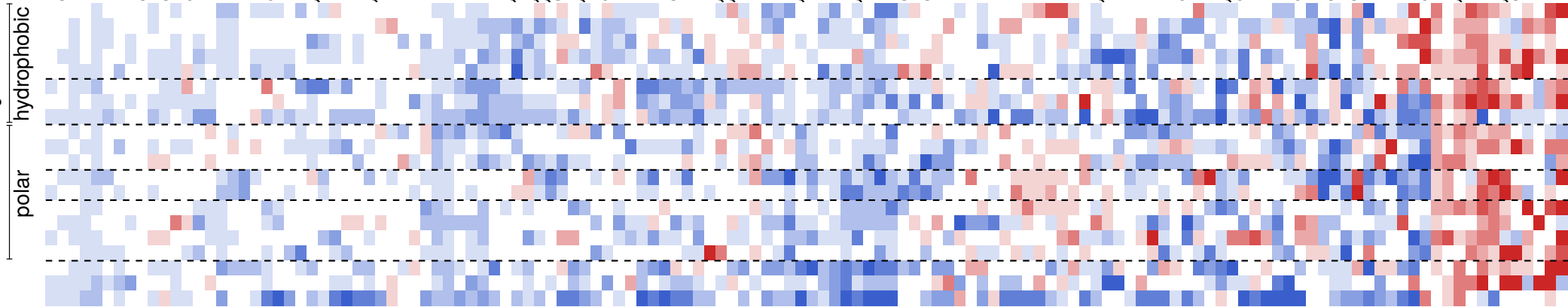


AA residue

A  
V  
L  
I  
M  
F  
Y  
W  
R  
H  
K  
D  
E  
S  
T  
N  
Q  
G  
C  
P

WT

MSHVTKLESRSKGDHHYTEGNMNQEEEEVLPAKLYEDEHDQAQQSEQPGEKRRKSEARQQPLNVIQKRKVQRIRSASTEEDKELKNNKPAEQEAIFFDDGKMKQGTEEECKPSTSLAAIICPVQTKKQSDITE



generally permissive

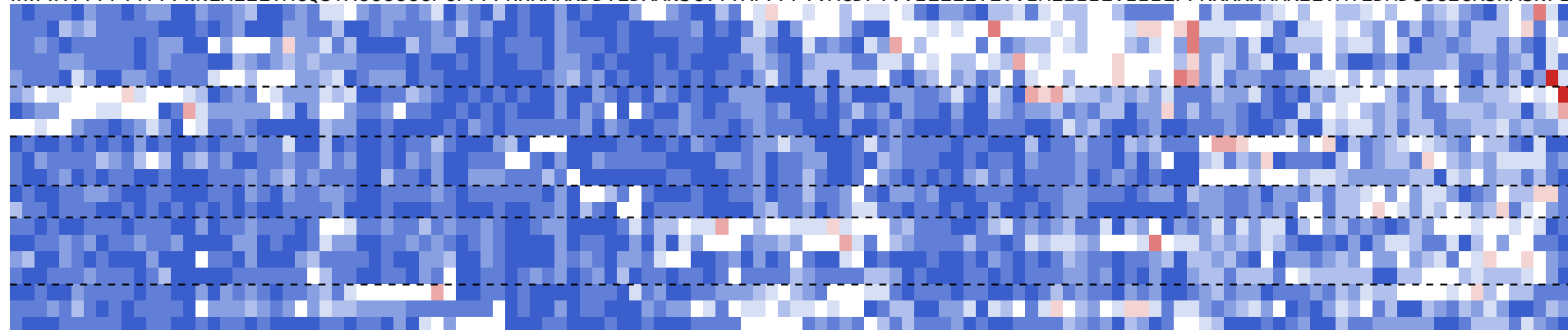
suboptimal

AA residue

A  
V  
L  
I  
M  
F  
Y  
W  
R  
H  
K  
D  
E  
S  
T  
N  
Q  
G  
C  
P

WT

WWFWYFFFFYFFFWNLMLLLYMCQSYAGGGGGGPGPPPHRRRKDDYEDAANSCTTTAPPPPTVACDPTVVILLLLTLVVIMLIILVLIILPPKKKKRKRKEEVMYEDMDGGGEGKSNASNFL



aromatic

L/M

glycine proline

S/T/C/P

aliphatic

positive

semi-restrictive

generally restrictive