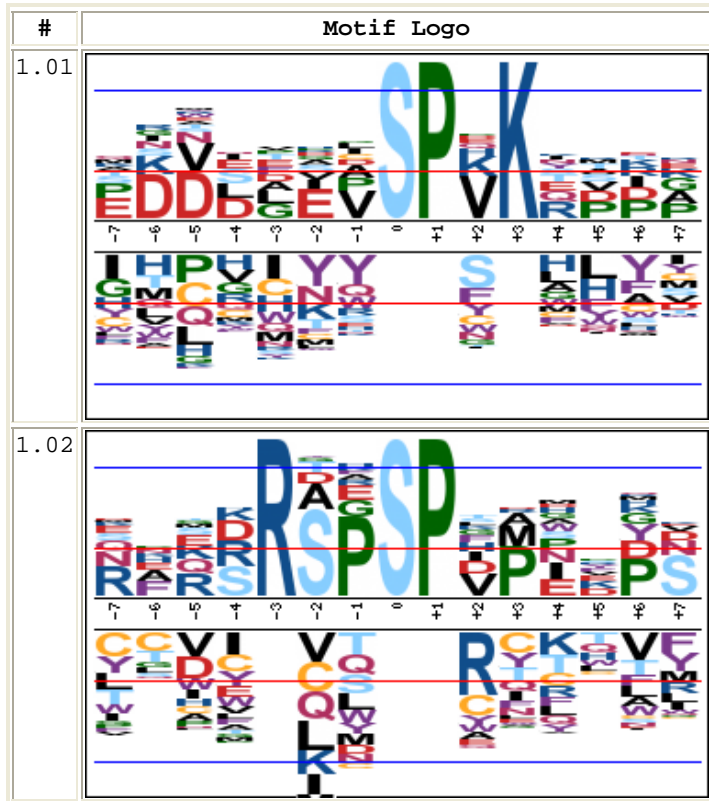


xxxxmotif-xxxxx

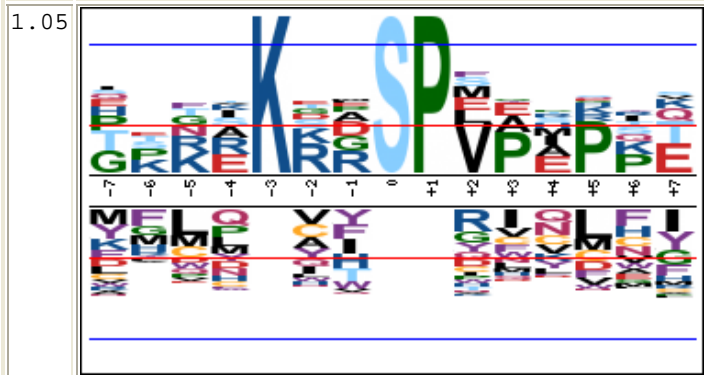
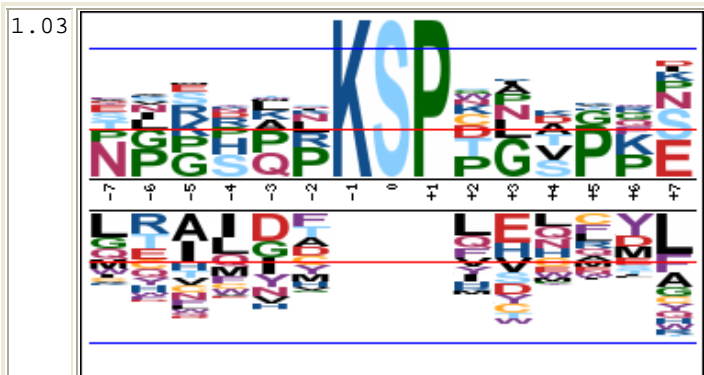
v1.2 10.05.06

Supplementary Table 7 Fly Serine and Threonine Phosphorylation Motifs from Zhai et al.

Serine Motifs



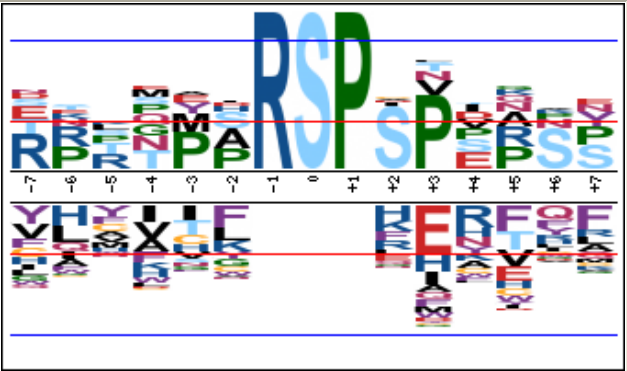
#	Motif	Motif Score	Foreground Matches	Foreground Size	Background Matches	Background Size	Fold Increase	-Log(P) Value
1.01sP.K....	356.66	227	8081	1593	589119	10.39	144.3337
1.02R.sP.....	359.69	243	7854	1835	587526	9.91	150.0018
1.03KsP.....	336.09	128	7611	1310	585691	7.52	65.6954
1.04sP.R....	335.89	128	7483	1387	584381	7.21	63.6574
1.05K.sP.....	314.00	113	7355	1182	582994	7.58	58.4378
1.06RsP.....	266.06	104	7242	1230	581812	6.79	49.5907
1.07sD.ED...	376.81	84	7138	263	580582	25.98	85.2926
1.08sP.....	220.23	941	7054	23368	580319	3.31	220.2275
1.09sD.E....	321.04	284	6113	2476	556951	10.45	181.8571
1.10sDDD....	308.83	72	5829	251	554475	27.29	74.7547
1.11	...RR.s.....	243.27	232	5757	2830	554224	7.89	123.2503
1.12sD.D....	232.81	205	5525	2056	551394	9.95	127.3375
1.13sEDE....	221.28	62	5320	253	549338	25.30	62.5578
1.14s.DD....	166.37	145	5258	1795	549085	8.44	80.8835
1.15Ds..E....	158.88	129	5113	1733	547290	7.97	69.2184
1.16	...RK.s.....	152.70	130	4984	1822	545557	7.81	68.7751
1.17s.E..D...	142.54	114	4854	1853	543735	6.89	55.0287
1.18D.s.E....	101.55	90	4740	1750	541882	5.88	38.3532
1.19	..R.R.s.....	100.52	109	4650	2352	540132	5.38	42.8371
1.20s.DE....	105.37	107	4541	1718	537780	7.38	54.4478
1.21s.ED....	76.94	77	4434	1767	536062	5.27	29.9184



