XP_023423550.1

A:1

1
663

Architecture 1

	from	to	i-eval	score
A:1	123	625	1.8e-45	145.9

XP_023423580.1

C:1   A:1   PP-binding:2C:2   A:2   PP-binding:3C:3   **Architecture 1**

1   2560

	from	to	i-eval	score
C:1	43	312	1.8e-29	93.5
A:1	483	937	7.6e-118	384.6
PP-binding:2	971	1038	7e-15	45.7
C:2	1073	1336	1.4e-59	192.3
A:2	1522	2000	1.9e-158	518.4
PP-binding:3	2037	2104	7.7e-20	61.6
C:3	2141	2421	2e-58	188.6

XP_023423958.1

A:1   A:2

1   708   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	99	308	5.4e-14	42.1
A:2	402	629	1.5e-11	34.1

XP_023424045.1

A:1

1   459   **Architecture 1**

	from	to	i-eval	score
A:1	243	375	7.9e-05	11.9

XP_023424681.1

A:2

1   719
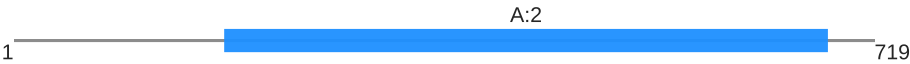
Architecture 1

	from	**to**	**i-eval**	**score**
A:2	177	679	1.4e-40	129.7

XP_023425082.1

A:1
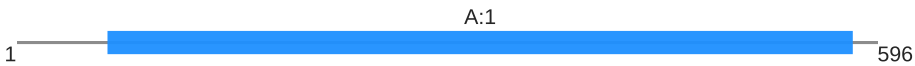
1 ████████████████████████████ 596   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	64	578	6.1e-52	167.2

XP_023425183.1

A:1

PP-binding:1

1   1075

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	74	375	1.2e-17	54.2
PP-binding:1	590	663	8.8e-09	26.2

XP_023425329.1

A:1　　　　　　　PP-binding:1

1　　　　　　　　　　　　　　　　　　　　　　　1057　　　　**Architecture 1**
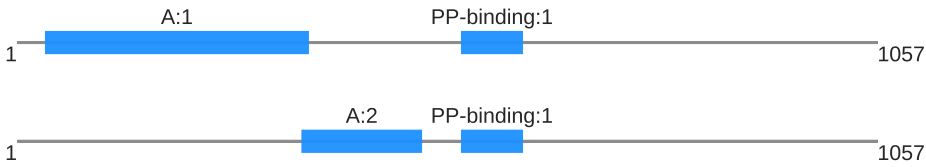
A:2　　PP-binding:1

1　　　　　　　　　　　　　　　　　　　　　　　1057　　　　**Architecture 2**

	from	**to**	**i-eval**	**score**
A:1	36	357	4.8e-17	52.2
A:2	351	496	0.00052	9.2
PP-binding:1	547	620	5.2e-09	26.9

XP_023425441.1

C:1 A:1 PP-binding:1 C:2 C:3 A:2 PP-binding:2 C:4 A:3 PP-binding:3 C:5 A:4 PP-binding:4 C:6

1   5084
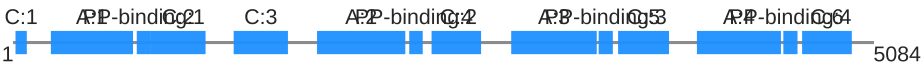
Architecture 1

	from	to	i-eval	score
C:1	19	70	0.072	3.0
A:1	228	698	6.5e-148	483.7
PP-binding:1	736	804	9.8e-16	48.5
C:2	820	1127	4e-34	108.8
C:3	1309	1614	8.9e-58	186.4
A:2	1802	2308	1.1e-160	525.8
PP-binding:2	2347	2411	2e-19	60.3
C:4	2479	2756	1.7e-64	208.5
A:3	2950	3440	2.1e-143	468.9
PP-binding:3	3467	3535	1.8e-16	50.8
C:5	3582	3867	5.5e-57	183.8
A:4	4048	4529	1.1e-147	482.9
PP-binding:4	4559	4627	2.5e-21	66.4
C:6	4670	4948	4.6e-53	171.0

