

ROVER Output:  
Sequence Pvalue Cutoff: 0.01  
Site Pvalue Cutoff: 0.001

Matrix: ROX1 Accessions (YPR065W)

Binomial p-value: 0.629708

Matched Sequence: YDR044W 0.000104376 HEM13  
Element: CCCATTGTT Start: 816 Stop: 824 Pval: 3.43658e-05  
Element: CGTATTGTT Start: 419 Stop: 411 Pval: 6.3004e-05  
Element: TGTATTGTT Start: 352 Stop: 344 Pval: 7.44593e-05  
Element: TCAATTGTT Start: 527 Stop: 535 Pval: 0.000229106  
Element: CCTATTGTC Start: 874 Stop: 882 Pval: 0.000274927  
Element: CCTTTTGTT Start: 293 Stop: 301 Pval: 0.00029211  
Element: TGCTTTGTT Start: 763 Stop: 755 Pval: 0.0007045

Matched Sequence: YPR065W 0.000973182 ROX1  
Element: CCTATTGTT Start: 605 Stop: 613 Pval: 1.14553e-05  
Element: CCAATTGTT Start: 545 Stop: 537 Pval: 0.00019474  
Element: TCTTTTGTT Start: 620 Stop: 628 Pval: 0.000378024  
Element: TCCTTTGTT Start: 139 Stop: 147 Pval: 0.000458211  
Element: CGTATTGTC Start: 638 Stop: 646 Pval: 0.000555581

Matched Sequence: YER081W 0.00208978 x  
Element: GCCATTGTT Start: 472 Stop: 480 Pval: 0.000183284  
Element: TCCATTGTG Start: 266 Stop: 258 Pval: 0.000441028  
Element: TACATTGTT Start: 495 Stop: 503 Pval: 0.000498305  
Element: AGTATTGTT Start: 102 Stop: 110 Pval: 0.000572764  
Element: AGCATTGTT Start: 300 Stop: 292 Pval: 0.000647223

Matched Sequence: YKL008C 0.00594222 x  
Element: TCTATTGTT Start: 705 Stop: 713 Pval: 3.43658e-05  
Element: TTTATTGTT Start: 789 Stop: 797 Pval: 0.000143191  
Element: GCTATTGTT Start: 933 Stop: 941 Pval: 0.000160374  
Element: CGTTTTGTT Start: 737 Stop: 745 Pval: 0.000567036

Matched Sequence: YNL036W 0.00644785 NCE3  
Element: GGTATTGTT Start: 488 Stop: 480 Pval: 0.000206195  
Element: TTGATTGTT Start: 250 Stop: 258 Pval: 0.00050976  
Element: GCAATTGTT Start: 170 Stop: 178 Pval: 0.000561309  
Element: CGCATTGTC Start: 756 Stop: 764 Pval: 0.000578492

Matched Sequence: YOL151W 0.00644785 GRE2  
Element: CCAATTGTT Start: 705 Stop: 697 Pval: 0.00019474  
Element: TCTTTTGTT Start: 27 Stop: 35 Pval: 0.000378024  
Element: TACATTGTT Start: 583 Stop: 591 Pval: 0.000498305  
Element: TGTATTGTC Start: 53 Stop: 45 Pval: 0.000578492

Matrix: ZAP1 Accessions (YJL056C)

Binomial p-value: 0.443056

Matched Sequence: YJR109C 0 CPA2  
Element: ACCCTAAATGT Start: 492 Stop: 482 Pval: 0

Matched Sequence: YOL154W 1.15444e-08 x  
Element: ACCCTGAAGGT Start: 682 Stop: 672 Pval: 0  
Element: ACCCTGAAGGT Start: 687 Stop: 697 Pval: 0