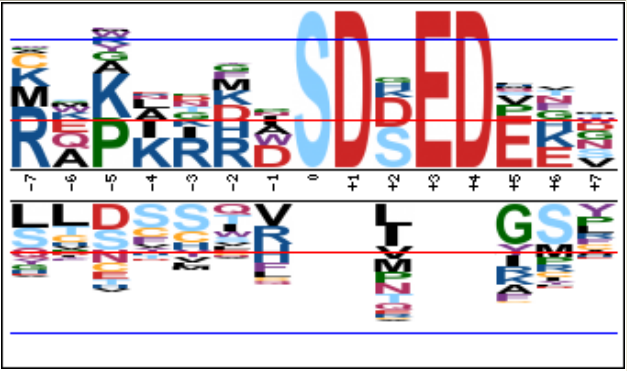
1.22	<u>.R..R..s.....</u>	69.75	74	4357	1676	534295	5.41	29.5082
1.23	<u>.....DsD.....</u>	81.86	91	4283	1405	532619	8.05	49.4786
1.24	<u>.....sE.E....</u>	72.15	110	4192	2462	531214	5.66	45.2531
1.25	<u>.....s.DS....</u>	79.45	119	4082	3013	528752	5.12	44.6173
1.26	<u>.R..S..s.....</u>	74.16	130	3963	3611	525739	4.78	45.5802
1.27	<u>.....s..D.D..</u>	57.08	67	3833	1529	522128	5.97	29.1723
1.28	<u>.....s...DE..</u>	56.81	73	3766	1921	520599	5.25	28.3640
1.29	<u>...R..s.....</u>	43.85	349	3693	21450	518678	2.29	43.8474
1.30	<u>...KR.s.....</u>	57.37	75	3344	1844	497228	6.05	32.9466
1.31	<u>...S..sL.....</u>	56.36	119	3269	4511	495384	4.00	34.7096
1.32	<u>.....s.E.....</u>	38.46	329	3150	23314	490873	2.20	38.4580
1.33	<u>.....D.s.....</u>	41.06	309	2821	21931	467559	2.34	41.0607
1.34	<u>.....N.s.....</u>	30.38	280	2512	23478	445628	2.12	30.3772
1.35	<u>.....RRs.....</u>	44.51	68	2232	2010	422150	6.40	31.4605
1.36	<u>.....s....D..</u>	26.16	213	2164	18473	420140	2.24	26.1555
1.37	<u>.....s..D....</u>	23.42	190	1951	17477	401667	2.24	23.4236
1.38	<u>.....s..S....</u>	21.41	356	1761	46565	384190	1.67	21.4131
1.39	<u>...S..s.....</u>	21.26	266	1405	34944	337625	1.83	21.2586
1.40	<u>.....s.SP....</u>	39.58	64	1139	2279	302681	7.46	33.6271
1.41	<u>.....SS.E....</u>	28.35	47	1075	2037	300402	6.45	22.2784
1.42	<u>.....s.D.....</u>	17.17	119	1028	14493	298365	2.38	17.1700
1.43	<u>.....s...SP..</u>	23.08	40	909	1874	283872	6.67	19.5954
1.44	<u>.....s.....</u>	0.00	869	869	281998	281998	1.00	0.0000

Motif search time: 2 minutes, 42 seconds

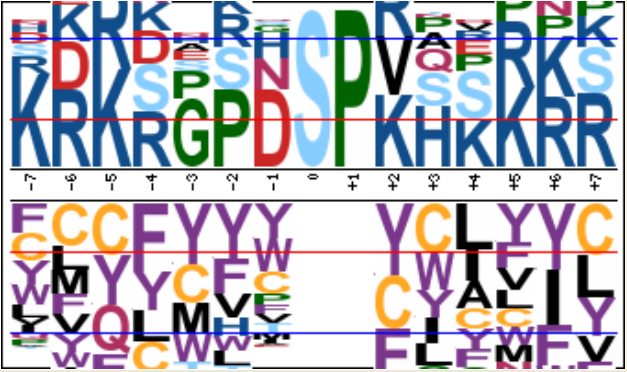
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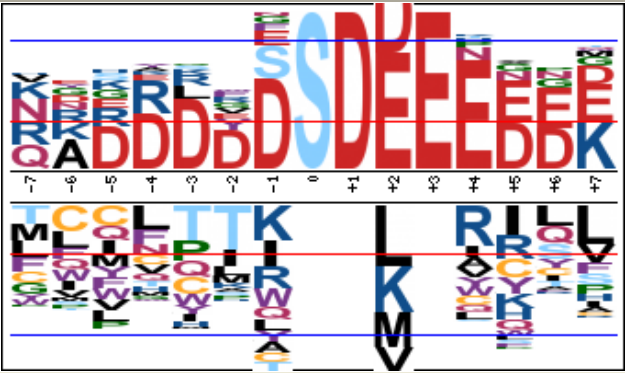
1.07



