

ROVER Output:

Matrix: GCN4 Accessions(YEL009C)

Binomial p-value: 1.00356e-19

Matched Sequence: YOR202W	2.34082e-07	HIS3	
Element: CAGTGACTCC	Start: 723	Stop: 714	Pval: 0
Element: GGATGACTCT	Start: 876	Stop: 885	Pval: 5.669e-06
Matched Sequence: YKL218C	7.69559e-06	x	
Element: TAGTGACTCT	Start: 438	Stop: 447	Pval: 5.669e-05
Element: CATTGATTCA	Start: 154	Stop: 163	Pval: 9.0704e-05
Element: AAATGACTAA	Start: 800	Stop: 809	Pval: 0.00011338
Element: AAATGACGCT	Start: 222	Stop: 213	Pval: 0.000198415
Element: TAATGAATCA	Start: 166	Stop: 157	Pval: 0.000238098
Element: GAATGACTGT	Start: 720	Stop: 711	Pval: 0.000345809
Matched Sequence: YCL030C	1.96933e-05	HIS4	
Element: CAGTGACTCA	Start: 799	Stop: 808	Pval: 0
Element: TAGTGACTCC	Start: 755	Stop: 764	Pval: 5.669e-05
Element: AACTGACTCT	Start: 743	Stop: 752	Pval: 9.0704e-05
Element: GAATGACTGA	Start: 828	Stop: 819	Pval: 0.000158732
Matched Sequence: YGL184C	2.02136e-05	x	
Element: GAATGAGTCA	Start: 621	Stop: 612	Pval: 0.000124718
Element: GGCTGACTCA	Start: 609	Stop: 618	Pval: 0.00017007
Element: CAATGACTGT	Start: 916	Stop: 907	Pval: 0.000232429
Element: CGATGAGTCT	Start: 737	Stop: 728	Pval: 0.000368485
Element: GGAAGACTCA	Start: 725	Stop: 734	Pval: 0.000391161
Element: GTATGATTCA	Start: 62	Stop: 71	Pval: 0.000402499
Matched Sequence: YIR034C	2.09701e-05	LYS1	
Element: CCATGACTCT	Start: 428	Stop: 437	Pval: 0.000130387
Element: CGATGAGTCA	Start: 748	Stop: 757	Pval: 0.000175739
Element: AAAAGACTCT	Start: 759	Stop: 768	Pval: 0.000198415
Element: TTATGACTCT	Start: 875	Stop: 866	Pval: 0.000362816
Element: TAATGACCCT	Start: 678	Stop: 687	Pval: 0.000691618
Element: GGATGACTTT	Start: 883	Stop: 874	Pval: 0.000804998
Element: GGGTGCCTCA	Start: 66	Stop: 57	Pval: 0.000827674
Element: TTTTACTCA	Start: 760	Stop: 751	Pval: 0.000839012
Element: AAGTGGTTCA	Start: 425	Stop: 416	Pval: 0.000918378
Matched Sequence: YDR354W	4.74995e-05	TRP4	
Element: AAATGATTCA	Start: 848	Stop: 857	Pval: 0
Element: GATTGACTCT	Start: 833	Stop: 842	Pval: 7.9366e-05
Element: TGGTGACTCT	Start: 38	Stop: 47	Pval: 9.6373e-05
Matched Sequence: YIL116W	7.29908e-05	HIS5	
Element: AATTGACTCC	Start: 700	Stop: 691	Pval: 3.9683e-05
Element: TGTTGACTCA	Start: 796	Stop: 805	Pval: 0.000130387
Element: AAGTGAGTCA	Start: 808	Stop: 799	Pval: 0.000130387
Element: AGATGACTAA	Start: 725	Stop: 734	Pval: 0.000277781
Element: TAATGACTAA	Start: 664	Stop: 673	Pval: 0.00034014
Matched Sequence: YCL009C	8.9031e-05	ILV6	
Element: AATTGATTCT	Start: 468	Stop: 459	Pval: 0.000130387
Element: AAGTGAGTCA	Start: 860	Stop: 851	Pval: 0.000130387
Element: AAGAGACTCA	Start: 148	Stop: 139	Pval: 0.000204084