Element: ACCTTCAGGGT	Start: 697	Stop: 687	Pval: 2.86961e-05
Element: ACCTTCAGGGT	Start: 672	Stop: 682	Pval: 3.44353e-05
Matched Sequence: YLR130C	1.2868e-05	ZRT2	
Element: ACCCTAAAGGT	Start: 690	Stop: 700	Pval: 0
Element: ACCCTAAAGGT	Start: 749	Stop: 739	Pval: 0
Element: TCCCAAAGGT	Start: 837	Stop: 827	Pval: 3.44353e-05
Element: ACCCTAACTGT	Start: 60	Stop: 70	Pval: 9.75666e-05
Element: ACCTTTAGGGT	Start: 700	Stop: 690	Pval: 0.000103306
Element: ACCTTTAGGGT	Start: 739	Stop: 749	Pval: 0.000103306
Element: ACCCTGTTGGT	Start: 889	Stop: 899	Pval: 0.000522268
Matched Sequence: YLR109W	1.91377e-05	x	
Element: ACCTTAAAGGC	Start: 451	Stop: 441	Pval: 1.72176e-05
Element: GCCTTTAAGGT	Start: 441	Stop: 451	Pval: 0.000103306
Element: TCCGTTAAGGT	Start: 648	Stop: 658	Pval: 0.000212351
Element: ACCTTAACGGA	Start: 658	Stop: 648	Pval: 0.000464876
Element: ACCATGAAGTT	Start: 274	Stop: 264	Pval: 0.000470615
Element: ACCCCCAGCT	Start: 293	Stop: 283	Pval: 0.000591139
Element: AACTTCATGGT	Start: 264	Stop: 274	Pval: 0.000665748
Element: GCCAAAAGGT	Start: 705	Stop: 715	Pval: 0.00072314
Matched Sequence: YGL255W	0.000214747	ZRT1	
Element: ACCCAAAGGT	Start: 555	Stop: 545	Pval: 0
Element: ACCCTCAAGGT	Start: 682	Stop: 692	Pval: 0
Element: ACCTTGAAGGT	Start: 797	Stop: 807	Pval: 0
Element: ACCTTCAAGGT	Start: 807	Stop: 797	Pval: 0
Element: ACCTTGAGGGT	Start: 692	Stop: 682	Pval: 0.000206612
Element: TCCTTCGAGGT	Start: 673	Stop: 663	Pval: 0.000591139
Matched Sequence: YJL056C	0.00122286	ZAP1	
Element: ACCCTAAAGGT	Start: 857	Stop: 867	Pval: 0
Element: ACCTTTAGGGT	Start: 867	Stop: 857	Pval: 0.000103306
Matched Sequence: YPL250C	0.00131773	x	
Element: CCCCCAAGCT	Start: 93	Stop: 103	Pval: 0.000464876
Element: ACCCGGAAGGG	Start: 255	Stop: 245	Pval: 0.000464876
Element: ACCCAAGGGA	Start: 487	Stop: 477	Pval: 0.000464876
Element: AGCCCCAAGGG	Start: 525	Stop: 535	Pval: 0.000464876
Element: AACCCAAGGG	Start: 488	Stop: 478	Pval: 0.000591139
Matched Sequence: YLR108C	0.00355199	x	
Element: ACCTTAAAGGC	Start: 894	Stop: 904	Pval: 1.72176e-05
Element: GCCTTTAAGGT	Start: 904	Stop: 894	Pval: 0.000103306
Element: TCCGTTAAGGT	Start: 697	Stop: 687	Pval: 0.000206612
Element: ACCTTAACGGA	Start: 687	Stop: 697	Pval: 0.000464876
Element: GCCAAAAGGT	Start: 640	Stop: 630	Pval: 0.00072314
Matched Sequence: YOL064C	0.00419652	MET22	
Element: ACCCCAAGAT	Start: 132	Stop: 122	Pval: 2.86961e-05
Element: GCCCTCAAGGA	Start: 745	Stop: 735	Pval: 0.000183655
Element: ACCTTATACGT	Start: 711	Stop: 721	Pval: 0.000464876
Element: ACCCTGAAAT	Start: 25	Stop: 35	Pval: 0.000522268
Matched Sequence: YPR065W	0.00488444	ROX1	
Element: ACCGTAAATGT	Start: 915	Stop: 905	Pval: 5.16529e-05