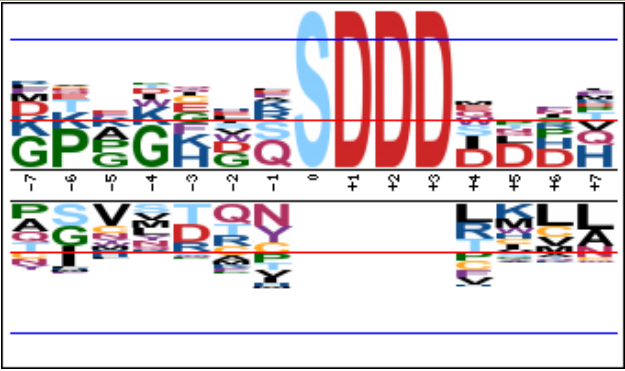
1.08



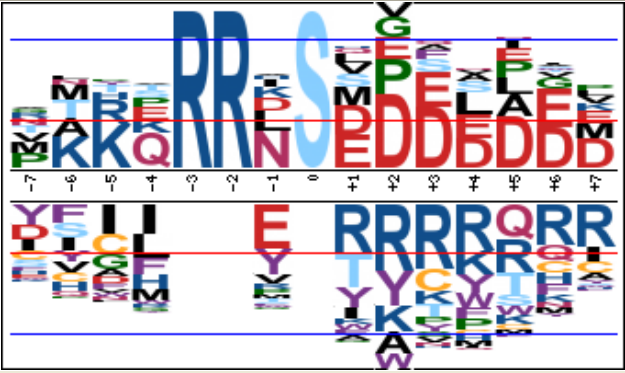
1.09



1.10



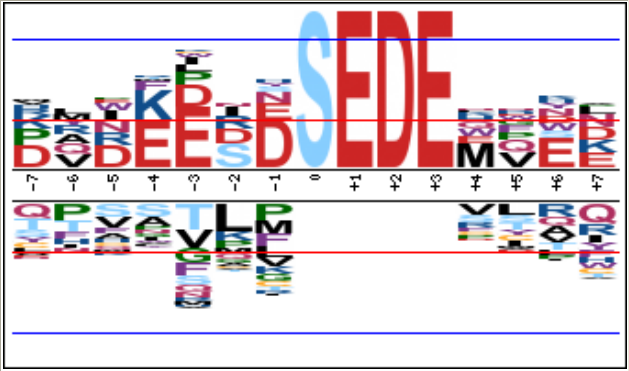
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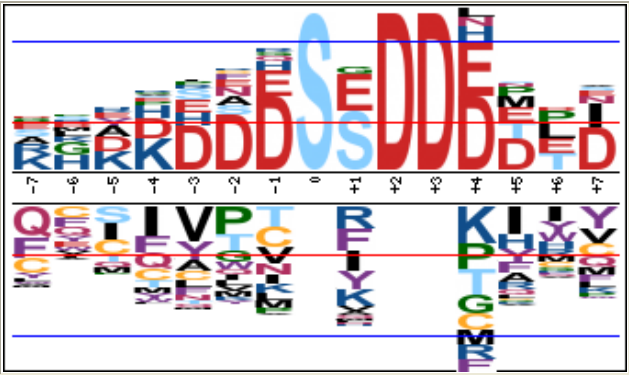
1.12



1.13



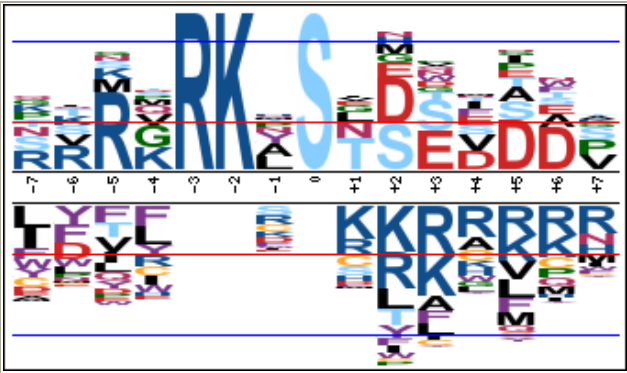
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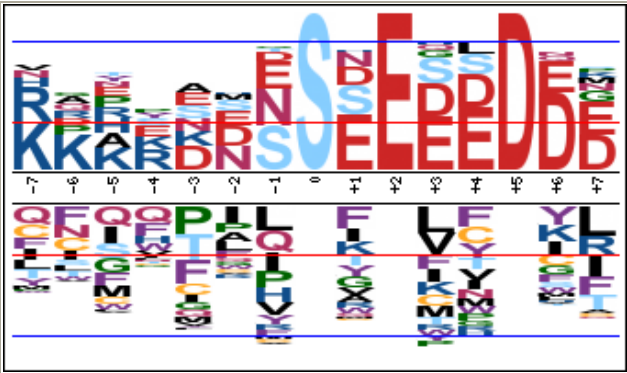
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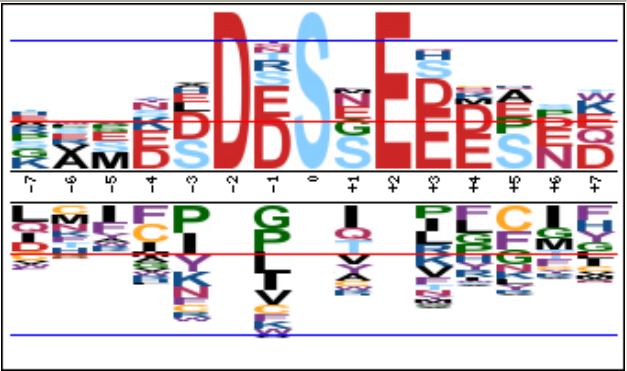
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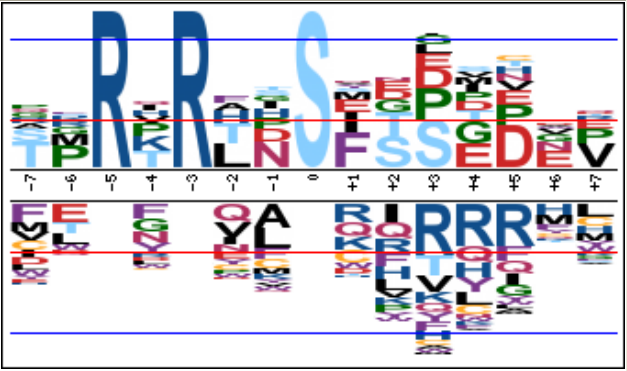
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1.18



