Electronic Supplementary Material (ESI) for Molecular BioSystems.
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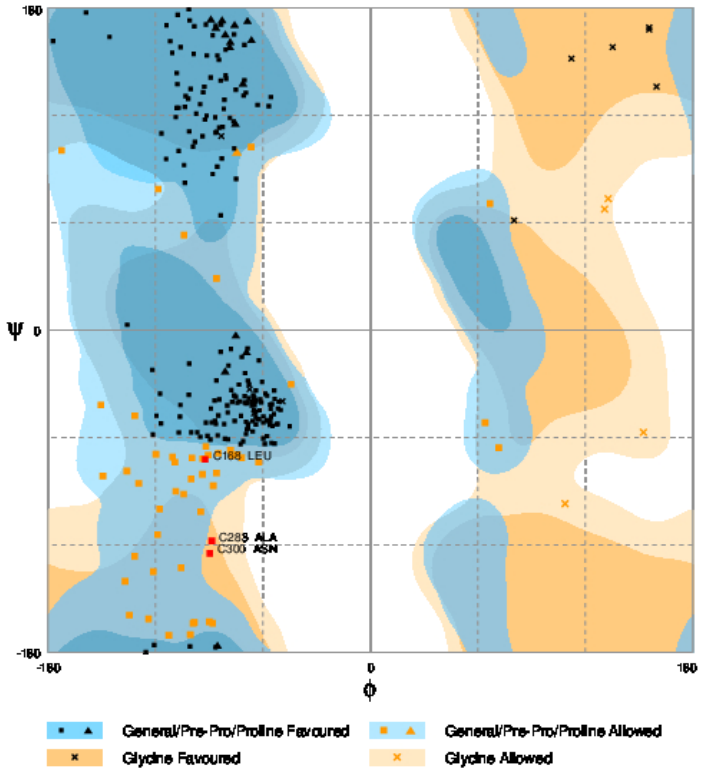
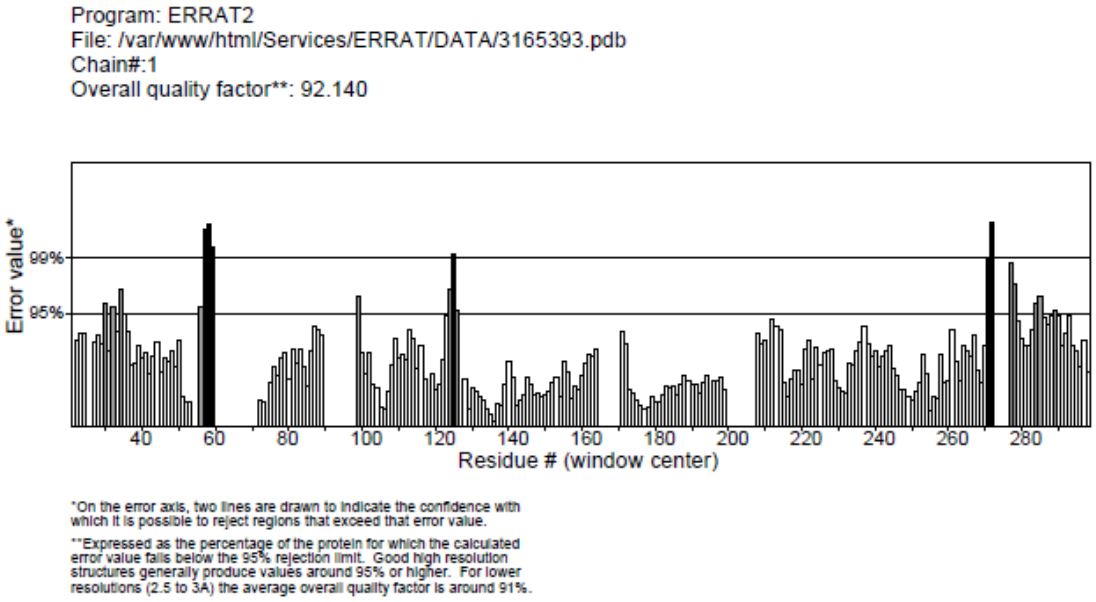
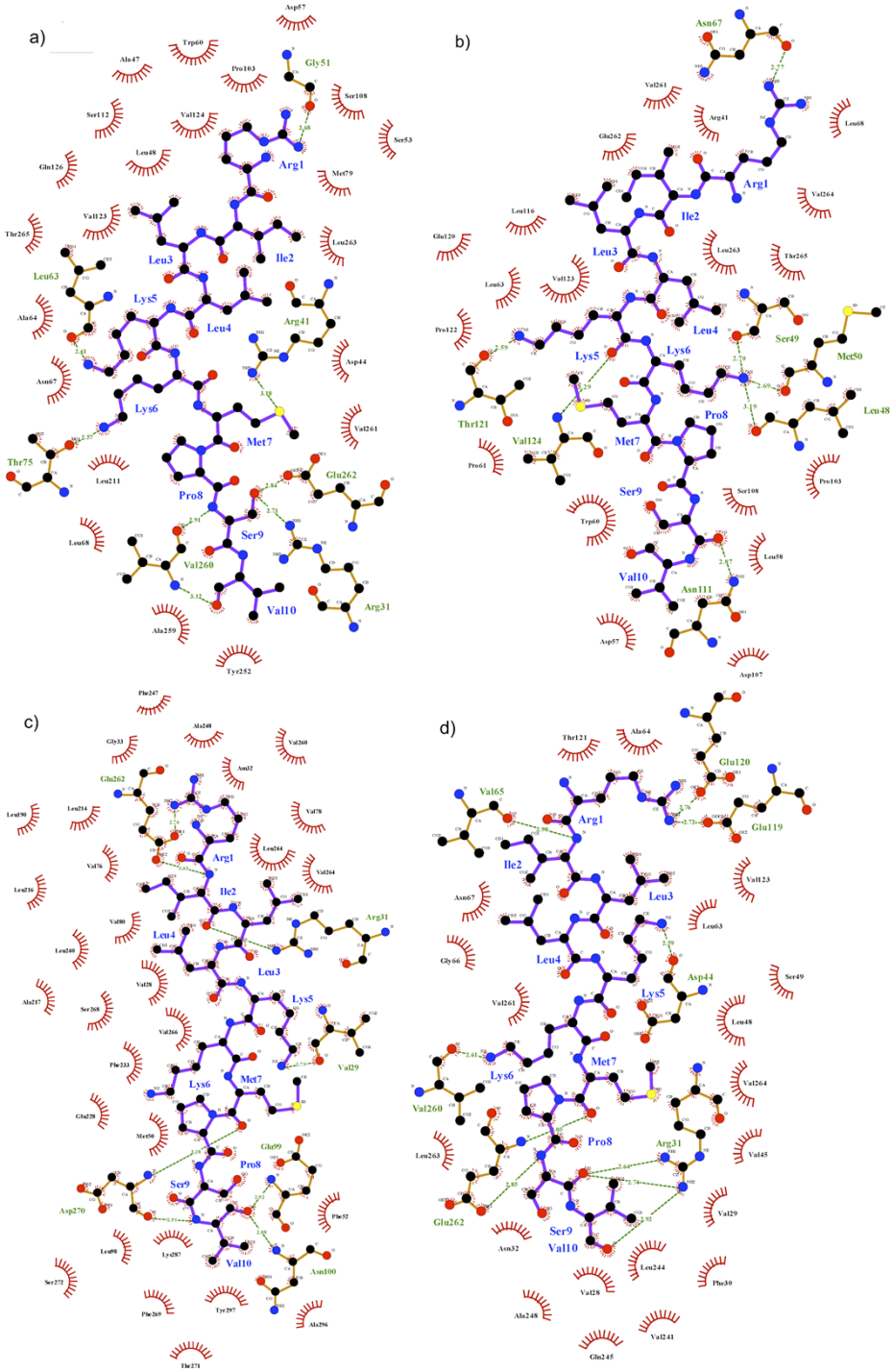
Supplementary information



S-1 Ramachandran plot of the amino acids that make up the receptor (PRR)



S-2. Plot ERRAT quality model (PRR) obtained by molecular modeling


a)
Asp57
Trp60
Ala47
Pro103
Gly51
Ser108
Ser112