Matched Sequence: YPR167C	0.00488444	MET16		
Element: ACCGTAAAGAT	Start: 769	Stop: 759	Pval: 5.16529e-05	
Matched Sequence: YHL047C	0.00610963	x		
Element: ATTCTAAAGGT	Start: 393	Stop: 403	Pval: 7.46097e-05	
Element: ACGCTCAAAGT	Start: 609	Stop: 599	Pval: 0.000183655	
Matched Sequence: YHR071W	0.00610963	PCL5		
Element: AACTAAAGGC	Start: 130	Stop: 140	Pval: 9.75666e-05	
Element: GCGCTCAAGGT	Start: 258	Stop: 268	Pval: 0.000183655	
Matched Sequence: YKL001C	0.00841359	MET14		
Element: ACCTCAATGGT	Start: 46	Stop: 56	Pval: 0.000132002	
Element: ACCATTGAGGT	Start: 56	Stop: 46	Pval: 0.000206612	

Matrix: AP-1 binding site      Accessions (YML007W)

Binomial p-value: 1.26829e-25

Matched Sequence: YDL182W	1.01807e-06	LYS20		
Element: ATTAGTCAT	Start: 320	Stop: 312	Pval: 0.000103098	
Element: ATTACTCAT	Start: 644	Stop: 636	Pval: 0.000108825	
Element: ATGAGTAAT	Start: 636	Stop: 644	Pval: 0.000137463	
Element: ATGACTAAT	Start: 312	Stop: 320	Pval: 0.000183284	
Element: ATTACTCAC	Start: 811	Stop: 803	Pval: 0.000183284	
Element: ATGAGCCAG	Start: 380	Stop: 372	Pval: 0.000211923	
Element: GTGAGTAAT	Start: 803	Stop: 811	Pval: 0.00021765	
Element: ATGAATAAG	Start: 684	Stop: 676	Pval: 0.000229106	
Element: ATCAGTCAT	Start: 408	Stop: 400	Pval: 0.00050976	
Element: ATGACTGAT	Start: 400	Stop: 408	Pval: 0.000807597	
Matched Sequence: YMR096W	3.77544e-06	SNZ1		
Element: CTGAGTCAG	Start: 703	Stop: 695	Pval: 5.72764e-06	
Element: ATGACTCAG	Start: 746	Stop: 754	Pval: 5.72764e-06	
Element: CTGACTCAG	Start: 695	Stop: 703	Pval: 1.14553e-05	
Element: CTGAGTCAT	Start: 754	Stop: 746	Pval: 2.86382e-05	
Element: GTGTGTCAG	Start: 835	Stop: 827	Pval: 0.000114553	
Element: ATGACTCTG	Start: 821	Stop: 829	Pval: 0.000309293	
Matched Sequence: YFR055W	6.18789e-06	x		
Element: GTGACTCAG	Start: 394	Stop: 402	Pval: 5.72764e-06	
Element: CTGAGTCAC	Start: 402	Stop: 394	Pval: 6.3004e-05	
Element: ATGGGTCAG	Start: 233	Stop: 241	Pval: 0.000171829	
Element: ATTACTCAC	Start: 337	Stop: 345	Pval: 0.000183284	
Element: GTGAGTAAT	Start: 345	Stop: 337	Pval: 0.00021765	
Matched Sequence: YJR109C	6.25103e-06	CPA2		
Element: ATGAGTCAT	Start: 662	Stop: 654	Pval: 1.14553e-05	
Element: ATGACTCAT	Start: 654	Stop: 662	Pval: 1.71829e-05	
Element: GTGACTCAA	Start: 219	Stop: 227	Pval: 8.59146e-05	
Element: TTGAGTCAC	Start: 227	Stop: 219	Pval: 0.000108825	
Element: TTGAGTAAG	Start: 785	Stop: 793	Pval: 0.000166102	
Element: ATTAGTAAG	Start: 474	Stop: 466	Pval: 0.000252016	
Element: CTTACTCAA	Start: 793	Stop: 785	Pval: 0.000624313	
Element: AAGAGTCAT	Start: 715	Stop: 707	Pval: 0.0007045	
Element: ATTAGTAAT	Start: 869	Stop: 861	Pval: 0.000916422	
Element: ATGACTCTT	Start: 707	Stop: 715	Pval: 0.000979426	