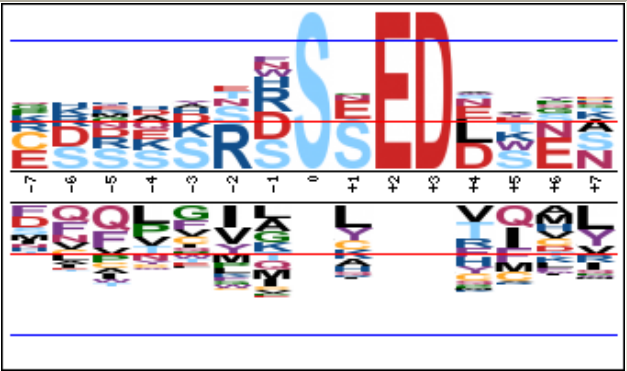
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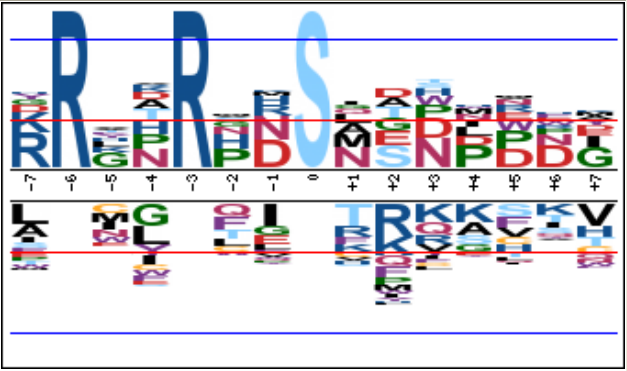
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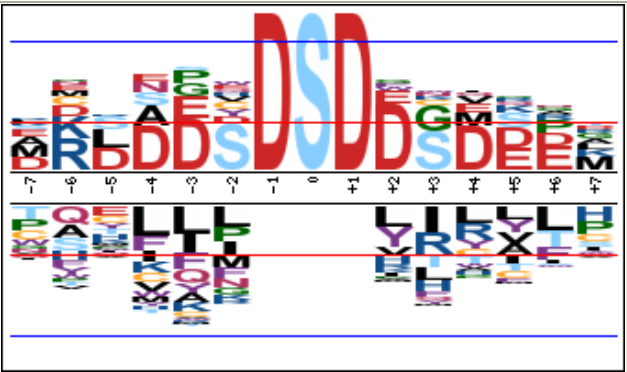
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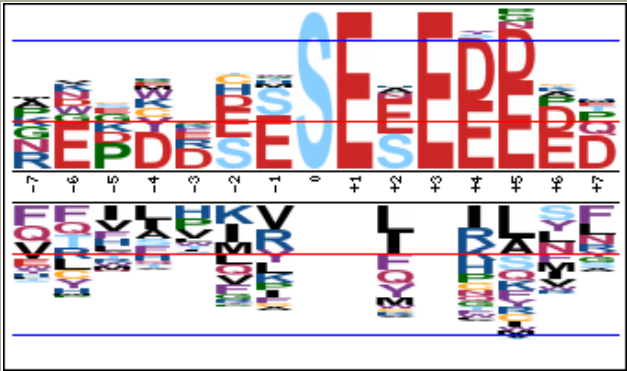
1.22



