

## Supplementary Material to “Searching for ancient balanced polymorphisms shared between Neanderthals and Modern Humans”

**Table S2** –Target genes that could not be matched to at least one similar gene in the exome with respect to exon length, B-value, GC content and number of polymorphisms.

Immune System	Behavior System
<i>ACTB</i>	<i>EIF4G1</i>
<i>ACTG1</i>	<i>HTT</i>
<i>APOB</i>	<i>SHANK1*</i>
<i>C4B_2</i>	<i>TRRAP</i>
<i>C4B</i>	<i>WDFY3</i>
<i>CENPE</i>	<i>KDM6B</i>
<i>DYNC1H1</i>	
<i>DYNC2H1</i>	
<i>EP300</i>	
<i>HLA-A</i>	
<i>HLA-B</i>	
<i>HLA-C</i>	
<i>HLA-DQA1</i>	
<i>HLA-DQB1</i>	
<i>HLA-DRB1</i>	
<i>HLA-DRB5</i>	
<i>KMT2A</i>	
<i>LYST</i>	
<i>MAP1A</i>	
<i>MUC4</i>	
<i>NBEAL2</i>	
<i>NCOA6</i>	
<i>NOTCH1*</i>	
<i>PIK3C2G*</i>	
<i>PKHD1L1</i>	
<i>PRKDC</i>	

\*Genes excluded only from analyses including CpG sites.