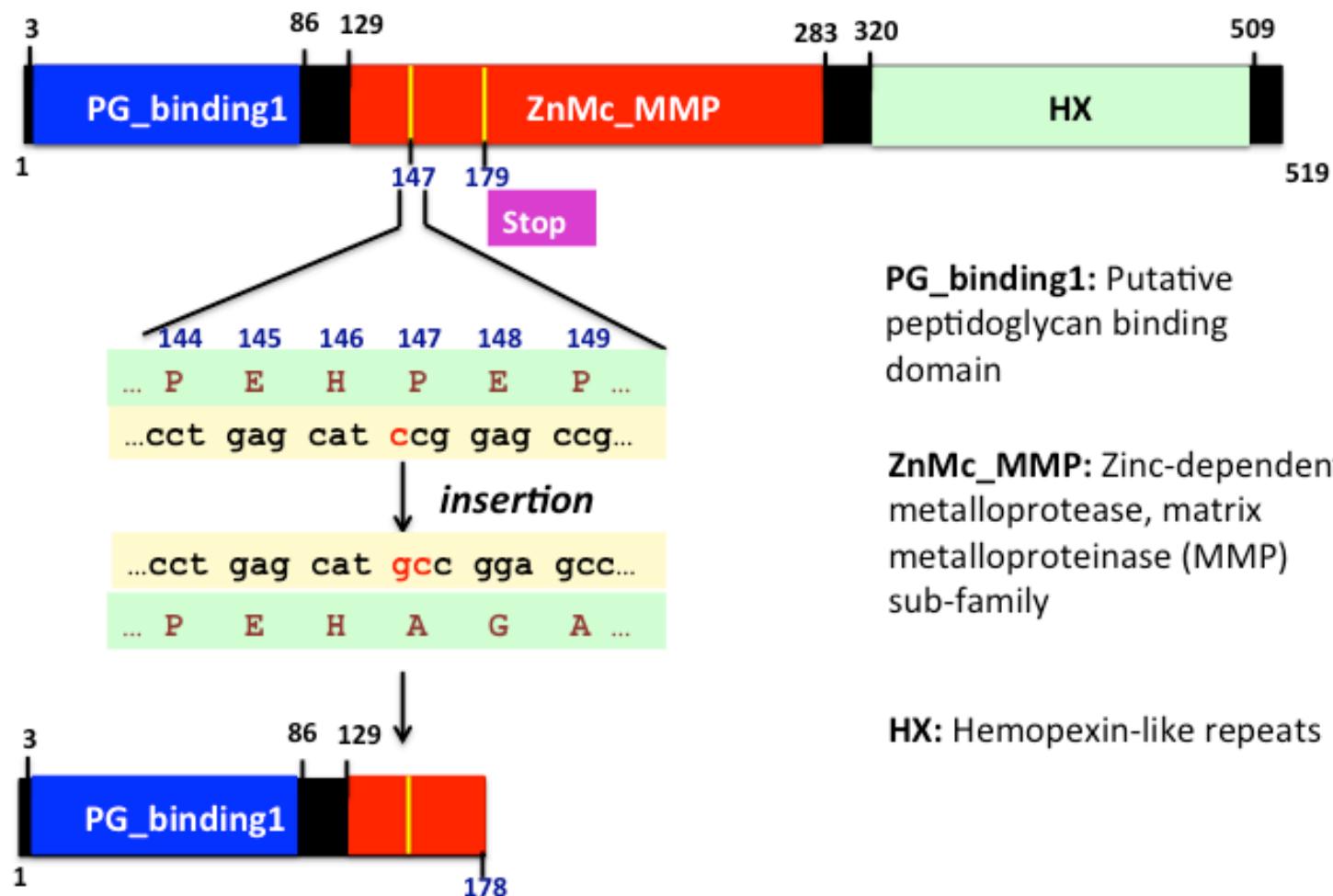


Supplementary Fig. 1

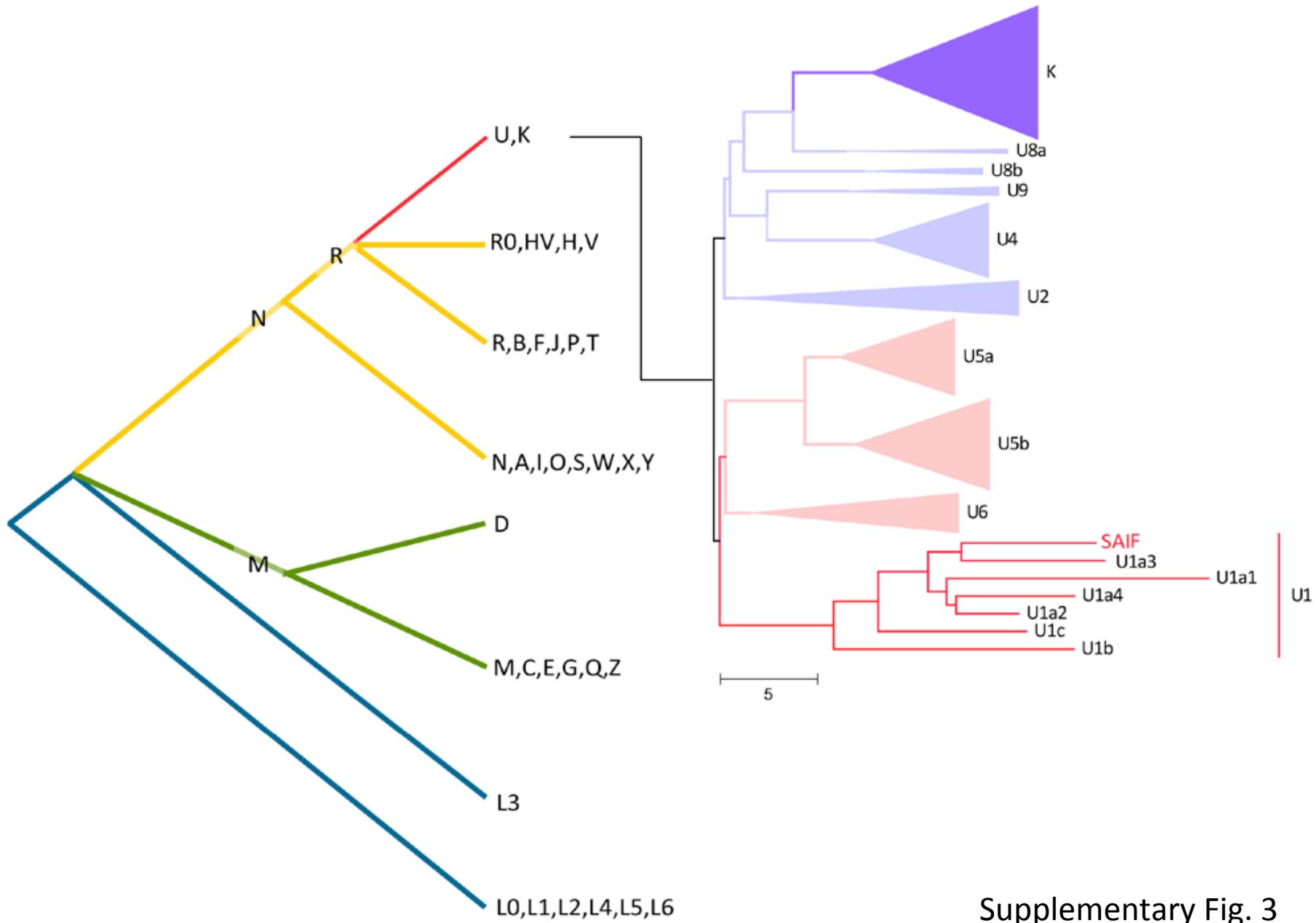