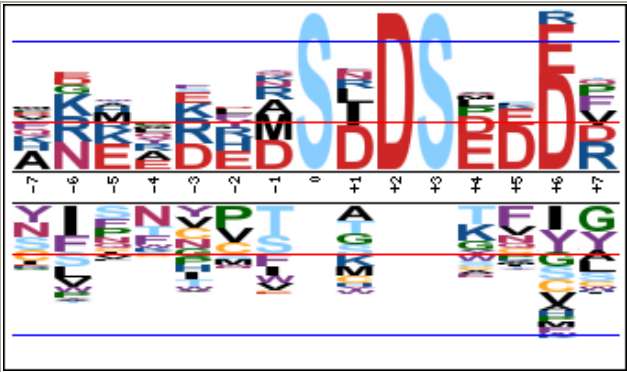
1.23



1.24



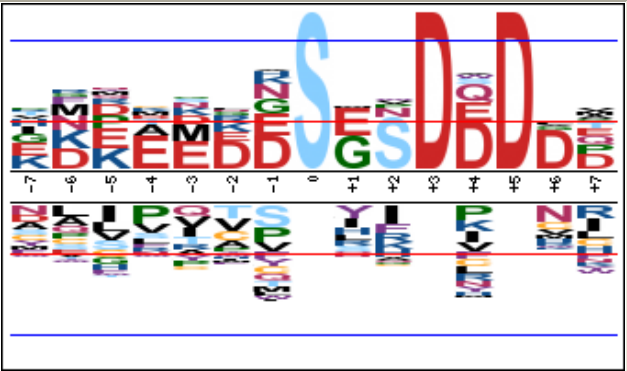
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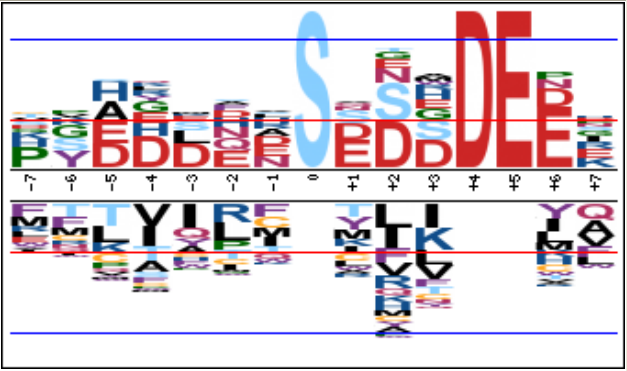
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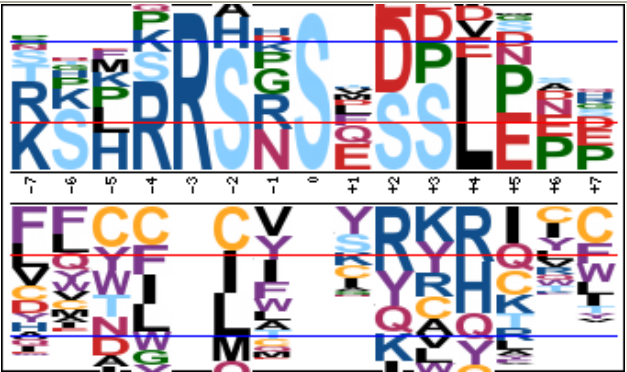
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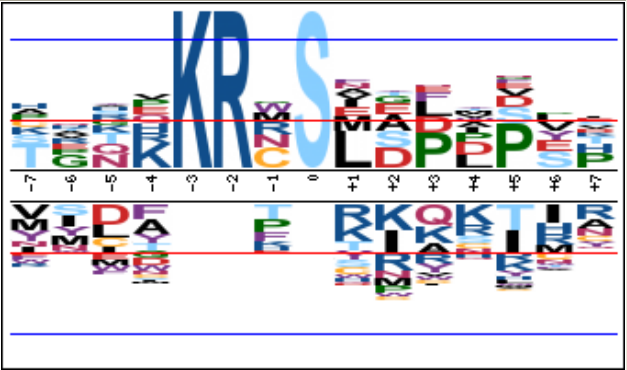
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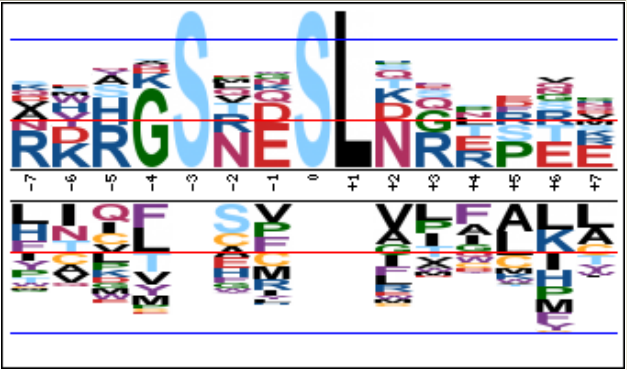
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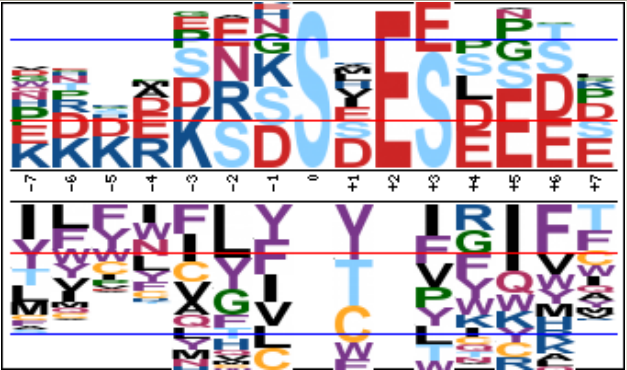
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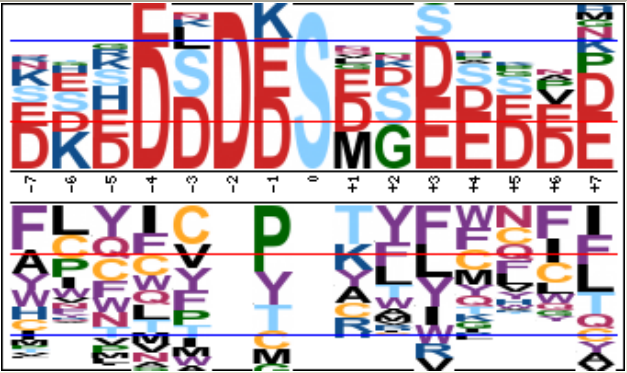
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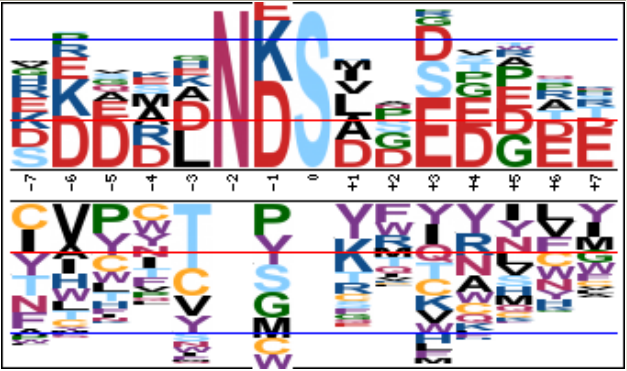
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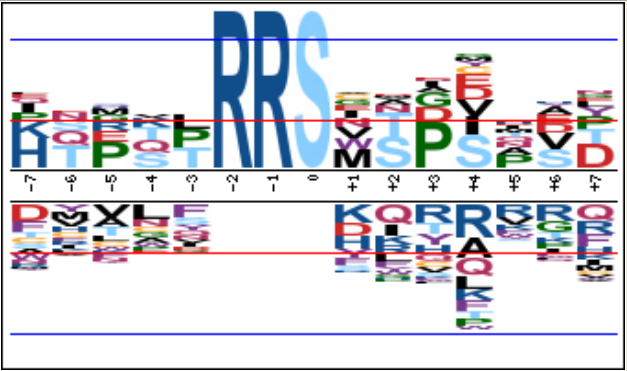
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1.34