Element: TCGTGA	Start: 848	Stop: 857	Pval: 0.000368485
Element: TAATGAGTCT	Start: 136	Stop: 145	Pval: 0.000408168
Element: AGGTGATTCG	Start: 839	Stop: 830	Pval: 0.00079366
Element: GATGGA	Start: 662	Stop: 671	Pval: 0.000827674
Element: AAATGGTTCT	Start: 509	Stop: 500	Pval: 0.000884364
Matched Sequence: YMR108W	0.000150871	ILV2	
Element: CGATGATTC	Start: 643	Stop: 652	Pval: 5.669e-05
Element: AAATGAATCA	Start: 655	Stop: 646	Pval: 7.9366e-05
Element: AATTGATTCT	Start: 995	Stop: 986	Pval: 0.000130387
Matched Sequence: YJR109C	0.00015805	CPA2	
Element: AAATGA	Start: 652	Stop: 661	Pval: 0
Element: GAATGACTCT	Start: 705	Stop: 714	Pval: 0
Element: TGGTGA	Start: 217	Stop: 226	Pval: 7.3697e-05
Element: GGATGAGTCA	Start: 664	Stop: 655	Pval: 0.000328802
Element: AAGTGACCCT	Start: 422	Stop: 431	Pval: 0.000391161
Element: AGGTGACACA	Start: 785	Stop: 776	Pval: 0.000561231
Matched Sequence: YMR062C	0.000239888	ECM40	
Element: GGATGA	Start: 846	Stop: 855	Pval: 0
Element: CAATGAATCT	Start: 318	Stop: 327	Pval: 0.000141725
Element: CAGTGAGTCA	Start: 858	Stop: 849	Pval: 0.000147394
Matched Sequence: YER069W	0.000410375	ARG5,6	
Element: GAATGA	Start: 775	Stop: 784	Pval: 0
Element: TGATGACTCT	Start: 821	Stop: 830	Pval: 6.8028e-05
Element: GAATGACTAA	Start: 644	Stop: 653	Pval: 0.00017007
Matched Sequence: YPR058W	0.000448813	YMC1	
Element: GATTGA	Start: 802	Stop: 811	Pval: 5.669e-06
Element: GAATGAGTCA	Start: 814	Stop: 805	Pval: 0.000124718
Element: AACTGATTCA	Start: 577	Stop: 586	Pval: 0.000215422
Element: CCGTGA	Start: 531	Stop: 522	Pval: 0.000311795
Matched Sequence: YDR158W	0.000576032	HOM2	
Element: GATTGA	Start: 814	Stop: 823	Pval: 5.669e-06
Element: AAATGAGTCA	Start: 826	Stop: 817	Pval: 7.9366e-05
Matched Sequence: YPL092W	0.000629738	SSU1	
Element: AGAAGACTCA	Start: 694	Stop: 703	Pval: 0.000277781
Element: CGATGAGTCT	Start: 706	Stop: 697	Pval: 0.000368485
Element: AGATGACACT	Start: 465	Stop: 474	Pval: 0.000532886
Element: AATTGACTGA	Start: 596	Stop: 605	Pval: 0.000561231
Element: CGATGTCTCC	Start: 582	Stop: 591	Pval: 0.00068028
Element: AGGTGAATCT	Start: 42	Stop: 51	Pval: 0.000708625
Matched Sequence: YKL211C	0.000727328	TRP3	
Element: CGTTGA	Start: 875	Stop: 884	Pval: 5.669e-05
Element: GAATGAGTCA	Start: 887	Stop: 878	Pval: 0.000124718
Element: AAATGCCTCT	Start: 834	Stop: 843	Pval: 0.000198415
Matched Sequence: YBR147W	0.000881554	x	
Element: CAATGA	Start: 776	Stop: 785	Pval: 0
Element: GATTGATTCA	Start: 366	Stop: 357	Pval: 0.000124718
Element: GATTGATTCT	Start: 273	Stop: 264	Pval: 0.000266443
Element: TTATGA	Start: 870	Stop: 861	Pval: 0.000362816