XP_023425662.1

A:1

1 ━━━━━━━━━━━━━━━━━━━━━━━━━━ 579   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	52	558	3.8e-47	151.4

XP_023425693.1

A:1

1   578   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	51	558	2.6e-46	148.7

XP_023426270.1
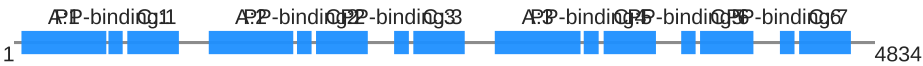
Architecture 1

	from	to	i-eval	score
A:1	46	508	2.8e-132	432.1
PP-binding:1	535	600	1.1e-08	25.9
C:1	641	916	4.2e-55	177.6
A:2	1099	1559	2e-139	455.7
PP-binding:2	1595	1662	6.1e-13	39.5
C:2	1702	1978	1.2e-62	202.4
PP-binding:3	2141	2209	6e-14	42.7
C:3	2249	2523	1.1e-50	163.1
A:3	2707	3174	1.3e-138	453.0
PP-binding:5	3207	3276	1.3e-13	41.7
C:4	3319	3598	2.2e-55	178.5
PP-binding:6	3755	3821	5.7e-12	36.4
C:5	3861	4146	3.2e-65	210.8
PP-binding:7	4310	4377	6.8e-16	49.0
C:6	4418	4694	1.7e-48	156.0

XP_023426579.1

A:1
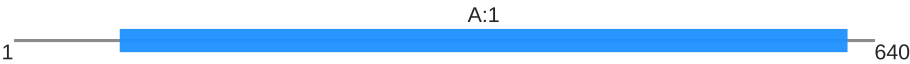
1   640   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	80	619	2.3e-61	198.3

XP_023427274.1

A:1

PP-binding:1

1   1036
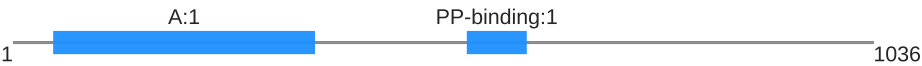
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	50	362	2.9e-15	46.3
PP-binding:1	548	617	6.1e-09	26.7

XP_023427318.1

A:1

1

544
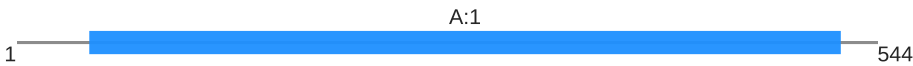
Architecture 1

	from	to	i-eval	score
A:1	47	520	5.9e-54	173.9

XP_023427367.1

KS:1   AT:1   PP-binding:1   C:1   A:1 PP-binding:2

1   3914

Architecture 1

	from	**to**	**i-eval**	**score**
KS:1	6	418	5.9e-177	579.4
AT:1	525	839	4.4e-105	342.2
PP-binding:1	2388	2431	2.7e-11	34.2
C:1	2527	2822	4.9e-48	154.4
A:1	3010	3484	4.6e-116	378.7
PP-binding:2	3506	3575	6.7e-15	45.8

XP_023427389.1
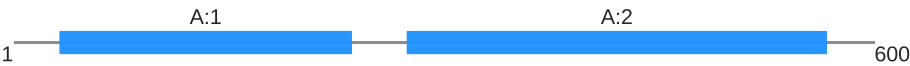
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	33	235	8.8e-23	71.1
A:2	275	566	2.5e-22	69.6

XP_023427577.1

A:1

1   986   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	59	497	4e-97	316.2

XP_023428008.1

A:1　　　　PP-binding:1
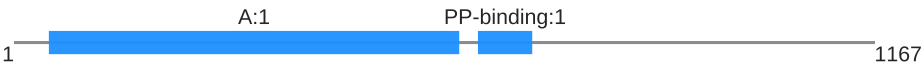
1　　　　　　　　　　　　　　　　1167　　　　　**Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	49	602	4.5e-104	339.1
PP-binding:1	631	701	1e-12	38.8