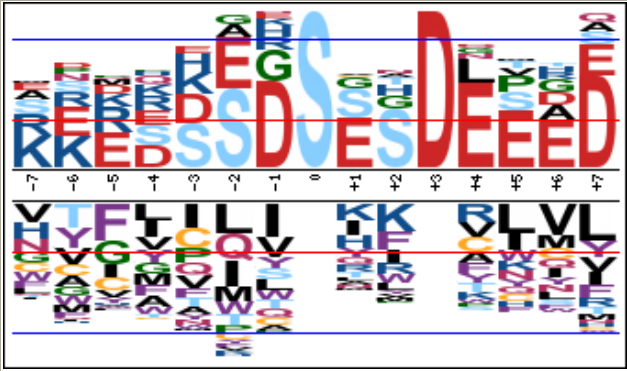
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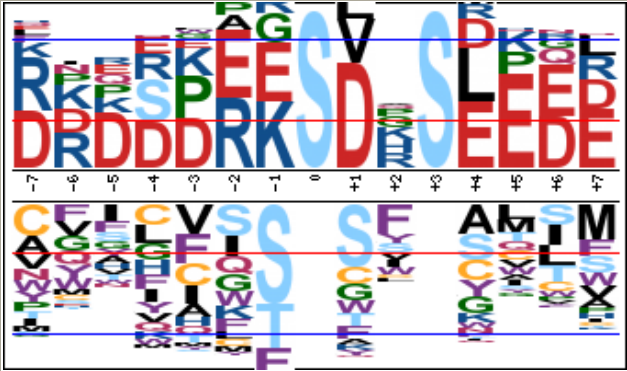
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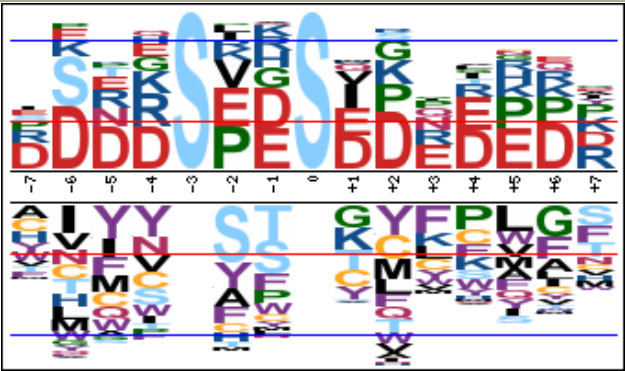
1.37