Matched Sequence: YOL140W	0.00106637	ARG8	
Element: ATGTGACTCA	Start: 818	Stop: 827	Pval: 0.000130387
Element: AAGTGAGTCA	Start: 830	Stop: 821	Pval: 0.000130387
Element: CAGTGACTAA	Start: 737	Stop: 746	Pval: 0.000243767
Element: AGATCACTCA	Start: 639	Stop: 648	Pval: 0.000277781
Element: AAGTGACTGC	Start: 944	Stop: 953	Pval: 0.000447851
Element: GAATAATTCA	Start: 975	Stop: 984	Pval: 0.000776653
Matched Sequence: YGL224C	0.00120587	x	
Element: AAATTACTCA	Start: 721	Stop: 730	Pval: 0.00011338
Element: CAATGAATCC	Start: 110	Stop: 119	Pval: 0.00017007
Element: CGATGACTAA	Start: 717	Stop: 708	Pval: 0.000323133
Element: CAGTGTCTCT	Start: 566	Stop: 557	Pval: 0.000425175
Element: TAATGATTCG	Start: 991	Stop: 982	Pval: 0.000561231
Element: TGATTACTCA	Start: 586	Stop: 595	Pval: 0.00079366
Matched Sequence: YGL117W	0.00141771	x	
Element: AAATGACTCA	Start: 755	Stop: 746	Pval: 0
Element: AAATGACACA	Start: 606	Stop: 615	Pval: 0.00011338
Element: TAATGAGTCA	Start: 743	Stop: 752	Pval: 0.000238098
Matched Sequence: YER055C	0.00143794	HIS1	
Element: AGGTGACTCA	Start: 826	Stop: 817	Pval: 0
Element: AAGTGAGTCA	Start: 814	Stop: 823	Pval: 0.000136056
Element: CAATGACTTT	Start: 709	Stop: 700	Pval: 0.000232429
Element: GCGTGACTCT	Start: 716	Stop: 725	Pval: 0.000368485
Element: CAAAGATTCA	Start: 955	Stop: 946	Pval: 0.000600914
Matched Sequence: YDL066W	0.0016483	IDP1	
Element: GAATGATTCA	Start: 827	Stop: 818	Pval: 5.669e-06
Element: TGATGACTCT	Start: 517	Stop: 526	Pval: 6.8028e-05
Element: GAGGGACTCA	Start: 924	Stop: 933	Pval: 0.000357147
Element: AAGAGACTCT	Start: 653	Stop: 644	Pval: 0.000391161
Element: GGAGGACTCT	Start: 738	Stop: 747	Pval: 0.000804998
Element: TTTTGACTCA	Start: 890	Stop: 899	Pval: 0.000839012
Matched Sequence: YMR095C	0.00165289	SNO1	
Element: TAATGACTCA	Start: 809	Stop: 800	Pval: 0
Element: CAATGCCTCA	Start: 268	Stop: 277	Pval: 0.000119049
Element: TACTGACTCA	Start: 860	Stop: 851	Pval: 0.000130387
Element: TCATGACTCT	Start: 734	Stop: 725	Pval: 0.000362816
Element: CGATGTCTCT	Start: 91	Stop: 82	Pval: 0.000617921
Matched Sequence: YPR167C	0.00271546	MET16	
Element: ACATGACTCA	Start: 850	Stop: 859	Pval: 7.9366e-05
Element: GAAGGACTCA	Start: 471	Stop: 480	Pval: 0.00017007
Element: CAATGTCTCC	Start: 105	Stop: 96	Pval: 0.000306126
Element: AAGTGAATCT	Start: 183	Stop: 192	Pval: 0.000328802
Element: TATTGATTCT	Start: 745	Stop: 754	Pval: 0.000436513
Element: AAGAGATTCA	Start: 195	Stop: 186	Pval: 0.000918378
Matched Sequence: YBR145W	0.00271546	ADH5	
Element: AAATGACTGA	Start: 622	Stop: 631	Pval: 0.00011338
Element: AAATGACGCT	Start: 236	Stop: 245	Pval: 0.000198415
Element: CAATGTCTCT	Start: 935	Stop: 944	Pval: 0.000232429
Element: GGATGAGTCA	Start: 771	Stop: 780	Pval: 0.000328802

