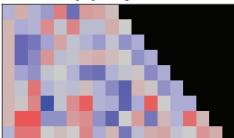


A	1.29		L	1.30
R	0.89		K	1.23
N	0.90		M	1.47
D	1.04		F	1.07
C	1.11		P	0.52
Q	1.27		S	0.82
E	1.44		T	0.82
G	0.56		W	0.99
H	1.22		Y	0.72
I	0.97		V	0.91

(a) alpha



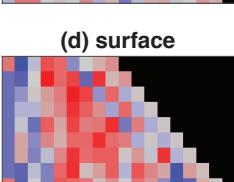
(b) beta

A	0.90		L	1.02
R	0.76		K	0.77
N	0.95		M	0.97
D	0.73		F	1.22
C	0.74		P	0.64
Q	0.80		S	0.95
E	0.75		T	1.21
G	0.92		W	1.14
H	1.08		Y	1.25
I	1.45		V	1.49

(c) turn

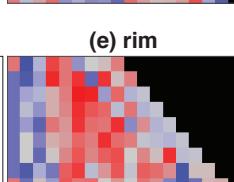
A	0.78		L	0.59
R	0.88		K	0.96
N	0.53		M	0.39
D	0.71		F	0.58
C	0.80		P	1.91
Q	0.97		S	1.33
E	1.00		T	1.03
G	1.64		W	0.75
H	0.69		Y	1.05
I	0.51		V	0.47

(d) surface



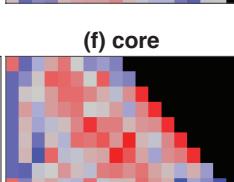
A	0.047		L	0.052
R	0.068		K	0.105
N	0.062		M	0.017
D	0.071		F	0.021
C	0.015		P	0.052
Q	0.053		S	0.072
E	0.094		T	0.064
G	0.071		W	0.007
H	0.022		Y	0.032
I	0.032		V	0.048

(e) rim



A	0.049		L	0.078
R	0.066		K	0.050
N	0.058		M	0.027
D	0.051		F	0.051
C	0.020		P	0.051
Q	0.051		S	0.057
E	0.051		T	0.064
G	0.060		W	0.022
H	0.034		Y	0.070
I	0.047		V	0.049

(f) core

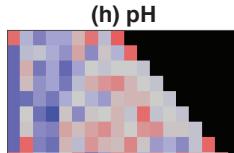


A	0		L	0
R	1		K	1
N	0		M	0
D	-1		F	0
C	0		P	0
Q	0		S	0
E	1		T	-1
G	0		W	1
H	0		Y	0
I	0		V	0

(g) charge

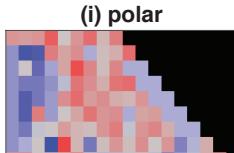
A	2		L	0
R	2		K	2
N	0		M	0
D	-2		F	0
C	-2		P	0
Q	1		S	1
E	-2		T	-1
G	1		W	1
H	1		Y	1
I	0		V	0

(h) pH



A	0		L	0
R	1		K	1
N	1		M	0
D	1		F	0
C	0		P	0
Q	1		S	1
E	1		T	0
G	1		W	1
H	1		Y	1
I	0		V	0

(i) polar



A	1.8		L	3.8
R	-4.5		K	-3.9
N	-3.5		M	-5.9
D	-3.5		F	2.8
C	2.5		P	-1.6
Q	-3.5		S	-0.8
E	-3.5		T	-0.7
G	-4.0		W	-0.9
H	-3.2		Y	-1.3
I	4.5		V	4.2

(j) hydrop

A	67		L	124
R	148		K	135
N	143		M	142
D	91		F	135
C	86		P	90
Q	114		S	73
E	109		T	93
G	48		W	163
H	118		Y	141
I	124		V	105



Pearson Correlation