1.38



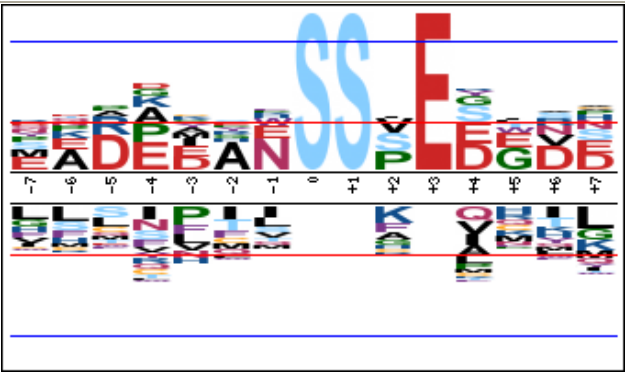
1.39



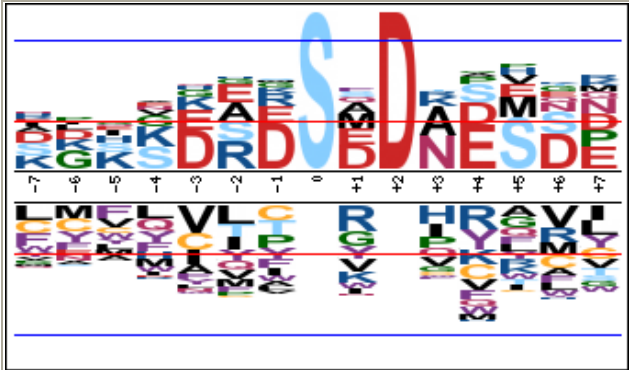
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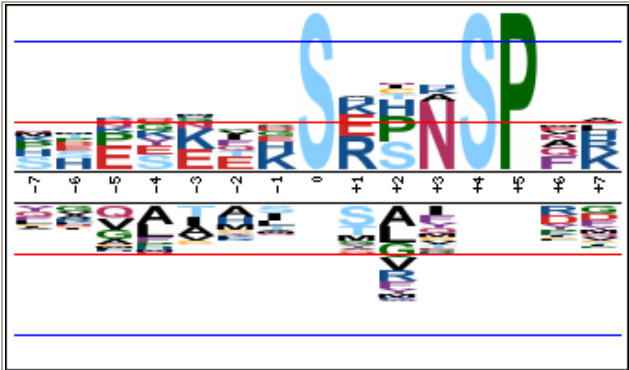
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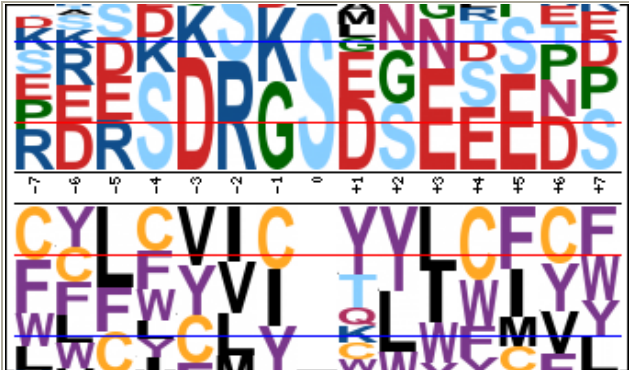
1.42