Matched Sequence: YOL058W	6.96022e-06	ARG1	
Element: ATGAGTCAC	Start: 664	Stop: 656	Pval: 2.29106e-05
Element: GTGACTCAT	Start: 656	Stop: 664	Pval: 3.43658e-05
Element: ATTACTCAT	Start: 754	Stop: 762	Pval: 0.000108825
Element: ATGAGTAAT	Start: 762	Stop: 754	Pval: 0.000137463
Element: GTTAGTCAC	Start: 611	Stop: 619	Pval: 0.000211923
Element: GTAAGTCAG	Start: 28	Stop: 36	Pval: 0.000246288
Element: GTGACTAAC	Start: 619	Stop: 611	Pval: 0.000624313
Element: AAGAGTCAT	Start: 726	Stop: 734	Pval: 0.000693044
Element: TTGAGACAG	Start: 844	Stop: 836	Pval: 0.000864874
Element: ATGACTCTT	Start: 734	Stop: 726	Pval: 0.000990882
Matched Sequence: YDL198C	9.98009e-06	YHM1	
Element: GTGAGTCAC	Start: 844	Stop: 852	Pval: 3.43658e-05
Element: GTGACTCAC	Start: 852	Stop: 844	Pval: 8.0187e-05
Element: ATTACTCAT	Start: 376	Stop: 384	Pval: 0.000108825
Element: ATGAGTAAT	Start: 384	Stop: 376	Pval: 0.000137463
Matched Sequence: YER175C	1.59088e-05	x	
Element: GTGAGTCAT	Start: 838	Stop: 830	Pval: 1.71829e-05
Element: ATGACTCAC	Start: 830	Stop: 838	Pval: 3.43658e-05
Element: ATGAATCAC	Start: 802	Stop: 810	Pval: 0.000114553
Element: TTGAGTAAG	Start: 52	Stop: 60	Pval: 0.000166102
Element: GTGATTCAT	Start: 810	Stop: 802	Pval: 0.000463939
Element: CTTACTCAA	Start: 60	Stop: 52	Pval: 0.000624313
Element: TTTAGTCAA	Start: 687	Stop: 679	Pval: 0.000761776
Element: TTGAGGCAG	Start: 603	Stop: 595	Pval: 0.000864874
Element: GTAAGTCAT	Start: 418	Stop: 426	Pval: 0.000887784
Matched Sequence: YPR167C	2.92551e-05	MET16	
Element: ATGACTCAG	Start: 852	Stop: 860	Pval: 5.72764e-06
Element: CTGAGTCAT	Start: 860	Stop: 852	Pval: 2.86382e-05
Matched Sequence: YER024W	3.25343e-05	x	
Element: ATGAGTAAG	Start: 932	Stop: 940	Pval: 5.15488e-05
Element: ATGAATCAT	Start: 846	Stop: 854	Pval: 8.59146e-05
Element: TTGAGTCAA	Start: 251	Stop: 259	Pval: 0.000114553
Element: ATGAATCAA	Start: 954	Stop: 946	Pval: 0.000148919
Element: TTGACTCAA	Start: 259	Stop: 251	Pval: 0.000160374
Element: ATGATTCAT	Start: 854	Stop: 846	Pval: 0.000263471
Element: CTTACTCAT	Start: 940	Stop: 932	Pval: 0.000274927
Element: ATGTCTCAA	Start: 62	Stop: 54	Pval: 0.000773231
Matched Sequence: YIL116W	3.91473e-05	HIS5	
Element: GTGAGTCAA	Start: 806	Stop: 798	Pval: 6.3004e-05
Element: ATTAGTCAT	Start: 674	Stop: 666	Pval: 0.000103098
Element: TTGACTCAC	Start: 798	Stop: 806	Pval: 0.000114553
Element: ATGACTAAT	Start: 666	Stop: 674	Pval: 0.000183284
Element: TTTAGTCAT	Start: 735	Stop: 727	Pval: 0.000349386
Element: ATGACTAAA	Start: 727	Stop: 735	Pval: 0.000446756
Matched Sequence: YLR152C	5.01257e-05	x	
Element: GTGAGTCAT	Start: 839	Stop: 847	Pval: 1.71829e-05
Element: ATGACTCAC	Start: 847	Stop: 839	Pval: 3.43658e-05
Matched Sequence: YMR095C	0.0001281	SNO1	

