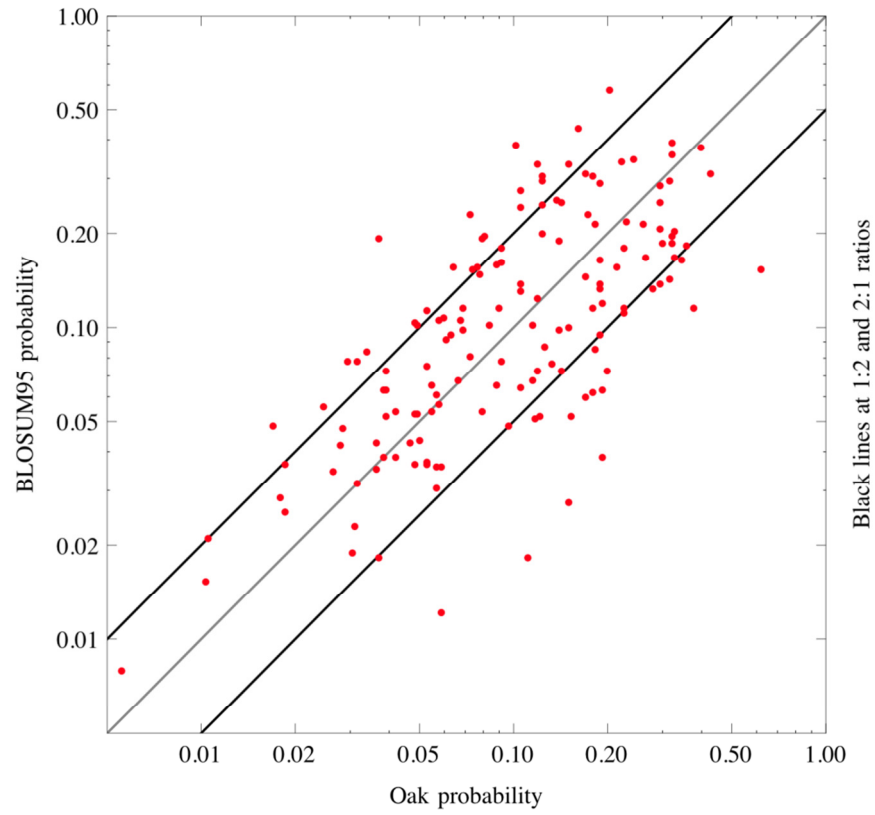


Restrict to AA  $x \rightarrow y$  types that occur in Oak SNP reference  $\rightarrow$  variant, then  
for each  $x$  consider the probability distribution on  $y$  conditioned on  $y \neq x$



**Additional file 13: Concordance of amino acid change distributions between oak and standard NCBI BLOSUM95.**