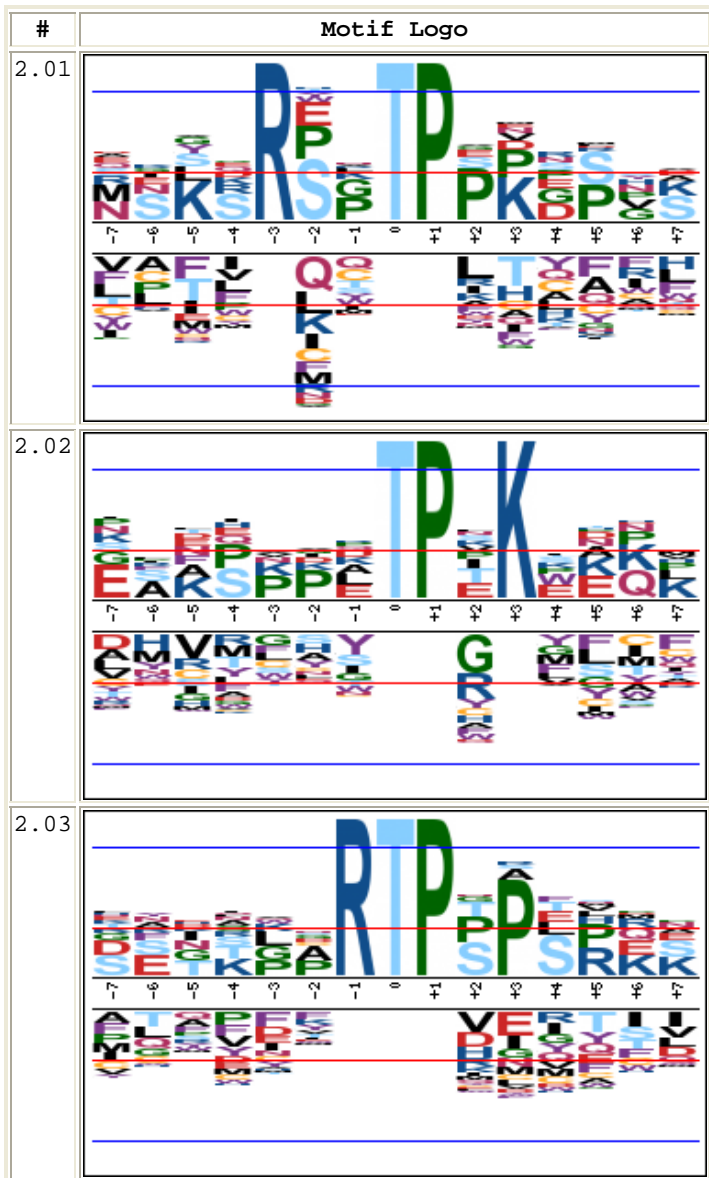
1.43



1.44



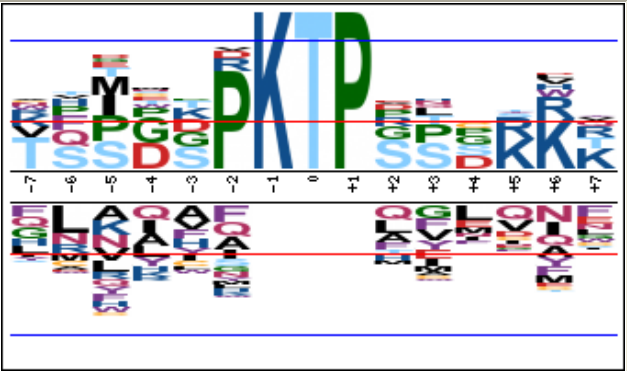
Threonine Motifs



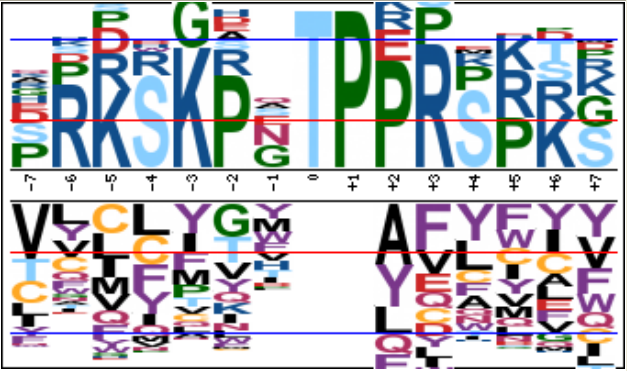
#	Motif	Motif Score	Foreground Matches	Foreground Size	Background Matches	Background Size	Fold Increase	-Log(P) Value
2.01	<u>....R..tP.....</u>	355.78	123	1591	1344	403741	23.22	120.2477
2.02	<u>.....tP.K....</u>	343.24	108	1468	1318	402397	22.46	104.1398
2.03	<u>.....RtP.....</u>	253.25	66	1360	1111	401079	17.52	56.9495
2.04	<u>.....KtP.....</u>	208.87	58	1294	1077	399968	16.65	48.9132
2.05	<u>.....tP.....</u>	160.08	372	1236	22405	398891	5.36	160.0779
2.06	<u>.....tD.E....</u>	65.92	56	864	1565	376486	15.59	45.9827
2.07	<u>.....DtD.....</u>	35.56	29	808	943	374921	14.27	23.0585
2.08	<u>.....tS.E....</u>	32.29	37	779	1935	373978	9.18	22.7425
2.09	<u>.....t..D....</u>	15.44	95	742	18910	372043	2.52	15.4432
2.10	<u>.....t..E....</u>	11.44	84	647	20174	353133	2.27	11.4393
2.11	<u>.....t.....</u>	0.00	563	563	332959	332959	1.00	0.0000

Motif search time: 41 seconds

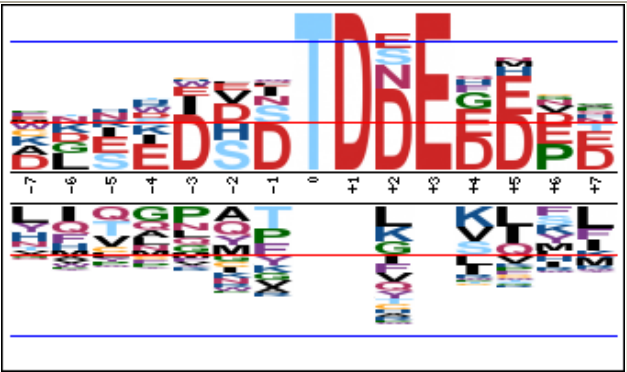
2.04



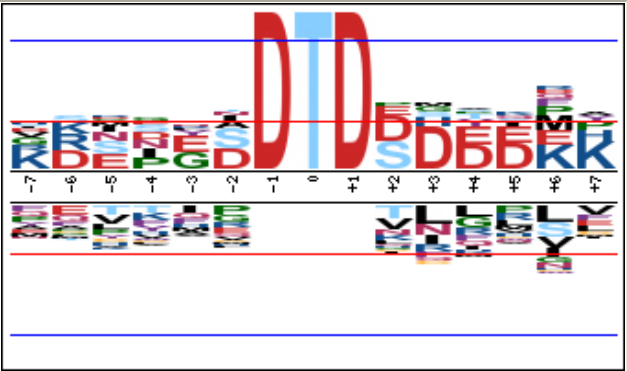
2.05



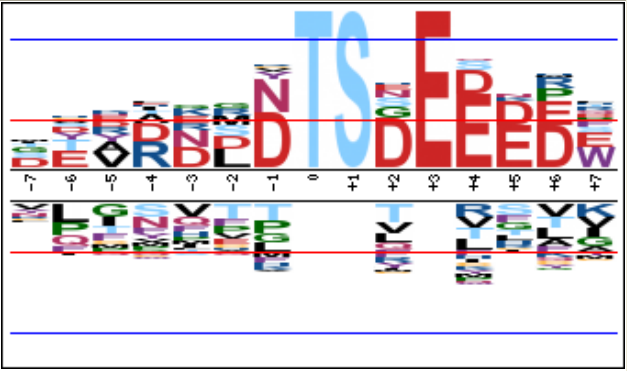
2.06



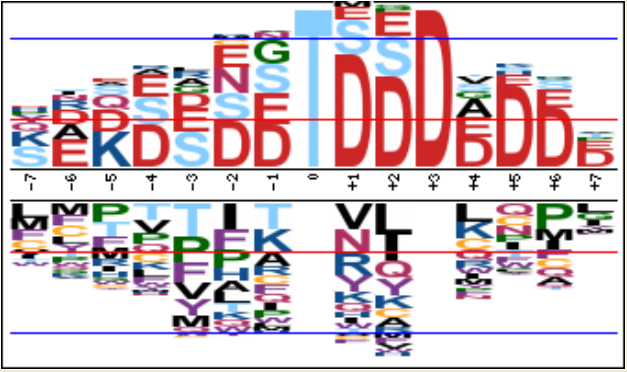
2.07



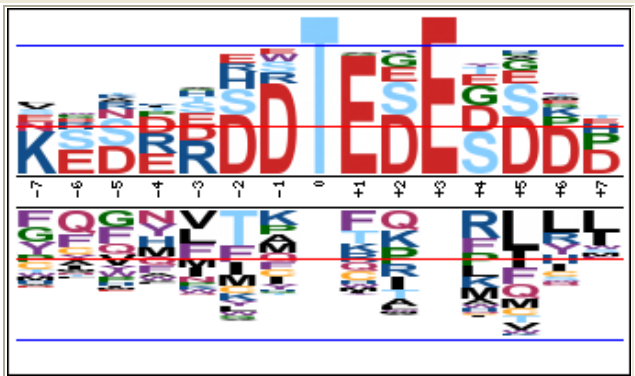
2.08



2.09



2.10



2.11

