

Models	Interface score	Rel. to WT
S21P	-23.566	0.90
S21L	-22.708	0.87
S21F	-22.927	0.88
V22T	-22.407	0.86
Y23C	-21.671	0.83
Y23H	-23.003	0.88
Y23R	-24.063	0.92
A24I	-26.113	1.00
A24T	-23.159	0.89
A24V	-23.408	0.90
W25R	-22.054	0.85
D92G	-22.476	0.86
Y93C	-23.456	0.90
Y93H	-23.69	0.91
Y93R	-25.179	0.97
N94S	-22.644	0.87

N94D	-29.458	1.13
N94G	-21.808	0.84
L113P	-21.062	0.81
D114S	-27.271	1.05
S115F	-24.776	0.95
K116G	-24.477	0.94
V117A	-25.262	0.97
G119D	-22.085	0.85
G119N	-21.286	0.82
G119S	-21.63	0.83
N120D	-22.146	0.85
N120G	-21.696	0.83
N120S	-21.98	0.84
Y121H	-20.046	0.77
Y121R	-21.75	0.83

Y121C	-22.677	0.87
N122S	-21.222	0.81
N122D	-23.116	0.89
N122G	-23.754	0.91
Y123C	-22.568	0.87
Y123R	-23.429	0.90
Y123H	-26.113	1.00
L124S	-22.326	0.86
L124P	-22.347	0.86
Y125C	-21.714	0.83
Y125H	-23.105	0.89
Y125R	-22.897	0.88
R126E	-25.533	0.98
R126G	-23.208	0.89
R126K	-21.023	0.81
L127P	-23.336	0.89

L127S	-22.373	0.86
F128L	-22.657	0.87
F128S	-23.403	0.90
F128P	-24.258	0.93
R129E	-24.938	0.96
R129G	-21.859	0.84
R129K	-24.656	0.95
K130E	-22.32	0.86
K130R	-24.244	0.93
K130G	-25.403	0.97
S131P	-23.849	0.91
S131L	-29.684	1.14
S131F	-23.24	0.89
N132S	-22.683	0.87
N132D	-24.418	0.94

N132G	-21.927	0.84
L133F	-24.147	0.93
L133P	-24.622	0.94
L133S	-22.578	0.87
K134E	-23.829	0.91
K134G	-24.015	0.92
P135F	-23.03	0.88
P135L	-22.745	0.87
E137G	-23.836	0.91
R138K	-21.303	0.82
R138E	-23.57	0.90
R138G	-23.093	0.89
D139N	-24.493	0.94
D139G	-19.872	0.76
D139S	-22.956	0.88
I140V	-24.128	0.93

I140T	-25.095	0.96
I140A	-21.526	0.83
S141P	-21.849	0.84
S141L	-21.805	0.84
T142A	-23.893	0.92
T142V	-23.893	0.92
T142I	-24.438	0.94
E143K	-23.807	0.91
E143G	-22.857	0.88
E143R	-21.768	0.83
I144V	-24.572	0.94
I144A	-21.854	0.84
I144T	-22.779	0.87
Y145C	-25.465	0.98
Y145H	-22.796	0.87

Y145R	-23.461	0.90
Q146R	-23.602	0.90
Q146W	-23.336	0.89
A147T	-23.711	0.91
A147I	-23.379	0.90
A147V	-23.725	0.91
G148D	-22.512	0.86
G148S	-23.939	0.92
G148N	-21.712	0.83
S149D	-26.987	1.03
S149N	-22.9	0.88
S149G	-23.229	0.89
T150A	-23.397	0.90
T150I	-23.568	0.90
T150M	-22.564	0.87
T150V	-22.802	0.87

P151S	-22.806	0.87
P151F	-24.284	0.93
P151L	-21.737	0.83
C152Y	-21.698	0.83
C152R	-22.429	0.86
C152H	-23.715	0.91
N153D	-23.204	0.89
N153G	-25.555	0.98
N153S	-24.665	0.95
G154D	-23.429	0.90
G154S	-23.157	0.89
G154N	-22.964	0.88
V155I	-23.666	0.91
V155T	-27.463	1.05
V155A	-23.669	0.91

E156K	-22.448	0.86
E156G	-24.219	0.93
E156R	-26.746	1.03
G157D	-24.067	0.92
G157S	-23.959	0.92
G157N	-22.823	0.88
F158L	-20.19	0.77
F158S	-22.846	0.88
F158P	-22.845	0.88
N159D	-23.107	0.89
N159G	-23.836	0.91
N159S	-24.882	0.95
C160Y	-22.439	0.86
C160R	-22.95	0.88
C160H	-25.089	0.96
Y161C	-25.548	0.98

Y161R	-21.794	0.84
Y161H	-26.11	1.00
F162L	-24.748	0.95
F162S	-22.923	0.88
F162P	-25.352	0.97
P163F	-23.046	0.88
P163L	-25.16	0.96
L164S	-23.66	0.91
L164P	-23.821	0.91
Q165R	-21.793	0.84
Q165W	-25.045	0.96
S166P	-25.772	0.99
S166L	-23.286	0.89
Y167C	-24.917	0.96
Y167H	-24.241	0.93