Supplemental Table 3. Specific amino acid residues in HSV-1 UL37 with protein-, RNA- and DNA-binding potential. Predicted disordered amino acid residues with protein-, DNA-, and RNA- binding scores ranging from 0.300 to 1.000.

Disordered amino acid residue	Protein binding score	DNA binding score	RNA binding score
E9	0.365	1.000	0.947
A10	0.347	1.000	0.890
T14	0.712	1.000	0.804
T15	0.712	1.000	0.783
S16	0.719	1.000	0.783
P17	0.719	1.000	0.723
A18	0.719	0.465	0.494
G19	0.697	0.465	0.533
P20	0.733	0.465	0.533
P21	0.726	0.465	0.533
S22	0.727	1.000	0.764
D23	0.707	1.000	0.773
G24	0.708	1.000	0.805
P25	0.684	1.000	0.816
P39	0.659	1.000	0.762
P40	0.660	1.000	0.761
T41	0.660	1.000	0.738
P42	0.660	1.000	0.791
T43	0.660	0.465	0.529
A44	0.582	0.465	0.498
E45	0.614	0.465	0.503
T46	0.671	0.465	0.494
A47	0.672	1.000	0.725
N48	0.647	1.000	0.771
G49	0.647	1.000	0.769
A50	0.604	1.000	0.760
P974	0.374	1.000	0.826
P975	0.375	1.000	0.781
Q976	0.375	1.000	0.760
S977	0.375	1.000	0.781
P978	0.375	1.000	0.767
A979	0.375	1.000	0.762
A980	0.360	1.000	0.773
A1050	0.305	1.000	0.911
G1051	0.300	1.000	0.932
G1064	0.512	1.000	0.938
S1066	0.645	1.000	1.000
L1067	0.645	1.000	0.967
P1068	0.645	1.000	0.959
A1069	0.645	1.000	0.980
P1070	0.657	1.000	0.972
M1071	0.665	1.000	0.965
P1072	0.668	1.000	0.960

M1073	0.668	1.000	0.939
Q1076	0.683	1.000	0.965
K1077	0.683	1.000	0.954
P1078	0.683	1.000	0.919
E1079	0.731	1.000	0.649
A1080	0.765	0.465	0.656
Y1081	0.778	0.465	0.643
G1082	0.802	0.465	0.664
H1083	0.815	0.465	0.664
G1084	0.896	0.465	0.640
P1085	0.896	0.465	0.557
R1086	0.862	0.465	0.619
Q1087	0.864	0.465	0.585
A1088	0.986	0.300	0.519
D1089	0.934	0.300	0.492
R1090	0.816	0.300	0.463
E1091	0.827	0.300	0.463
G1092	0.828	0.300	0.500
A1093	0.784	0.300	0.513
P1094	0.779	0.300	0.492
H1095	0.715	0.300	0.513
S1096	0.691	0.300	0.492
N1097	0.705	0.300	0.564
T1098	0.688	0.300	0.607
P1099	0.683	0.300	0.628
V1100	0.668	0.835	0.928
E1101	0.668	0.835	0.928
D1102	0.668	0.835	0.907
D1103	0.668	0.835	0.914
G1064	0.512	1.000	0.938
S1066	0.645	1.000	1.000
L1067	0.645	1.000	0.967
P1068	0.645	1.000	0.959
A1069	0.645	1.000	0.980
P1070	0.657	1.000	0.972
M1071	0.665	1.000	0.965
P1072	0.668	1.000	0.960
M1073	0.668	1.000	0.939
Q1076	0.683	1.000	0.965
K1077	0.683	1.000	0.954
P1078	0.683	1.000	0.919
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A1080	0.765	0.465	0.649
Y1081	0.778	0.465	0.656
G1082	0.802	0.465	0.643
H1083	0.815	0.465	0.664
G1084	0.896	0.465	0.664
P1085	0.896	0.465	0.640
R1086	0.862	0.465	0.557

Q1087	0.864	0.465	0.619
A1088	0.986	0.300	0.585
D1089	0.934	0.300	0.519
R1090	0.816	0.300	0.492
E1091	0.827	0.300	0.463
G1092	0.828	0.300	0.500
A1093	0.784	0.300	0.513
P1094	0.779	0.300	0.492
H1095	0.715	0.300	0.513
S1096	0.691	0.300	0.492
N1097	0.705	0.300	0.564
T1098	0.688	0.300	0.607
P1099	0.683	0.300	0.628
V1100	0.668	0.835	0.928
E1101	0.668	0.835	0.928
D1102	0.668	0.835	0.907
D1103	0.668	0.835	0.914
E1108	0.525	0.525	0.877
D1109	0.532	0.532	0.900
V1111	0.672	0.672	0.806
P1113	0.664	0.664	0.757
P1114	0.667	0.667	0.723
T1115	0.667	0.667	0.762
D1116	0.681	0.681	0.323
L1117	0.681	0.681	0.323
P1118	0.670	0.670	0.308
L1119	0.848	0.848	0.300
T1120	0.848	0.848	0.317
S1121	0.863	0.863	0.307
Y1122	0.995	0.995	0.361
Q1123	1.000	1.000	0.409