Element: TTTTGACTCA	Start: 783	Stop: 774	Pval: 0.000839012
Element: AAGTTATTCA	Start: 222	Stop: 213	Pval: 0.000918378
Matched Sequence: YBR249C	0.00300072	ARO4	
Element: AAATGACTCA	Start: 686	Stop: 695	Pval: 0
Element: AAGTGATTCT	Start: 635	Stop: 626	Pval: 7.9366e-05
Element: ACGTGATTCA	Start: 454	Stop: 445	Pval: 0.000634928
Element: TAATTACTCT	Start: 915	Stop: 906	Pval: 0.000691618
Element: GAGAGACTCT	Start: 937	Stop: 928	Pval: 0.000697287
Element: CGTTGAGTCA	Start: 698	Stop: 689	Pval: 0.000935385
Matched Sequence: YGL180W	0.00399511	APG1	
Element: CAATGACTAA	Start: 220	Stop: 229	Pval: 0.000119049
Element: AAATGACACT	Start: 93	Stop: 102	Pval: 0.000198415
Element: AAATGACGCT	Start: 620	Stop: 611	Pval: 0.000198415
Element: TAATGAATCT	Start: 427	Stop: 436	Pval: 0.000408168
Element: GAGTGACACT	Start: 75	Stop: 84	Pval: 0.000697287
Element: AGGTGACTTT	Start: 269	Stop: 260	Pval: 0.000986406
Matched Sequence: YHR018C	0.00447894	ARG4	
Element: GAATGACTCA	Start: 819	Stop: 828	Pval: 0
Element: AAGTGAGTCA	Start: 831	Stop: 822	Pval: 0.000130387
Element: CAGTGAATCT	Start: 459	Stop: 450	Pval: 0.000328802
Matched Sequence: YDR127W	0.00458168	ARO1	
Element: ATATGACTCA	Start: 775	Stop: 784	Pval: 7.9366e-05
Element: GGATGAGTCA	Start: 787	Stop: 778	Pval: 0.000328802
Element: GAATGACTAC	Start: 469	Stop: 478	Pval: 0.000368485
Element: AGATGACGCT	Start: 590	Stop: 599	Pval: 0.000532886
Matched Sequence: YGL125W	0.00475406	MET11	
Element: GTATGACTCA	Start: 615	Stop: 624	Pval: 9.6373e-05
Element: GAATGACTAA	Start: 706	Stop: 697	Pval: 0.000158732
Element: CTTTGACTCA	Start: 746	Stop: 755	Pval: 0.000334471
Matched Sequence: YMR096W	0.00630038	SNZ1	
Element: TAATGACTCA	Start: 744	Stop: 753	Pval: 0
Element: TACTGACTCA	Start: 693	Stop: 702	Pval: 0.000130387
Element: TCATGACTCT	Start: 819	Stop: 828	Pval: 0.000362816
Matched Sequence: YGR239C	0.00749282	x	
Element: AGATGACTCT	Start: 79	Stop: 88	Pval: 0
Element: GGATGACTAA	Start: 842	Stop: 851	Pval: 0.000402499
Element: CAATCATTCA	Start: 290	Stop: 281	Pval: 0.000600914
Element: CAATGGTTCA	Start: 625	Stop: 634	Pval: 0.000600914
Matched Sequence: YFR030W	0.00807932	MET10	
Element: AAAAGACTCA	Start: 818	Stop: 827	Pval: 0.00011338
Element: GAATGAGTCT	Start: 830	Stop: 821	Pval: 0.000243767
Element: AGATGACTAT	Start: 858	Stop: 849	Pval: 0.000532886
Element: AGCTGATTCA	Start: 527	Stop: 518	Pval: 0.000612252
Matched Sequence: YKL001C	0.00916621	MET14	
Element: GAATGATTCT	Start: 585	Stop: 576	Pval: 6.2359e-05
Element: GAACGACTCA	Start: 830	Stop: 839	Pval: 0.00017007
Element: GATTGATTCT	Start: 89	Stop: 98	Pval: 0.000266443
Element: AGATAACTCT	Start: 558	Stop: 567	Pval: 0.000532886