MMP28 protein



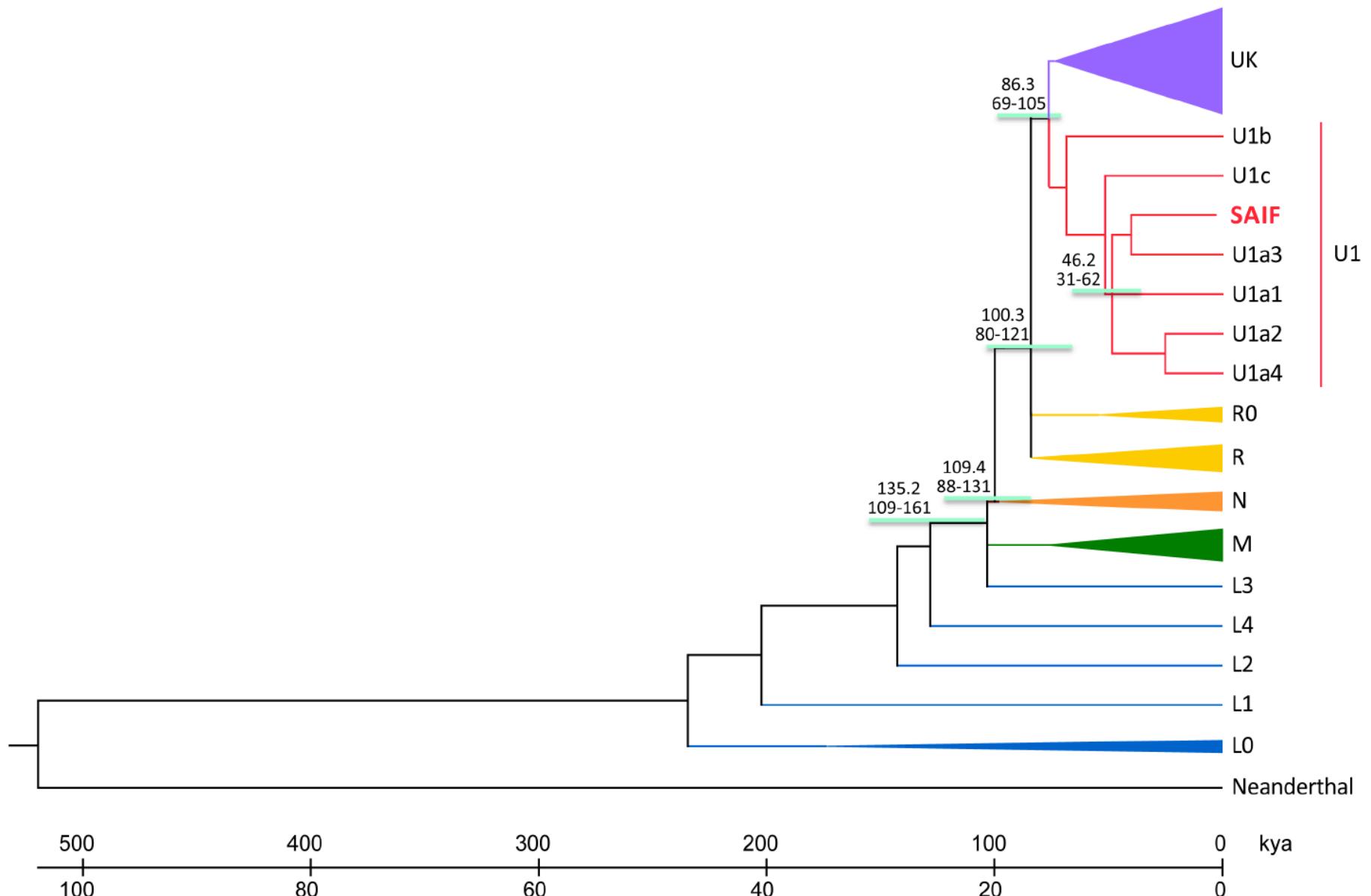
PG_binding1: Putative peptidoglycan binding domain

ZnMc_MMP: Zinc-dependent metalloprotease, matrix metalloproteinase (MMP) sub-family