XP_023428260.1

A:1

1 ———————————————————————————— 588
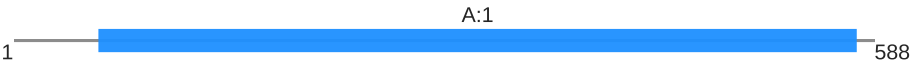
Architecture 1

	from	to	i-eval	score
A:1	59	575	1.4e-37	119.9

XP_023428418.1

| | A:1 | A:2 | A:3 | A:4 | 1841 | **Architecture 1** |

	from	**to**	**i-eval**	**score**
A:1	318	487	4.9e-16	48.8
A:2	694	927	2.2e-08	23.6
A:3	1083	1222	8.6e-07	18.3
A:4	1425	1599	0.00086	8.5

XP_023428553.1

A:1 PP-binding:1
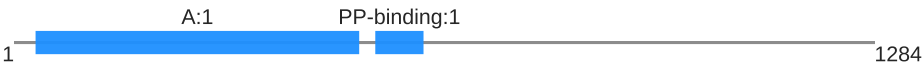
1   1284   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	34	513	4.3e-95	309.5
PP-binding:1	541	609	6.3e-14	42.7

XP_023428645.1

A:1   PP-binding:1
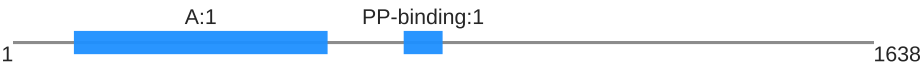
1   1638   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	118	596	2.1e-37	119.3
PP-binding:1	746	815	3.1e-17	53.3

XP_023428681.1

C:1   A:1   PP-binding:1

1   1226
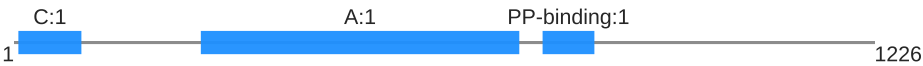
Architecture 1

	from	to	i-eval	score
C:1	8	94	1.7e-05	14.9
A:1	268	718	6.6e-127	414.4
PP-binding:1	755	825	3e-08	24.5

XP_023428767.1

A:1
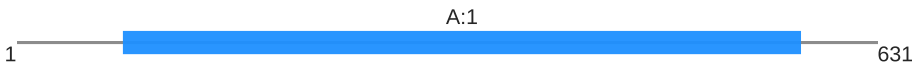
1 ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 631   **Architecture 1**

	from	to	i-eval	score
A:1	79	574	3.8e-38	121.7

XP_023429182.1

A:1

1   697
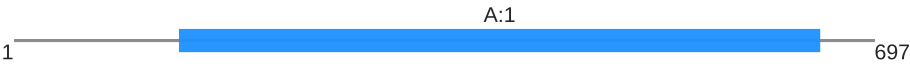
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	135	652	7.9e-32	100.9

XP_023429714.1

A:1

PP-binding:1

1   1061
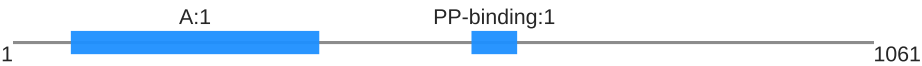
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	73	376	4.9e-17	52.1
PP-binding:1	567	620	1.7e-05	15.6

XP_023429852.1

A:1

1 ————————————————————————————— 1028

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	62	514	9e-97	315.1

XP_023429959.1

KS:1 AT:1 PP-binding:2 C:1 A:1 PP-binding:3

1 4090

Architecture 1

	from	to	i-eval	score
KS:1	10	454	1.4e-178	584.8
AT:1	574	892	3e-99	323.1
PP-binding:2	2477	2547	5.8e-14	42.8
C:1	2672	2972	3.1e-51	164.9
A:1	3165	3656	3.2e-109	356.1
PP-binding:3	3686	3756	6e-16	49.1

XP_023430049.1
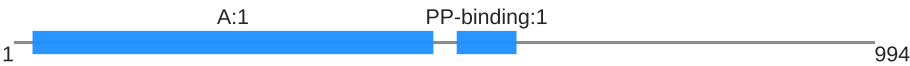
A:1   PP-binding:1

1   994   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	23	483	4.4e-89	289.7
PP-binding:1	513	579	4.9e-10	30.2

XP_023430243.1

Architecture 1

	from	to	i-eval	score
PP-binding:1	18	85	2.3e-09	28.1
C:1	245	534	2.1e-37	119.5
C:2	705	987	1.8e-53	172.3
A:2	1163	1636	1.4e-93	304.5
PP-binding:2	1680	1746	6.1e-11	33.1
C:3	1785	2058	3e-43	138.7