Element: ATGACTCAG	Start: 807	Stop: 799	Pval: 5.72764e-06
Element: CTGAGTCAG	Start: 850	Stop: 858	Pval: 5.72764e-06
Element: CTGACTCAG	Start: 858	Stop: 850	Pval: 1.14553e-05
Element: CTGAGTCAT	Start: 799	Stop: 807	Pval: 2.86382e-05
Element: GTGTGTCAG	Start: 718	Stop: 726	Pval: 0.000114553
Element: GTAAGTCAG	Start: 398	Stop: 390	Pval: 0.000246288
Element: ATGACTCTG	Start: 732	Stop: 724	Pval: 0.000309293
Element: ATGATTAAG	Start: 360	Stop: 352	Pval: 0.000927878
Matched Sequence: YBR147W 0.000207304 x			
Element: ATGACTCAA	Start: 778	Stop: 786	Pval: 4.00935e-05
Element: TTGAGTCAT	Start: 786	Stop: 778	Pval: 7.44593e-05
Element: ATTAGTAAG	Start: 51	Stop: 43	Pval: 0.000252016
Element: TTGATTCAG	Start: 364	Stop: 356	Pval: 0.000378024
Element: CTGAATCAA	Start: 356	Stop: 364	Pval: 0.00041239
Element: ATGTGTCAA	Start: 587	Stop: 579	Pval: 0.00050976
Element: AAGAGTCAT	Start: 860	Stop: 868	Pval: 0.000693044
Element: ATGACTCTT	Start: 868	Stop: 860	Pval: 0.000990882
Matched Sequence: YCL030C 0.000207304 HIS4			
Element: GTGAGTCAC	Start: 809	Stop: 801	Pval: 3.43658e-05
Element: GTGACTCAC	Start: 801	Stop: 809	Pval: 8.0187e-05
Element: GTGACTCCG	Start: 757	Stop: 765	Pval: 0.000498305
Element: ATCAGTCAT	Start: 818	Stop: 826	Pval: 0.00050976
Element: ATGGGTCAT	Start: 676	Stop: 684	Pval: 0.000624313
Element: ATGACTGAT	Start: 826	Stop: 818	Pval: 0.000807597
Element: TAGAGTCAG	Start: 753	Stop: 745	Pval: 0.000864874
Element: ATGACCCAT	Start: 684	Stop: 676	Pval: 0.000990882
Matched Sequence: YDR158W 0.000330703 HOM2			
Element: ATGAGTCAA	Start: 824	Stop: 816	Pval: 2.86382e-05
Element: TTGACTCAT	Start: 816	Stop: 824	Pval: 9.73699e-05
Element: ATGAGTGAG	Start: 575	Stop: 583	Pval: 0.000160374
Matched Sequence: YGL059W 0.000381144 x			
Element: ATGACTCAA	Start: 855	Stop: 847	Pval: 4.58211e-05
Element: TTGAGTCAT	Start: 847	Stop: 855	Pval: 6.87317e-05
Matched Sequence: YJR025C 0.000595104 BNA1			
Element: GTGAGTCAC	Start: 878	Stop: 886	Pval: 3.43658e-05
Element: GTGACTCAC	Start: 886	Stop: 878	Pval: 8.0187e-05
Matched Sequence: YMR058W 0.000704062 FET3			
Element: CTAAGTCAG	Start: 716	Stop: 708	Pval: 0.000389479
Element: CTGAGTCTG	Start: 397	Stop: 405	Pval: 0.000475394
Element: GCGACTCAG	Start: 674	Stop: 666	Pval: 0.000504032
Element: ATGTCTCAC	Start: 423	Stop: 415	Pval: 0.000567036
Element: CTGACTTAG	Start: 708	Stop: 716	Pval: 0.000567036
Element: CAGACTCAG	Start: 405	Stop: 397	Pval: 0.000721683
Matched Sequence: YER069W 0.000907486 ARG5,6			
Element: ATGACTCAG	Start: 777	Stop: 785	Pval: 5.72764e-06
Element: CTGAGTCAT	Start: 785	Stop: 777	Pval: 2.86382e-05
Element: ATTAGTCAT	Start: 654	Stop: 646	Pval: 0.000103098
Element: ATGACTAAT	Start: 646	Stop: 654	Pval: 0.000183284
Element: AAGAGTCAT	Start: 831	Stop: 823	Pval: 0.0007045
Element: ATGAATAAT	Start: 571	Stop: 579	Pval: 0.000830508

