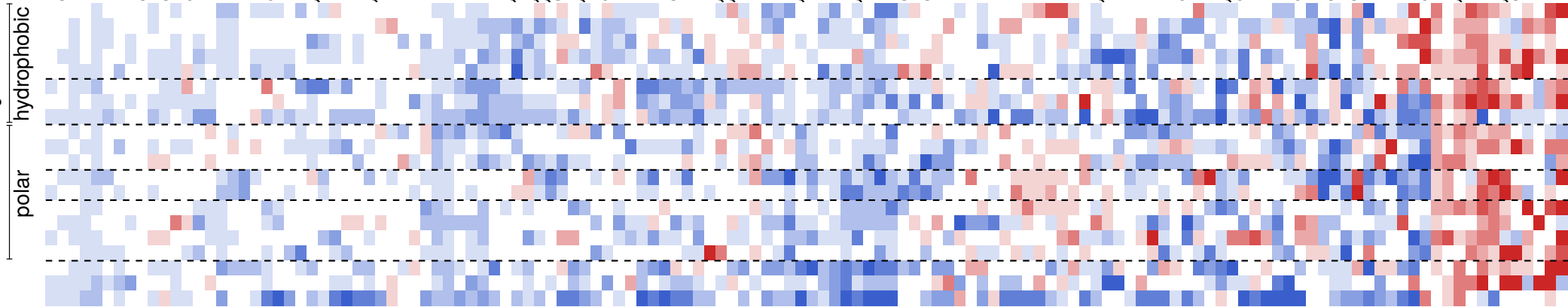


AA residue

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

WT

MSHVTKLESRSKGDHHYTEGNMNEEEVQLPAKLYEDEHDQAQQSEQPGEKRRKSEARQQPLNVIQKRKVQRIRSASTEEDKELKNNKPAEQEAFDDGKMKQGTEEECKPSTSLAAIICPVQTKKQSDITE



generally permissive

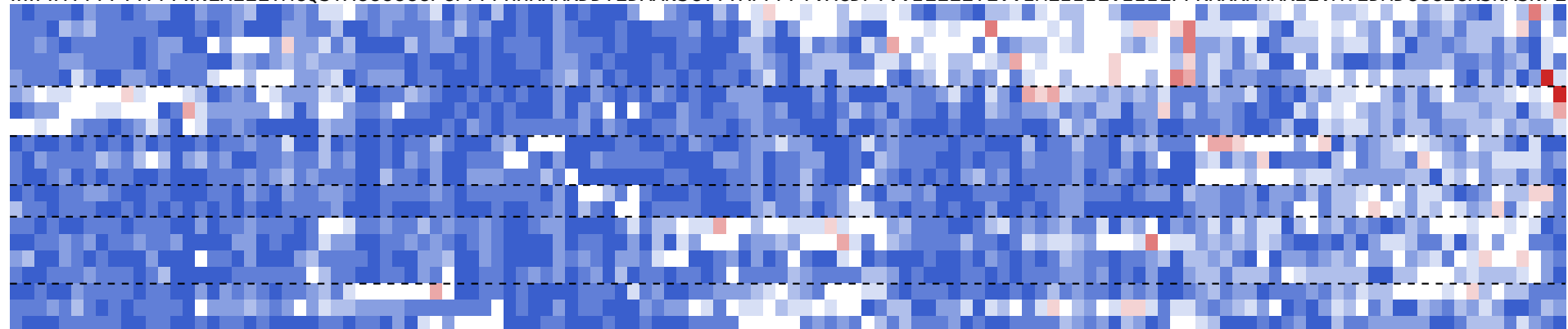
suboptimal

AA residue

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

WT

WWFWYFFFFYFFFWNLMLLLYMCQSYAGGGGGGPGPPPHHRRRKDDYEDAANSCTTTAPPPPTVACDPTVVILLLLTLVVIMLIILVIIILPPKKKKRKRKEEVMYEDMDGGGEGKSNASNFL



aromatic

L/M

glycine proline

S/T/C/P

aliphatic

positive

semi-restrictive

generally restrictive