Element: AAATGATTGT	Start: 483	Stop: 474	Pval: 0.000884364
Matched Sequence: YNL104C	0.00916621	LEU4	
Element: AAGTGACTCA	Start: 897	Stop: 906	Pval: 0
Element: CGATGACACA	Start: 286	Stop: 295	Pval: 0.000323133
Element: CGATGACTAA	Start: 588	Stop: 579	Pval: 0.000323133
Element: AAATGATTAT	Start: 852	Stop: 843	Pval: 0.000884364
Element: AAAGGATTCT	Start: 938	Stop: 947	Pval: 0.000884364
Matched Sequence: YER175C	0.00916621	x	
Element: AAATGAATCA	Start: 800	Stop: 809	Pval: 7.9366e-05
Element: AATTGATTCT	Start: 135	Stop: 126	Pval: 0.000130387
Element: TCATGACTCA	Start: 828	Stop: 837	Pval: 0.000175739
Element: GTGTGATTCA	Start: 812	Stop: 803	Pval: 0.000839012
Element: AAATTATTCT	Start: 541	Stop: 532	Pval: 0.000884364
Matched Sequence: YER073W	0.00968323	x	
Element: AAGTGTCTCA	Start: 930	Stop: 939	Pval: 0.000215422
Element: CAATGACGCT	Start: 143	Stop: 152	Pval: 0.000238098
Element: AGATGCCTCA	Start: 418	Stop: 409	Pval: 0.000277781
Element: TGATGAGTCA	Start: 783	Stop: 774	Pval: 0.000640597

Matrix: GCN4 Accessions (YEL009C)

Binomial p-value: 2.68488e-40

Matched Sequence: YMR095C	3.64143e-08	SNO1	
Element: TTCATGACTCTGACACACTCTGCCGCA		Start: 735	Stop: 709
Pval: 8.07512e-05			
Element: CATGACATAATGACTCAGCCGACAAGG		Start: 816	Stop: 790
Pval: 0.000103823			
Element: CCTTGTCGGCTGAGTCATTATGTCATG		Start: 790	Stop: 816
Pval: 0.000126895			
Element: ACCCTTGGTACGAATCATAGCGGCGCC		Start: 106	Stop: 132
Pval: 0.000155734			
Element: TGCCGTTTACTGACTCAGTTGGAATTT		Start: 867	Stop: 841
Pval: 0.000173038			
Element: CCTGCTGATTGGACTCACCACATTGAA		Start: 231	Stop: 205
Pval: 0.000259557			
Element: CAACTTCCAATGCCTCAATAATTTGAG		Start: 261	Stop: 287
Pval: 0.000259557			
Element: CATTCTTCATGACTCTGACACACTCT		Start: 741	Stop: 715
Pval: 0.000288397			
Element: GGCGCCGCTATGATTTCGTACCAAGGGT		Start: 132	Stop: 106
Pval: 0.000415292			
Element: AAACCTTTCCTGACTTACGCATATCTG		Start: 381	Stop: 407
Pval: 0.000513347			
Element: CTAGTTGGAATAGCTCATCATGACATA		Start: 834	Stop: 808
Pval: 0.000547955			
Element: AAATTCCAACCTGAGTCAGTAAACGGCA		Start: 841	Stop: 867
Pval: 0.000882495			

Matched Sequence: YPL250C	5.70983e-06	x	
Element: CGCGCGAAGATGACACATTGCACACCA		Start: 696	Stop: 722
Pval: 0			
Element: ACCATTGTTATTACTCATTTCACTGTT		Start: 733	Stop: 759
Pval: 0.000109591			

Element: GCTCGCCCACTCACTCATCTCCATTAG Start: 287 Stop: 313
 Pval: 0.000173038
 Element: ATGGAGAATATGGCTCACAACCCCAAG Start: 506 Stop: 480
 Pval: 0.000386452
 Element: TATAAGAACAGGACTCATCTTGATTTTC Start: 850 Stop: 876
 Pval: 0.000501811
 Element: TCTCCATTAGAGACTCAACCACATTTG Start: 304 Stop: 330
 Pval: 0.00061717
 Element: CTTGGGGTTGTGAGCCATATTCTCCAT Start: 480 Stop: 506
 Pval: 0.000709457
 Element: CCATCTGCGTTGTTTCATAACCAGCCC Start: 503 Stop: 529
 Pval: 0.000738297
 Element: CCTGGCTCGCCCACTCACTCATCTCCA Start: 283 Stop: 309
 Pval: 0.000801744