Element: ATGACTCTT	Start: 823	Stop: 831	Pval: 0.000979426
Matched Sequence: YGR065C	0.000907486	x	
Element: ATGAATCAC	Start: 733	Stop: 741	Pval: 0.000114553
Element: ATTACTCAA	Start: 356	Stop: 364	Pval: 0.000240561
Element: GTGATTCAT	Start: 741	Stop: 733	Pval: 0.000463939
Element: TTGAGTAAT	Start: 364	Stop: 356	Pval: 0.000595675
Element: AAGAGTCAT	Start: 899	Stop: 891	Pval: 0.0007045
Element: TTGCGTCAG	Start: 661	Stop: 669	Pval: 0.000784687
Element: ATGACTCTT	Start: 891	Stop: 899	Pval: 0.000979426
Matched Sequence: YPL250C	0.000907486	x	
Element: ATTACTCAT	Start: 742	Stop: 750	Pval: 0.000108825
Element: ATGAGTAAT	Start: 750	Stop: 742	Pval: 0.000137463
Element: ATGAGTGAG	Start: 304	Stop: 296	Pval: 0.000160374
Element: ATGTGTCAT	Start: 713	Stop: 705	Pval: 0.000211923
Element: ATGAGTCCT	Start: 867	Stop: 859	Pval: 0.0007045
Element: ATGACACAT	Start: 705	Stop: 713	Pval: 0.000979426
Element: AGGACTCAT	Start: 859	Stop: 867	Pval: 0.000979426
Matched Sequence: YPR145W	0.00103888	ASN1	
Element: ATGAGTCAA	Start: 781	Stop: 773	Pval: 2.86382e-05
Element: TTGACTCAT	Start: 773	Stop: 781	Pval: 9.73699e-05
Matched Sequence: YNL036W	0.00123439	NCE3	
Element: CTGAATCAG	Start: 51	Stop: 59	Pval: 8.0187e-05
Element: ATTACTCAT	Start: 831	Stop: 823	Pval: 0.000108825
Element: ATGAGTAAT	Start: 823	Stop: 831	Pval: 0.000137463
Element: CTGATTCAG	Start: 59	Stop: 51	Pval: 0.000183284
Element: GTGAATCAC	Start: 592	Stop: 584	Pval: 0.000211923
Element: GTGATTCAC	Start: 584	Stop: 592	Pval: 0.000796142
Matched Sequence: YER081W	0.00139243	x	
Element: ATTACTCAT	Start: 842	Stop: 834	Pval: 0.000108825
Element: ATGAGTAAT	Start: 834	Stop: 842	Pval: 0.000137463
Element: GTGAGTAAA	Start: 519	Stop: 511	Pval: 0.000526943
Element: GTGAGTAAA	Start: 655	Stop: 647	Pval: 0.000526943
Element: TTTACTCAC	Start: 511	Stop: 519	Pval: 0.000813325
Element: TTTACTCAC	Start: 647	Stop: 655	Pval: 0.000813325
Matched Sequence: YKR069W	0.00159451	MET1	
Element: GTGAATCAT	Start: 814	Stop: 822	Pval: 0.000114553
Element: ATGAGTCCG	Start: 793	Stop: 785	Pval: 0.000211923
Element: TTGAATCAT	Start: 688	Stop: 696	Pval: 0.000320748
Element: ATGATTCAC	Start: 822	Stop: 814	Pval: 0.000463939
Element: ATGATTCAA	Start: 696	Stop: 688	Pval: 0.000612857
Matched Sequence: YLR460C	0.00167013	x	
Element: CTTAGTCAG	Start: 691	Stop: 683	Pval: 8.0187e-05
Element: CTGACTAAG	Start: 683	Stop: 691	Pval: 0.000137463
Element: ATTACTAAG	Start: 833	Stop: 841	Pval: 0.000400935
Element: TTGTCTCAG	Start: 674	Stop: 682	Pval: 0.000418118
Element: CTGAATAAG	Start: 157	Stop: 149	Pval: 0.000618585
Matched Sequence: YOL064C	0.0019627	MET22	
Element: ATGACTCAG	Start: 846	Stop: 854	Pval: 5.72764e-06
Element: CTGAGTCAT	Start: 854	Stop: 846	Pval: 2.86382e-05