XP_023430388.1

A:1
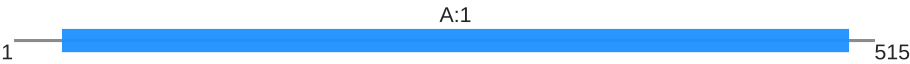
1 ————————————————————————————————— 515   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	30	499	7.3e-58	186.8

XP_023430488.1

A:1

1 ———————————————————————————— 568
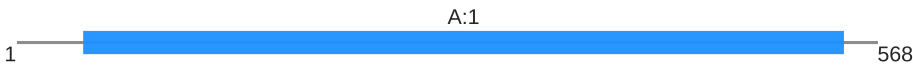
Architecture 1

	from	to	i-eval	score
A:1	45	545	9.5e-46	146.8

XP_023430617.1

A:1

1   700   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	101	641	4.4e-37	118.2

XP_023431532.1

A:1
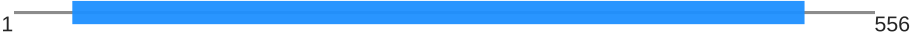
1   556   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	39	510	3.8e-40	128.3

XP_023431540.1

PP-binding:1   C:1   A:1   PP-binding:3   C:2

1   1549
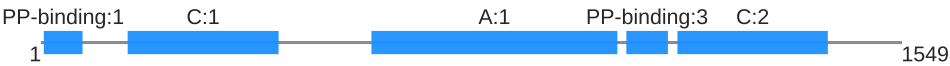
Architecture 1

	from	**to**	**i-eval**	**score**
PP-binding:1	7	72	2.5e-11	34.3
C:1	158	425	2.8e-40	129.0
A:1	597	1035	4.6e-114	372.1
PP-binding:3	1056	1126	5e-13	39.8
C:2	1148	1414	2.2e-31	99.8

XP_023431628.1

A:1

1 ———————————————————————————————————— 556 **Architecture 1**

	from	to	i-eval	score
A:1	46	529	6.6e-51	163.8

XP_023431692.1

A:1

1   574   **Architecture 1**

	from	to	i-eval	score
A:1	52	556	1.6e-42	136.2

XP_023431908.1

A:1

1   576
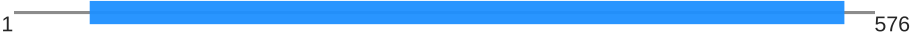
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	52	555	1.3e-44	143.1

XP_023431963.1

A:1

C:1

1

1195

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	81	563	3.2e-59	191.2
C:1	722	1047	1.8e-18	57.4

XP_023432102.1
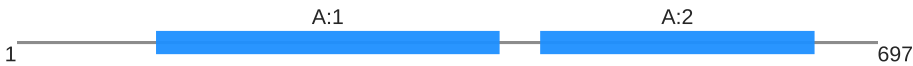
1   A:1   A:2   697   **Architecture 1**

	from	to	i-eval	score
A:1	114	390	1.5e-16	50.5
A:2	425	645	5.8e-14	42.0

XP_023432466.1

A:1

1   575   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	54	558	8.2e-43	137.1

XP_023433861.1

C:1 PP-binding:1 C:3 A:2 binding:2 PP:3 C:6 PP:4 binding:4 PP:5 binding:5 PP:6 binding:6

1   7581
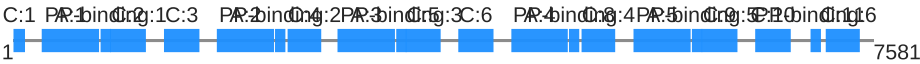
Architecture 1

	from	to	i-eval	score
C:1	10	88	0.00016	11.7
A:1	259	741	3.3e-159	520.9
PP-binding:1	778	846	2.2e-16	50.5
C:2	861	1154	4.4e-37	118.5
C:3	1337	1626	1.9e-68	221.4
A:2	1803	2284	2.4e-161	528.0
PP-binding:2	2316	2384	8.8e-20	61.4
C:4	2427	2700	1.3e-71	231.8
A:3	2867	3350	9.6e-167	545.8
PP-binding:3	3385	3453	2e-15	47.4
C:5	3468	3753	3.1e-31	99.3
C:6	3932	4219	6e-71	229.6
A:4	4400	4874	4.1e-167	547.0
PP-binding:4	4908	4975	3.6e-21	65.9
C:8	5019	5292	1.7e-73	238.0
A:5	5477	5957	1.7e-160	525.1
PP-binding:5	5992	6060	2.2e-17	53.7
C:9	6077	6370	8.4e-41	130.7
C:10	6550	6840	1.5e-67	218.5
PP-binding:6	7038	7106	6.4e-14	42.6
C:11	7172	7449	1.6e-64	208.6