Matched Sequence: YNL104C 5.9404e-06 LEU4

Element: TACGTGTAAGTGACTCAGTTCTTTCAA Start: 890 Stop: 916
 Pval: 2.30718e-05
 Element: TGTGGCCCGATGACACACAATAGCATG Start: 279 Stop: 305
 Pval: 8.07512e-05
 Element: CAGCCAAGTATGACACACATTCAACTC Start: 658 Stop: 632
 Pval: 8.07512e-05
 Element: GGTAGAGCGATGACTAACCTACTACTG Start: 595 Stop: 569
 Pval: 0.000109591
 Element: AACCTACTACTGTCTCAGAGCCGGTCC Start: 580 Stop: 554
 Pval: 0.000213414
 Element: ACACAGCTGGTGTCTCGTCGCACATGC Start: 327 Stop: 301
 Pval: 0.000386452
 Element: GGACTGCTCCTGCTTCATCGTTCACAG Start: 3 Stop: 29
 Pval: 0.000438364
 Element: CATGCTATTGTGTGTCATCGGGCCACA Start: 305 Stop: 279
 Pval: 0.000709457
 Element: CTTCAGGAGTTGACTAATATATGAAAT Start: 116 Stop: 142
 Pval: 0.000720993
 Element: CGCATGACAGTGACTGGCCGTTACTGT Start: 695 Stop: 669
 Pval: 0.000992086

Matched Sequence: YGL184C 8.5388e-06 x

Element: GTTATCCGGCTGACTCATTCTGACTCT Start: 602 Stop: 628
 Pval: 5.76794e-06
 Element: CTACCTTGAAGACTCATCGCATCTCA Start: 718 Stop: 744
 Pval: 1.73038e-05
 Element: AGAGTCAGAATGAGTCAGCCGGATAAC Start: 628 Stop: 602
 Pval: 8.07512e-05
 Element: TCAACTCGCTTGAATCATAACAATTTTT Start: 81 Stop: 55
 Pval: 0.000109591
 Element: TGAGATGCGATGAGTCTTCCAAGGTAG Start: 744 Stop: 718
 Pval: 0.000340309
 Element: TGACTCATTCTGACTCTTTTTTTGGAAA Start: 612 Stop: 638
 Pval: 0.000357613

Matched Sequence: YOL058W 1.69943e-05 ARG1

Element: TGCCTTTAAATGACTCTTCCATACGGC Start: 743 Stop: 717
 Pval: 5.76794e-05
 Element: CCGTCAGTAGTGACTAACATAGCGCTC Start: 628 Stop: 602
 Pval: 7.49833e-05
 Element: GATTTTTTAGTGACTCATGTGCGATTT Start: 647 Stop: 673

Pval: 0.000149967
 Element: CCAATGAAGATGAGTAATCTCTCTCTC Start: 771 Stop: 745
 Pval: 0.000259557
 Element: CTTCCAAGGCTGACTTACCGGTCTTGG Start: 45 Stop: 19
 Pval: 0.000582562
 Element: GCCGTATGGAAGAGTCATTTAAAGGCA Start: 717 Stop: 743
 Pval: 0.000709457
 Element: AAATGCGACATGAGTCACTAAAAAATC Start: 673 Stop: 647
 Pval: 0.000726761
 Element: CCAAGACCGGTAAGTCAGCCTTGGAAAG Start: 19 Stop: 45
 Pval: 0.000778672
 Element: AGACTGGCACTGTCTCAATAGTATATT Start: 827 Stop: 853
 Pval: 0.000911335

Matched Sequence: YIL116W 6.63654e-05 HIS5
 Element: AAATAATTAATGACTAATCCGAAGTTA Start: 657 Stop: 683
 Pval: 0.000161502
 Element: TCCTGGACAGTAATAACAGAAGCC Start: 554 Stop: 580
 Pval: 0.00036338
 Element: TTGGATCTGTTGACTCACTTCAATTGA Start: 789 Stop: 815
 Pval: 0.00042106
 Element: ACCTGTTTGATGACTACTTCATCAATT Start: 422 Stop: 448
 Pval: 0.00061717
 Element: GAATCTGAGATGACTAACTACCAATT Start: 718 Stop: 744
 Pval: 0.000790208
 Element: TCAATTGAAGTGAGTCAACAGATCCAA Start: 815 Stop: 789
 Pval: 0.000807512
 Element: TAACTTCGGATTAGTCATTAATTATTT Start: 683 Stop: 657
 Pval: 0.00084212
 Element: CCCTGGGCGCTGTGCGATTAAGAATAT Start: 47 Stop: 73
 Pval: 0.000865192