Element: ATTAATAAG	Start: 446	Stop: 454	Pval: 0.000400935
Element: GTTAGTAAG	Start: 950	Stop: 958	Pval: 0.000463939
Element: GTGTGTCAC	Start: 387	Stop: 395	Pval: 0.000721683
Element: TAGAGTCAG	Start: 166	Stop: 174	Pval: 0.000864874
Matched Sequence: YBR256C	0.00218872	RIB5	
Element: ATTAGTCAT	Start: 906	Stop: 914	Pval: 0.000103098
Element: ATGACTAAT	Start: 914	Stop: 906	Pval: 0.000189012
Element: ATGAATAAG	Start: 292	Stop: 284	Pval: 0.000229106
Element: ATTTGTCAG	Start: 228	Stop: 220	Pval: 0.000446756
Matched Sequence: YDR533C	0.00270865	x	
Element: ATTAGTCAG	Start: 648	Stop: 640	Pval: 2.86382e-05
Element: GTTACTCAT	Start: 739	Stop: 747	Pval: 0.000183284
Element: ATGAGTAAC	Start: 747	Stop: 739	Pval: 0.00021765
Element: CTGACTAAT	Start: 640	Stop: 648	Pval: 0.000469666
Matched Sequence: YNR050C	0.00275605	LYS9	
Element: ATTAGTCAT	Start: 751	Stop: 759	Pval: 0.000108825
Element: ATGAGTAAT	Start: 759	Stop: 751	Pval: 0.000137463
Matched Sequence: YDL066W	0.00386696	IDP1	
Element: GTGAGTCAA	Start: 900	Stop: 892	Pval: 6.3004e-05
Element: TTGACTCAC	Start: 892	Stop: 900	Pval: 0.000114553
Element: TTGAATCAT	Start: 817	Stop: 825	Pval: 0.000320748
Element: ATGATTCAA	Start: 825	Stop: 817	Pval: 0.000612857
Element: AAGAGTCAT	Start: 527	Stop: 519	Pval: 0.0007045
Element: ATGACTCTT	Start: 519	Stop: 527	Pval: 0.000979426
Matched Sequence: YIR034C	0.00411506	LYS1	
Element: ATGAGTCAA	Start: 750	Stop: 758	Pval: 2.86382e-05
Element: TTGACTCAT	Start: 758	Stop: 750	Pval: 9.73699e-05
Element: ATGACTCTG	Start: 430	Stop: 438	Pval: 0.000309293
Element: GTGCCTCAG	Start: 64	Stop: 56	Pval: 0.000463939
Element: AAGAGTCAT	Start: 865	Stop: 873	Pval: 0.000693044
Element: ATGACTCTT	Start: 873	Stop: 865	Pval: 0.000990882
Matched Sequence: YLR303W	0.00412135	MET17	
Element: ATTAGTCAT	Start: 751	Stop: 743	Pval: 0.000103098
Element: ATGACTAAT	Start: 743	Stop: 751	Pval: 0.000183284
Element: GTTAGTCAA	Start: 755	Stop: 763	Pval: 0.000320748
Matched Sequence: YDR353W	0.00560117	TRR1	
Element: ATGACTAAG	Start: 816	Stop: 808	Pval: 8.59146e-05
Element: CTTAGTCAT	Start: 808	Stop: 816	Pval: 0.000177557
Matched Sequence: YBR145W	0.00605618	ADH5	
Element: ATGAGTCAA	Start: 773	Stop: 781	Pval: 2.86382e-05
Element: TTGACTCAT	Start: 781	Stop: 773	Pval: 9.73699e-05
Element: GTGAGACAG	Start: 935	Stop: 927	Pval: 0.000383752
Element: ATCAGTCAT	Start: 632	Stop: 624	Pval: 0.00050976
Element: ATGACTGAT	Start: 624	Stop: 632	Pval: 0.000807597
Matched Sequence: YOL154W	0.00610964	x	
Element: CTGAATCAG	Start: 601	Stop: 609	Pval: 8.0187e-05
Element: CTGATTCAG	Start: 609	Stop: 601	Pval: 0.000183284