XP_023434612.1

A:1

1   630   **Architecture 1**

	from	to	i-eval	score
A:1	61	603	2e-39	126.0

XP_023434861.1

A:1

1   558   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	54	538	1.4e-57	185.8

XP_023434892.1

KS:1 AT:1 PP-binding:2 C:1 A:1 PP-binding:3 Architecture 1

1 3935

	from	to	i-eval	score
KS:1	7	437	2.1e-180	590.8
AT:1	549	867	4.2e-111	362.0
PP-binding:2	2381	2449	2.1e-14	44.2
C:1	2519	2812	1e-58	189.5
A:1	2997	3470	1.7e-117	383.4
PP-binding:3	3500	3572	3.5e-17	53.1

XP_023434924.1

A:1
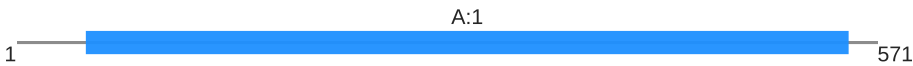
1 ——————————————————————— 571   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	47	551	4.5e-45	144.6

XP_023434929.1

A:1

1   543
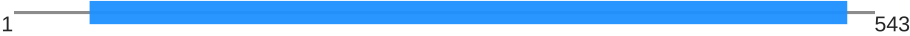
Architecture 1

	from	to	i-eval	score
A:1	49	525	3.5e-42	135.1

XP_023434939.1
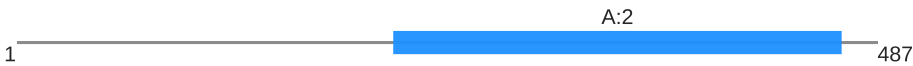
	from	to	i-eval	score
A:1	46	225	1.6e-05	14.1
A:2	214	466	1.1e-20	64.1

XP_023434994.1

A:1

1
667

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	126	623	6.2e-33	104.5

XP_023435095.1

A:1   A:2
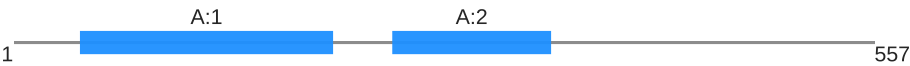
1   557   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	44	206	5.8e-11	32.1
A:2	246	347	0.00022	10.4

XP_023435249.1

A:1
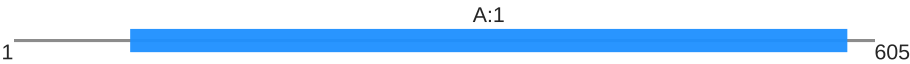
1   605   **Architecture 1**

	from	to	i-eval	score
A:1	83	585	1.1e-62	202.6

XP_023435338.1

KS:1　　AT:1　　　　　　　　　　PP-binding:1 C:3　　A:1 PP-binding:2

1　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　3916

Architecture 1

	from	**to**	**i-eval**	**score**
KS:1	11	438	1.1e-189	621.3
AT:1	548	863	2.2e-103	336.7
PP-binding:1	2376	2445	1.2e-15	48.2
C:3	2519	2807	3e-58	188.0
A:1	2994	3475	2.8e-121	395.9
PP-binding:2	3497	3566	1.4e-16	51.2

XP_023435492.1

A:1

1 ———————— 575
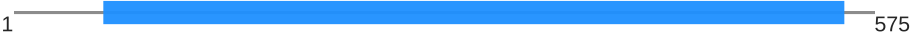
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	61	554	1.7e-63	205.3

XP_023435723.1
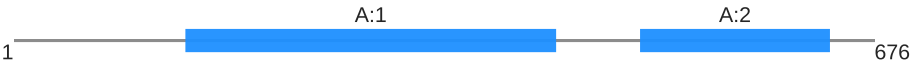
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	136	425	4e-24	75.5
A:2	493	640	6.7e-08	22.0

