Supplementary material

Formulae

$$(P_i)^{SSE} = (n_{i,sse,int}/N_{sse,int}) / (n_{i,sse,total}/N_{sse,total}) \quad \longrightarrow \quad (1)$$

where $n_{i,sse,int}$ and $N_{sse,int}$ are the counts of residue i and of all residues belonging to a particular secondary structure type in the interface, respectively; $n_{i,sse,total}$ and $N_{sse,total}$ are the corresponding counts in the entire tertiary structure.

Tables

PDB	Res (Å)[a]	Chain ID (length)[b] Amino acids	Nucleotides	Complete assembly[c]
1a9n	2.4	B(96)	Q(24)	1+
1c0a	2.4	A(585)	B(77)	1
1dfu	1.8	P(94)	M(19),N(19)	1
1di2	1.9	A(69)	C(10),D(10)	2
1f7u	2.2	A(607)	B(76)	1
1ffy	2.2	A(917)	T(75)	1
1fxl	1.8	A(167)	B(9)	1
1gtf	1.8	A(74)	W(55)	22
1hc8	2.8	A(76)	C(58)	2
1hq1	1.5	A(105)	B(49)	1
1i6u	2.6	A(130)	C(37)	2
1jid	1.8	A(128)	B(29)	1
1k8w	1.9	A(327)	B(22)	1
1knz	2.5	A(164)	W(5)	8
1m8x	2.2	A(349)	C(8)	2
1ooa	2.5	A(326)	C(29)	2
1pgl	2.8	2(185)	3(6)	2 * 60
1q2r	2.9	A(386)	E(44)	4
1qf6	2.9	A(642)	B(76)	1
1r9f	1.9	A(136)	B(21),C(21)	1
1sds	1.8	A(117)	D(15)	3
1si2	2.6	A(149)	B(9)	1
1u0b	2.3	B(461)	A(74)	1
1wpu	1.5	A(147)	C(7)	2
1xok	3.0	D(26)	A(30),B(9)	2
1yvp	2.2	A(538)	G(10)	2
1zbh	3.0	A(299)	E(20),F(20)	4
1zbi	1.9	A(142)	C(12)	2
1zh5	1.9	B(195)	C(9)	2
1zjw	2.5	A(553)	B(75)	1
2anr	1.9	A(178)	B(25)	1
2asb	1.5	A(251)	B(11)	1
2az0	2.6	A(73)	C(18),D(18)	2
2b3j	2.0	A(159)	E(16)	4
2bgg	2.2	A(427)	P(8),Q(8)	2
2bh2	2.2	A(433)	C(37)	2
2bu1	2.2	C(129)	S(19)	3

2db3	2.2	A(434)	E(10)	4
2dra	2.5	A(437)	B(34)	1
2dxi	2.2	A(468)	C(75)	2
2f8k	2.0	A(88)	B(16)	1
2fz2	2.9	C(189)	D(3)	3 * 60
2g4b	2.5	A(172)	B(7)	1
2gic	2.9	D(422)	R(45)	5 * 2
2gjw	2.9	A(313)	E(19),F(12)	4
2gxb	2.3	A(66)	E(7)	2
2hw8	2.1	A(228)	B(36)	1
2ipy	2.8	A(888)	C(30)	2
2q66	1.8	A(525)	X(5)	1
2uwm	2.3	A(258)	D(23)	2

Table 1: List of protein-RNA complexes. [a]Resolution of the Xray data. [b]Corresponds to the basic unit of the protein involved. [c] Complete assembly indicates how many times the basic unit is repeated to generate the biological unit according to NDB [18]. A '+' sign indicates that the assembly contains additional protein chains.

Feature	Protein-protein	Protein-DNA	Protein-RNA
Interface area (Å^2) – total	1906±759	2039±886	2103±1285
– due to protein	953	1014±440	1071±677
No. of SSSs	9.6	11.0	14.2
No. of SSSs per 1000Å^2 interface area	11.0	10.8	13.3
No. of helices	2.1	3.4	4.3
Helix length	4.8	5.6	4.6
No. of strands	2.8	2.6	3.6
Strand length	2.4	2.5	1.9
No. of NR segments	4.7	5.5	6.3
Length of NR segments	3.3	3.5	3.2

Table 2: Statistics on secondary structural segments in interfaces. For PP complexes both the components were taken together to get the average values [16]. These have been halved to facilitate comparison with the protein component of PD and PR complexes. Interface area for PP complexes is taken from [5]; the value "due to protein" corresponds to one component only.