Matched Sequence: YBR047W	0.00712194	x		
Element: ATTACTCAT	Start: 859	Stop: 867	Pval: 0.000108825	
Element: ATGAGTAAT	Start: 867	Stop: 859	Pval: 0.000137463	
Element: ATTATTCAG	Start: 939	Stop: 931	Pval: 0.000486849	
Element: TTGAGTTAG	Start: 388	Stop: 396	Pval: 0.00072741	
Element: ATGAATAAT	Start: 923	Stop: 915	Pval: 0.000836235	
 Matched Sequence: YHR018C	 0.00712194	 ARG4		
Element: GTGAGTCAT	Start: 829	Stop: 821	Pval: 1.71829e-05	
Element: ATGACTCAC	Start: 821	Stop: 829	Pval: 3.43658e-05	
Element: GTTACTCAT	Start: 778	Stop: 786	Pval: 0.000183284	
Element: ATGAGTAAC	Start: 786	Stop: 778	Pval: 0.00021765	
Element: ATGAATAAT	Start: 602	Stop: 594	Pval: 0.000836235	
 Matched Sequence: YGL255W	 0.00712194	 ZRT1		
Element: ATTAGTCAA	Start: 503	Stop: 511	Pval: 0.000160374	
Element: ATGAGACAG	Start: 775	Stop: 783	Pval: 0.000200467	
Element: ATGACTTAG	Start: 882	Stop: 890	Pval: 0.00021765	
Element: CTGTCTCAT	Start: 783	Stop: 775	Pval: 0.000796142	
Element: TTGACTAAT	Start: 511	Stop: 503	Pval: 0.000836235	
 Matched Sequence: YKL218C	 0.00883307	 x		
Element: ATTAGTCAT	Start: 810	Stop: 802	Pval: 0.000103098	
Element: ATGAATCAA	Start: 164	Stop: 156	Pval: 0.000148919	
Element: ATGACTAAT	Start: 802	Stop: 810	Pval: 0.000183284	
Element: ATGAGGCAT	Start: 468	Stop: 460	Pval: 0.0007045	
Element: ATGCCTCAT	Start: 460	Stop: 468	Pval: 0.000876329	
 Matched Sequence: YJR010W	 0.00977642	 MET3		
Element: CTGAGTAAG	Start: 283	Stop: 291	Pval: 0.000108825	
Element: CTTACTCAG	Start: 291	Stop: 283	Pval: 0.000108825	
Element: GTGTGTCAT	Start: 576	Stop: 568	Pval: 0.00041239	