Matched Sequence: YER090W 9.66501e-05 TRP2
 Element: AGTGATTTGCTGACTCATTACGATTTT Start: 829 Stop: 855
 Pval: 1.73038e-05
 Element: ACTCCGGTGCTGACTCCTTGACCGCGT Start: 349 Stop: 323
 Pval: 2.30718e-05
 Element: CTAGAATGTGTGAATCCTCCATTGACA Start: 266 Stop: 292
 Pval: 0.000415292
 Element: AAAATCGTAATGAGTCAGCAAATCACT Start: 855 Stop: 829
 Pval: 0.000432596
 Element: CCAAGGGCTTTGATTGATACTTTCATA Start: 116 Stop: 90
 Pval: 0.000530651
 Element: TTACGATTTTTCACTCATCGAAGTATT Start: 846 Stop: 872
 Pval: 0.000582562
 Element: CCTAGGATTTTACTATTCCATTGTTG Start: 449 Stop: 423
 Pval: 0.000709457

Matched Sequence: YOL140W 9.78705e-05 ARG8
 Element: GCTCGCTATGTGACTCACTTAAAGTAC Start: 811 Stop: 837
 Pval: 1.73038e-05
 Element: TGTAAAAGTGTGACACATTCTTGCTAC Start: 30 Stop: 4
 Pval: 0.000115359
 Element: GACTTTAAGTGAGTCACATAGCGAGC Start: 837 Stop: 811
 Pval: 0.000432596
 Element: TGTTAGCGTCTCACTCAGCGGATCAAG Start: 609 Stop: 583
 Pval: 0.000484507

Element: TATGGGAAGATCACTCACTAATGCTTG	Start: 632	Stop: 658
Pval: 0.000484507		
Element: TTTGGATCAGTGACTAATGTAGGTCTT	Start: 730	Stop: 756
Pval: 0.000484507		
Element: CCTACATTAGTCACTGATCCAAAGCCG	Start: 752	Stop: 726
Pval: 0.000899799		
Element: CCAATTACGGTGATTAAGAAGCTCCAG	Start: 439	Stop: 465
Pval: 0.000911335		
Matched Sequence: YER073W 0.00012006 x		
Element: GGAAGACTTCTGACTCATCACTACGCA	Start: 764	Stop: 790
Pval: 0		
Element: AAAAGAAAGATGCCTCATCGAAATTAA	Start: 425	Stop: 399
Pval: 9.22871e-05		
Element: TGCGTAGTGATGAGTCAGAAGTCTTCC	Start: 790	Stop: 764
Pval: 0.000259557		
Element: ATACGATAAGTGTCTCATCAAACGTGG	Start: 923	Stop: 949
Pval: 0.000294165		
Element: CCACGTTTGTGAGACACTTATCGTAT	Start: 949	Stop: 923
Pval: 0.00036338		
Element: GTCCTTATGATGACAGATTGGGGCCCA	Start: 55	Stop: 81
Pval: 0.000726761		
Element: TAAGCGTGGGTTACGCACAAACTGTAT	Start: 187	Stop: 213
Pval: 0.000732529		
Matched Sequence: YHR018C 0.000219873 ARG4		
Element: AGTAGATGAATGACTCACTTTTTGGAT	Start: 812	Stop: 838
Pval: 1.73038e-05		
Element: CTTGTGGTGGTTACTCATTGGCAGAAT	Start: 769	Stop: 795
Pval: 4.61436e-05		
Element: CCTGTTGTGTGACAGATTCCTGTCA	Start: 436	Stop: 462
Pval: 8.07512e-05		
Element: ATCCAAAAGTGAGTCATTCATCTACT	Start: 838	Stop: 812
Pval: 0.000259557		
Element: ACAGTGAATCTGTACACAACCAGGCT	Start: 460	Stop: 434
Pval: 0.00042106		
Element: ATTCTGCCAATGAGTAACCACCACAAG	Start: 795	Stop: 769
Pval: 0.000767137		
Element: CGCCTACTACTGGTTCATTGACCAAAG	Start: 353	Stop: 379
Pval: 0.000801744		
Matched Sequence: YJR111C 0.000266454 x		
Element: AAAAAATGTGTGACTAATAATTACTCA	Start: 833	Stop: 859
Pval: 0.000184574		
Element: ACTTGTGTACTGACTTACACATACATA	Start: 885	Stop: 911
Pval: 0.000259557		
Element: TGAATAATAATTACTCAACGAAGCATA	Start: 843	Stop: 869
Pval: 0.000403756		
Element: TCAGTTCGTCCAACCTATTTAGTTTCT	Start: 413	Stop: 439
Pval: 0.000530651		
Element: CGAGAATGGTTAACTCACATGGAATAC	Start: 682	Stop: 656
Pval: 0.000530651		
Element: TGAGTAATTATTAGTCACACATTTTTT	Start: 859	Stop: 833
Pval: 0.000622938		
Matched Sequence: YER175C 0.000367227 x		
Element: TTGATGTTTCATGACTCACAGTAATATC	Start: 821	Stop: 847

