

**S6 Table. Domain-based association results, restricted to missense variants in the protein kinase 1 domain-coding region of *TYK2* with MAF<0.5% and predicted to be possibly or probably damaging.**

Test	N variants	P
Burden	7	0.010
VT	7	0.012
FqWT	7	0.006
SKAT-O	7	0.018