HX: Hemopexin-like repeats

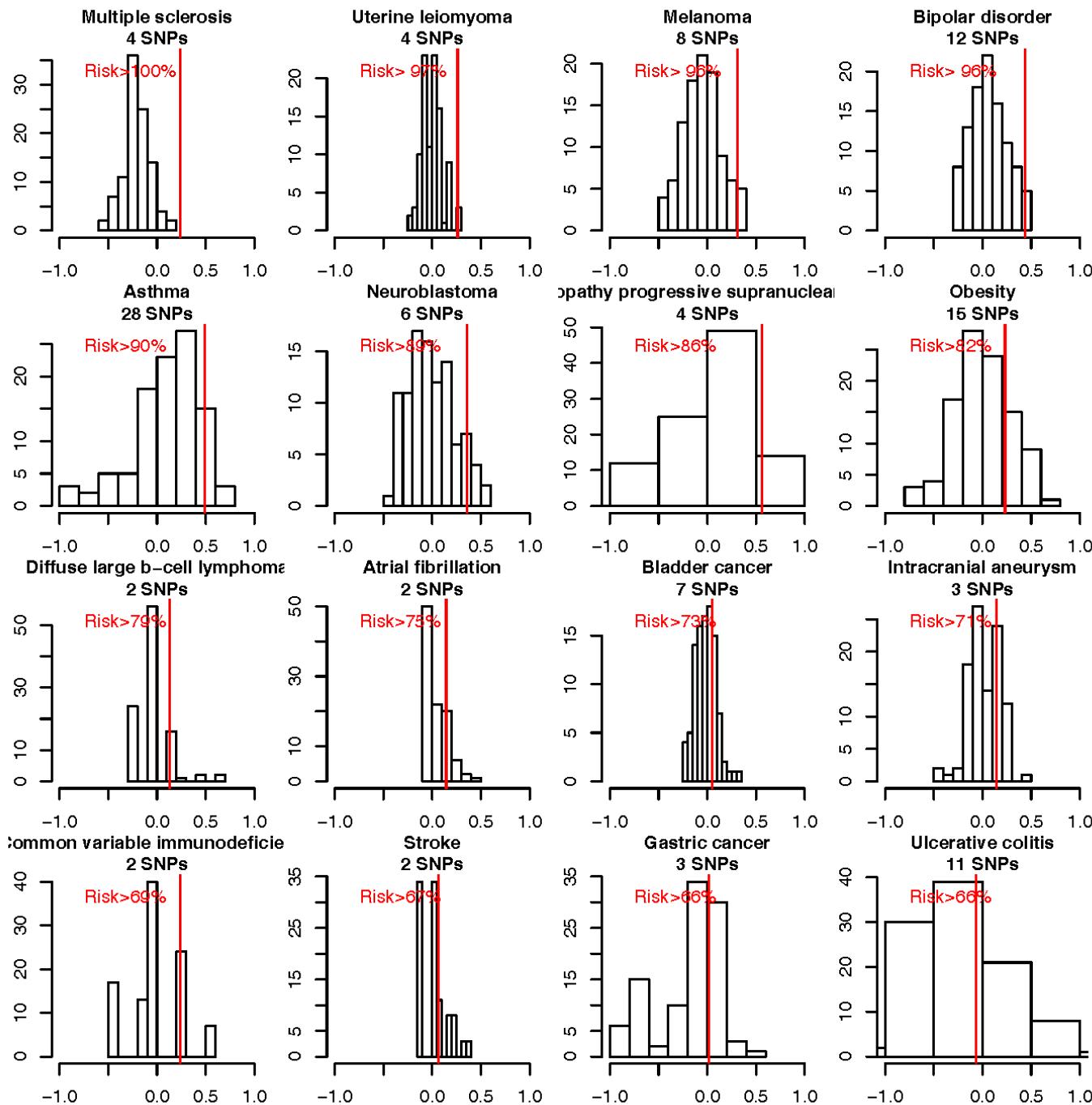


Supplementary Fig. 3

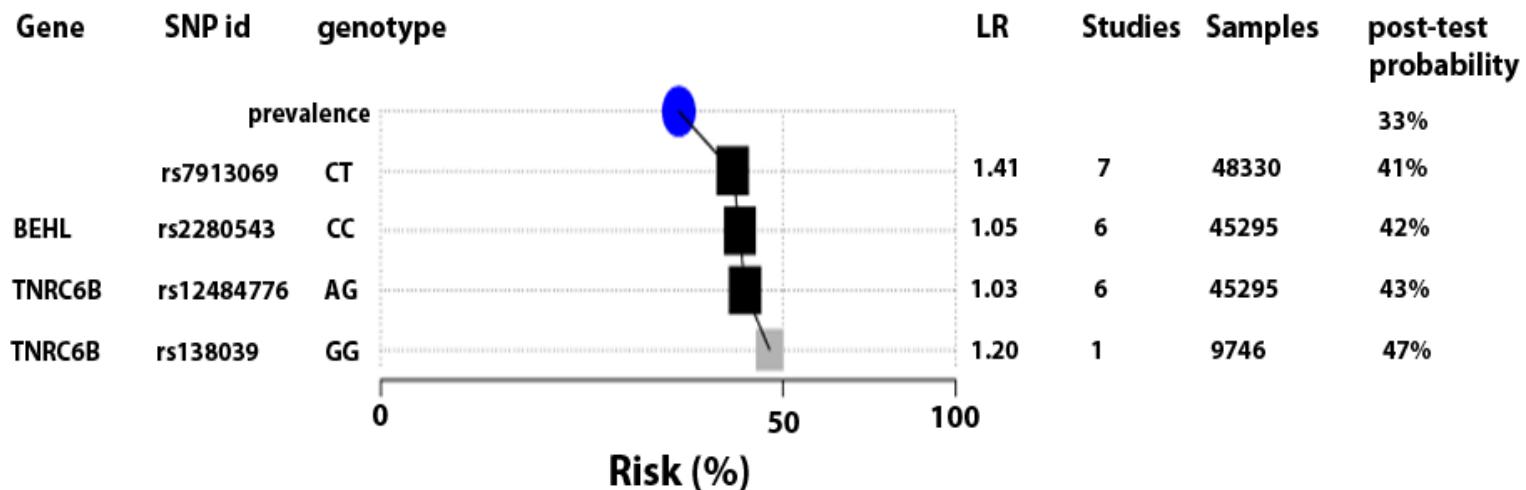


Supplementary Fig. 4

Supplementary Fig. 5



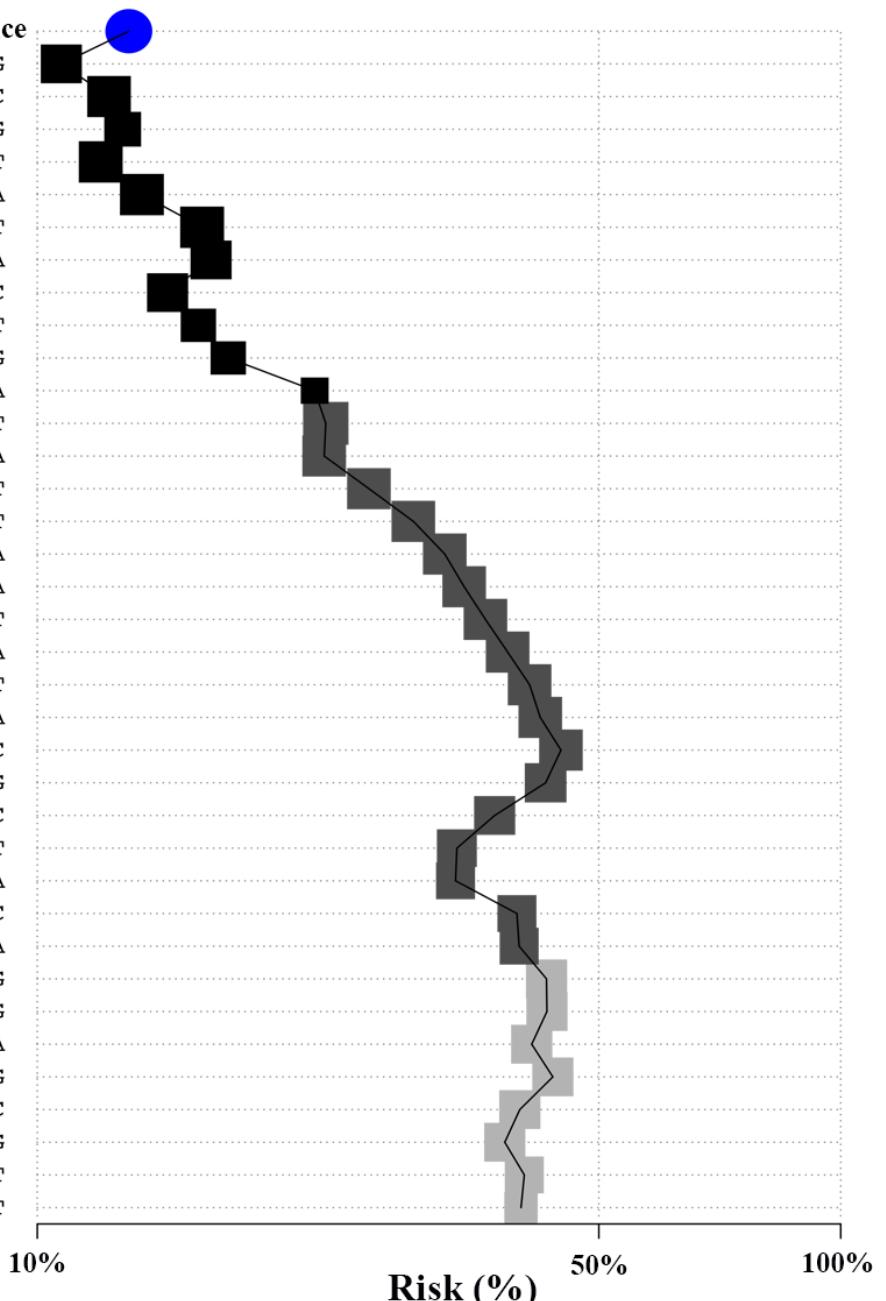
Uterine leiomyoma



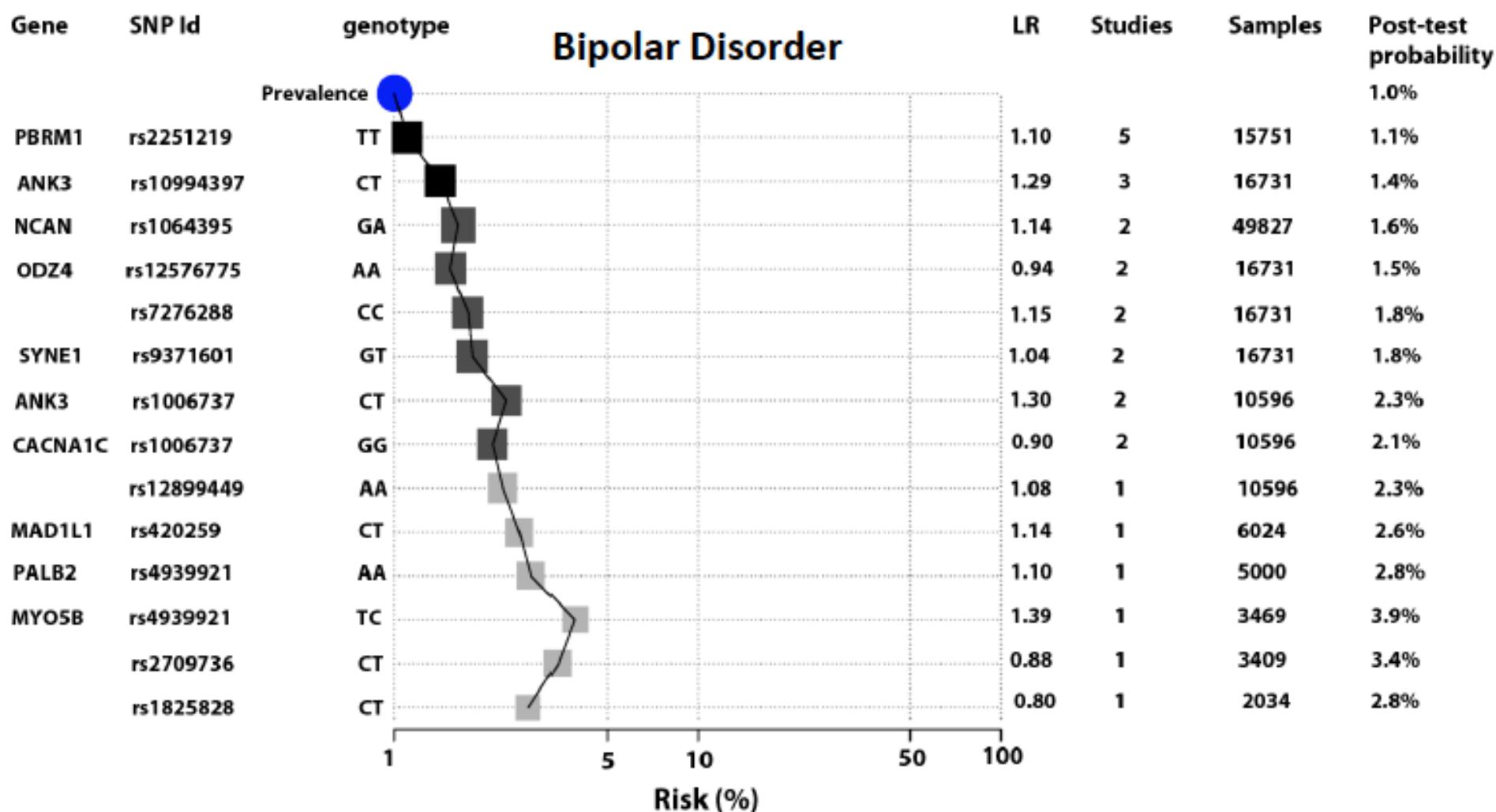
Gene SNP Id Genotype

Asthma

	LR	Studies	Samples	Post-test Probability
GSDMA rs3894194 GG	0.80	6	34622	13%