Val124
Ser53
Arg1
Gln126
Leu48
Met79
Val123
Thr265
Leu263
Leu3
Ile2
Leu63
Lys5
Leu4
Arg41
Ala64
Asp44
Asn67
Lys6
Val261
Met7
Thr75
Leu211
Glu262
Pro8
Leu68
Ser9
Val260
Arg31
Val10
Ala259
Tyr252
b)
Asn67
Val261
Arg41
Leu68
Glu262
Arg1
Val264
Ile2
Leu116
Glu120
Leu3
Leu263
Thr265
Leu63
Val123
Pro122
Leu4
Ser49
Lys5
Lys6
Met50
Thr121
Pro8
Leu48
Val124
Met7
Pro61
Ser9
Pro103
Ser108
Trp60
Leu58
Val10
Asn111
Asp57
Asp107
c)
Phe247
Ala248
Gly33
Val260
Asn32
Glu262
Leu214
Val178
Leu190
Arg1
Leu244
Val264
Val176
Leu216
Ile2
Arg31
Val180
Leu4
Leu240
Leu3
Val128
Lys5
Ala217
Ser268
Val266
Val29
Phe233
Lys6
Met7
Glu129
Met50
Glu99
Pro8
Ser9
Asp270
Phe32
Leu98
Lys287
Val10
Asn100
Ser272
Phe265
Tyr297
Ala296
Thr271
d)
Thr121
Ala64
Glu120
Val165
Arg1
Glu119
Ile2
Val123
Leu3
Asn67
Leu63
Gly66
Leu4
Asp44
Ser49
Lys5
Val261
Leu48
Met7
Lys6
Val264
Val260
Pro8
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Ala248