XP_023435956.1

C:1   A:1 PP-binding:1 C:2   A:2   PP-binding:2 A:3 PP-binding:3 C:3

1   3135

Architecture 1

	from	**to**	**i-eval**	**score**
C:1	45	329	2.8e-38	122.4
A:1	514	993	2.8e-148	484.9
PP-binding:1	1025	1093	7.4e-17	52.0
C:2	1110	1405	3.1e-72	233.8
A:2	1591	2058	9.4e-118	384.2
A:3	2386	2486	6.6e-12	35.2
PP-binding:2	2513	2579	8.8e-13	39.0
PP-binding:3	2607	2673	1.9e-11	34.7
C:3	2722	3002	1.9e-57	185.4

XP_023435996.1

Architecture 1

	from	to	i-eval	score
A:1	94	366	7e-17	51.6
A:2	397	593	2.5e-16	49.8

XP_023436002.1

A:1

1 ————————————————————————————— 499   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	35	494	1.6e-47	152.7

XP_023436354.1
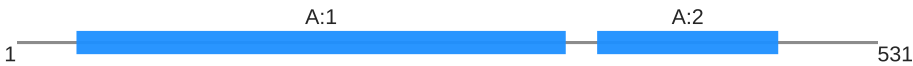
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	38	338	8.1e-12	34.9
A:2	359	469	0.00087	8.4

XP_023436422.1

A:1

1 —————— [==================================] 568
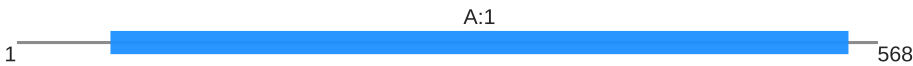
Architecture 1

	from	to	i-eval	score
A:1	63	548	9.2e-40	127.1

XP_023436545.1

A:1

1 ————████████████████████████████———— 575
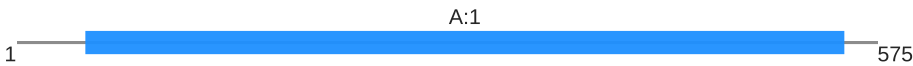
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	47	552	3.8e-40	128.3

XP_023436753.1

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	243	730	2.3e-164	538.0
PP-binding:2	763	831	1.8e-16	50.8
C:2	876	1147	1.3e-79	258.0
A:2	1304	1520	6.5e-27	84.7
PP-binding:3	1553	1621	1.5e-21	67.1
C:3	1667	1939	5.1e-57	183.9

XP_023436908.1

A:1　　　　　A:2　　PP-binding:1
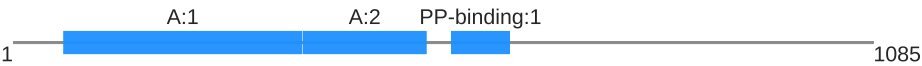
1　　　　　　　　　　　　　　　　　　　　　1085　　　　**Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	65	363	2.4e-16	49.9
A:2	367	520	0.023	3.8
PP-binding:1	554	625	1.2e-06	19.3

XP_023436940.1

A:1

1   992   **Architecture 1**

	from	to	i-eval	score
A:1	61	498	8.6e-109	354.7

XP_023437194.1

A:1   A:2   PP-binding:2
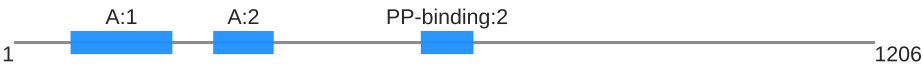
1   1206   **Architecture 1**

	from	to	i-eval	score
A:1	81	220	4.6e-11	32.5
A:2	281	362	0.0055	5.8
PP-binding:2	572	642	1.2e-08	25.7