rs1837253 CC	1.17	4	65330	11%
DENND1B rs1924518 GG	1.05	4	11737	12%
rs1701704 TT	0.93	3	70166	13%
PBX2 rs204993 AA	1.14	3	70166	12%
rs412657 TT	1.22	3	70166	13%
IL18R1 rs3771166 GA	1.03	3	34622	16%
rs1342326 AC	0.86	3	34622	16%
DENND1B rs2111931 TT	1.11	3	8025	15%
CRB1 rs2786098 GG	1.11	3	8025	16%
PDE4D rs1588265 AA	1.36	3	1205	17%
IL1RL1 rs1420101 CT	1.04	2	102962	22%
rs10508372 GA	0.99	2	65330	23%
rs7686660 TT	1.18	2	65330	23%
NOTCH4 rs404860 TT	1.19	2	65330	26%
C6orf10 rs570963 AA	1.14	2	65330	29%
rs3117098 GA	1.09	2	65330	32%
rs3129890 TT	1.10	2	65330	34%
C6orf10 rs3129943 AA	1.11	2	65330	36%
rs7775228 TT	1.11	2	65330	38%
rs9275698 AA	1.11	2	65330	41%
BTNL2 rs10947262 CC	1.05	2	65330	42%
C6orf10 rs10484560 GG	1.11	2	39919	45%
IL13 rs1295686 CC	0.78	2	34622	43%
rs9273349 TT	0.85	2	25735	37%
SMAD3 rs744910 GA	0.99	2	20119	33%
RORA rs11071559 CC	1.32	2	20119	33%
IL2RB rs2284033 GA	1.01	2	20119	40%
GAB1 rs3805236 GG	1.14	1	35083	40%
NOTCH4 rs443198 AG	1.00	1	35083	43%
rs3130299 AA	0.93	1	35083	43%
BTNL2 rs3806156 GG	1.11	1	35083	41%
rs6457617 CC	0.85	1	35083	44%
rs9500927 GG	0.93	1	35083	40%
SLC22A5 rs2073643 TT	1.10	1	20119	38%
rs1882766 CT	0.98	1	4836	40%



Supplementary Fig. 7



Supplementary Fig. 8