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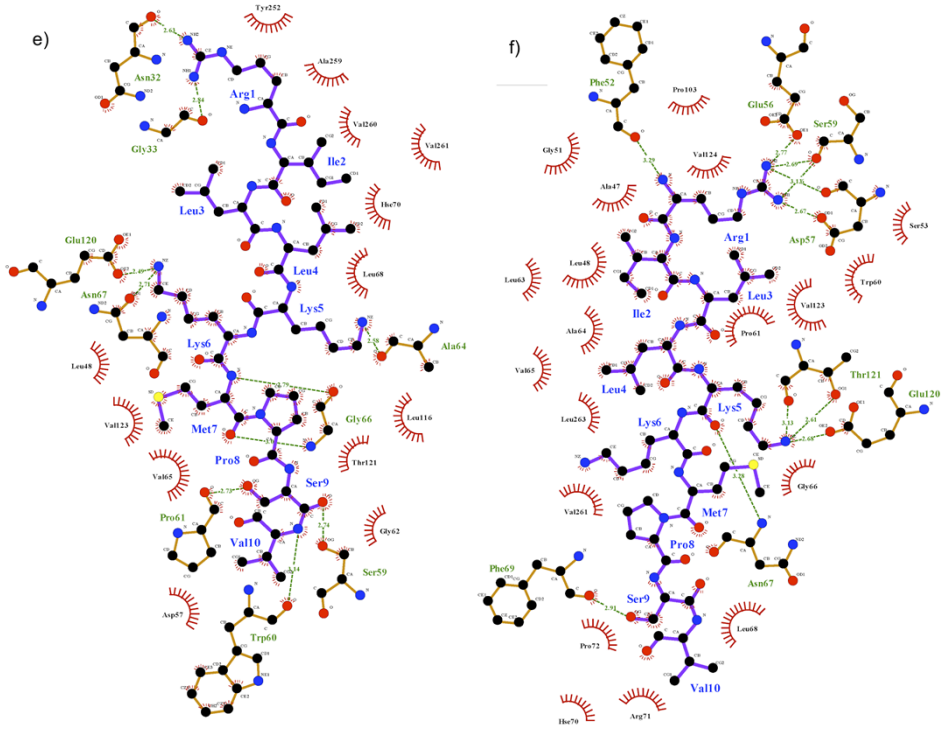
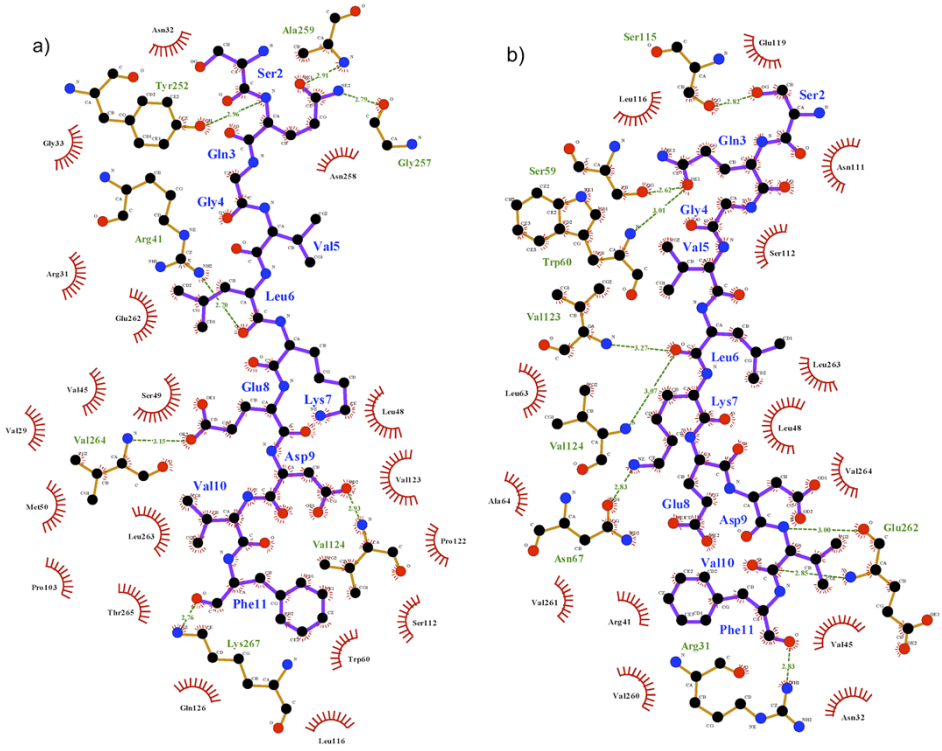
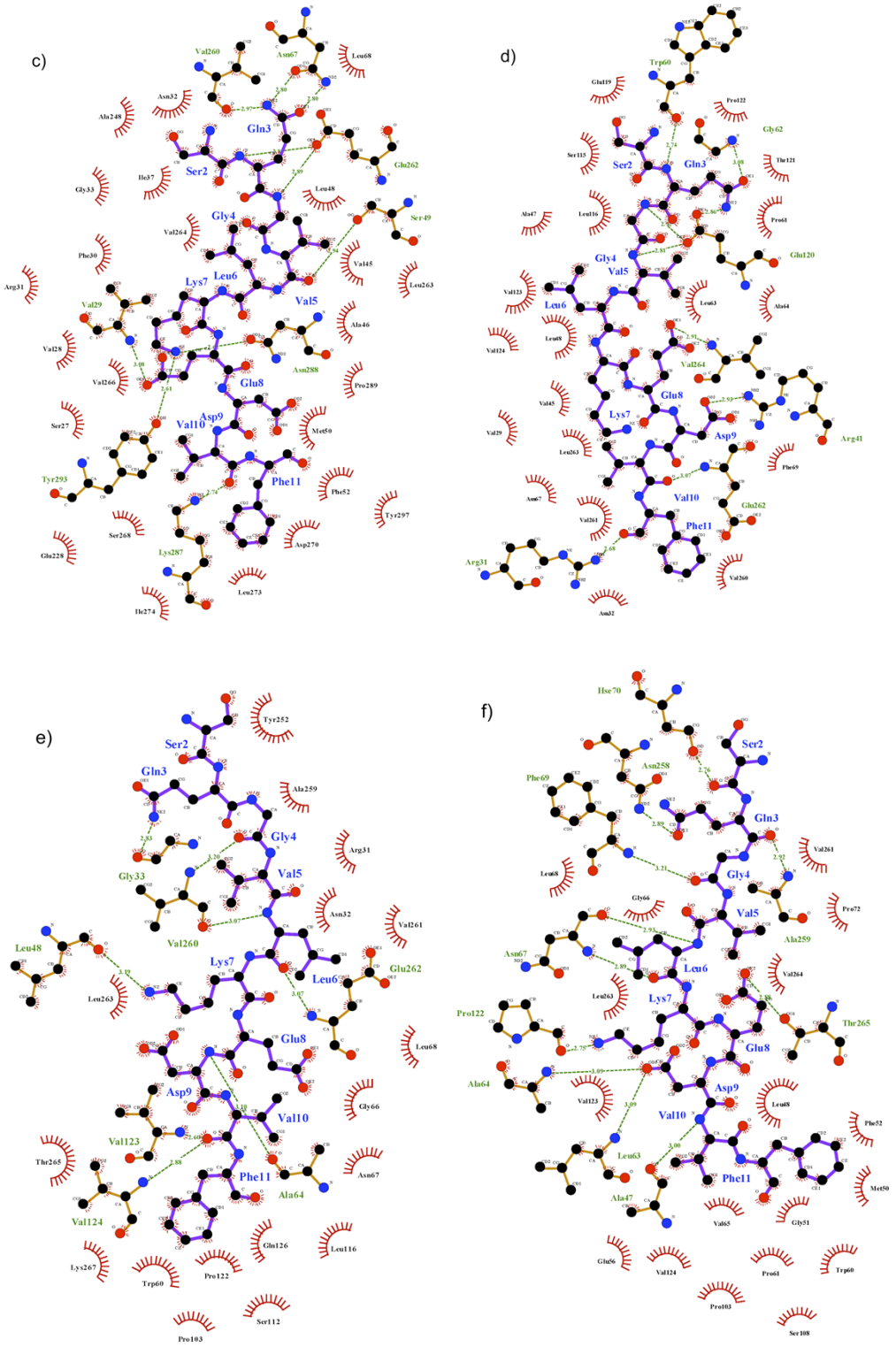
Gln245



S-3. Aminoacids residues that formed binding site predicted on the PRR and main interactions obtained for the peptide RILLKKMPSV with PRR.





S-4. Aminoacids residues that formed binding site predicted on the PRR and main interactions obtained for the peptide SQGVLKEDVF with PRR.