XP_023437327.1

A:1
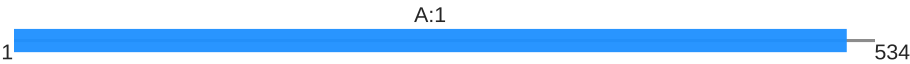
1   534   **Architecture 1**

	from	to	i-eval	score
A:1	1	516	7.6e-39	124.0

XP_023437543.1

A:1   A:2

1   690   **Architecture 1**

	from	to	i-eval	score
A:1	113	367	2e-15	46.8
A:2	394	635	6.8e-15	45.1

XP_023437588.1

A:1

1 ———————————————————————— 564
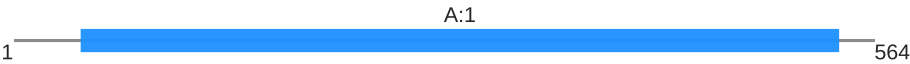
Architecture 1

	from	**to**	**i-eval**	**score**
A:1	45	540	4.9e-42	134.6

XP_023437589.1

A:1
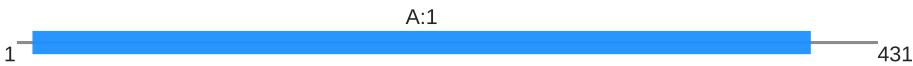
1 ———————————————————— 431   **Architecture 1**

	from	to	i-eval	score
A:1	9	397	2.1e-05	13.7

XP_023437622.1

A:1

1 ————————————————————————————————— 537

Architecture 1

	from	**to**	**i-eval**	**score**
A:1	39	493	5.9e-13	38.7

XP_023437753.1

A:1
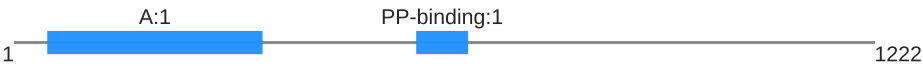
PP-binding:1

1   1222   **Architecture 1**

	from	to	i-eval	score
A:1	49	351	2.4e-11	33.4
PP-binding:1	573	643	0.00013	12.8

XP_023437999.1
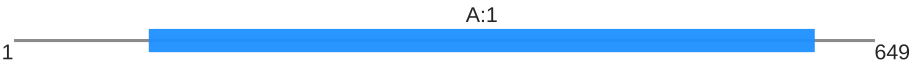
1   A:1   649   **Architecture 1**

	from	to	i-eval	score
A:1	103	603	1.3e-41	133.2

XP_023438002.1
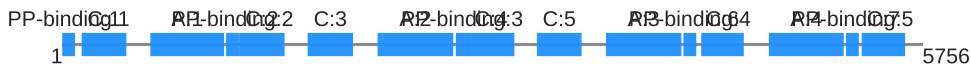
Architecture 1

	from	to	i-eval	score
PP-binding:1	6	74	4.9e-13	39.8
C:1	136	418	2.2e-52	168.7
A:1	596	1072	4.9e-154	503.9
PP-binding:2	1103	1171	1.6e-20	63.8
C:2	1190	1477	1.6e-37	120.0
C:3	1649	1935	3.9e-67	217.1
A:2	2117	2606	4.3e-157	513.9
PP-binding:3	2641	2707	1.4e-19	60.8
C:4	2722	3015	6.5e-36	114.7
C:5	3184	3465	2.6e-45	145.5
A:3	3646	4133	2e-153	501.9
PP-binding:4	4165	4233	1e-20	64.5
C:6	4284	4551	4.1e-75	243.3
A:4	4737	5220	1.2e-154	505.9
PP-binding:5	5253	5321	2e-20	63.5
C:7	5358	5631	6.2e-54	173.8

XP_023438064.1

A:1

1 ———————————————————————————————— 566
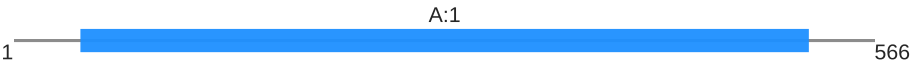
Architecture 1

	from	to	i-eval	score
A:1	45	522	9.7e-34	107.2

XP_023438099.1

A:1   PP-binding:1   C:1
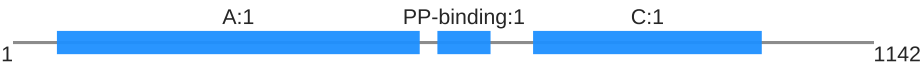
1   1142   **Architecture 1**

	from	**to**	**i-eval**	**score**
A:1	60	538	6e-56	180.4
PP-binding:1	565	632	1.4e-07	22.4
C:1	692	992	9e-20	61.7