Pval: 4.61436e-05
 Element: ACATAAGGTGTGATTCATTTATAGTAA Start: 819 Stop: 793
 Pval: 8.07512e-05
 Element: TATGTCAATATGACTTACTGAGAACAT Start: 435 Stop: 409
 Pval: 0.000155734
 Element: GATATTACTGTGAGTCATGAACATCAA Start: 847 Stop: 821
 Pval: 0.00042106
 Element: TTACTATAAATGAATCACACCTTATGT Start: 793 Stop: 819
 Pval: 0.000444132
 Element: ACGTTTGTGTTTACTAAAACAGATAAA Start: 670 Stop: 696
 Pval: 0.000657546

Matched Sequence: YGR065C 0.000367227 x
 Element: AAAATCTGCATGACTCTTACGGCTATA Start: 882 Stop: 908
 Pval: 0.000115359
 Element: GGACTAATGATTACTCAACGTTCTTCT Start: 347 Stop: 373
 Pval: 0.00022495
 Element: ACCGCCTCCGAGACTCTTTCACCCAAC Start: 771 Stop: 797
 Pval: 0.00022495
 Element: CATCCTAAAGTGATTCATAATCTCAGA Start: 750 Stop: 724
 Pval: 0.000294165
 Element: TCTGAGATTATGAATCACTTTAGGATG Start: 724 Stop: 750
 Pval: 0.000484507
 Element: CCTCTGTAAACGAATCATCAATTCAAG Start: 182 Stop: 156
 Pval: 0.000657546

Matched Sequence: YMR096W 0.000413335 SNZ1
 Element: TTCATGACTCTGACACACTCTGCCGCA Start: 818 Stop: 844
 Pval: 8.07512e-05
 Element: CATGACATAATGACTCAGCCGACAAGG Start: 737 Stop: 763
 Pval: 0.000103823
 Element: CCTTGTCGGCTGAGTCATTATGTCATG Start: 763 Stop: 737
 Pval: 0.000126895
 Element: TGCCGTTTACTGACTCAGTTGGAATTT Start: 686 Stop: 712
 Pval: 0.000173038
 Element: CATTTCTTCATGACTCTGACACACTCT Start: 812 Stop: 838
 Pval: 0.000288397
 Element: CTAGTTGGAATAGCTCATCATGACATA Start: 719 Stop: 745
 Pval: 0.000547955
 Element: AAATTCCAACGAGTCAGTAAACGGCA Start: 712 Stop: 686
 Pval: 0.000882495

Matched Sequence: YOR130C 0.000437947 ARG11
 Element: TTCTGCATCGTGACTCACCTTGAGCTC Start: 760 Stop: 786
 Pval: 2.30718e-05
 Element: AAAAATCAACTCACTCATCGACTGATA Start: 309 Stop: 283
 Pval: 0.000115359
 Element: ACGAATTGTATGACTCGTATACATAAC Start: 430 Stop: 404
 Pval: 0.000230718
 Element: ACATTTAATGTGACGAATTGTATGACT Start: 442 Stop: 416
 Pval: 0.000438364
 Element: TTCGTGCTAAGTACTCATTGTATCCAT Start: 706 Stop: 680
 Pval: 0.000484507

Matched Sequence: YJL200C 0.000496411 x
 Element: TTCACGCTCTTGAGTCATCGCGAGTAA Start: 758 Stop: 784
 Pval: 0.000155734

Element: ACAGTGCTTATTACTCTCACATCAACA Start: 539 Stop: 565
 Pval: 0.000190342
 Element: TTACATTTGATGACTGATTCTCAATCT Start: 242 Stop: 268
 Pval: 0.00025379
 Element: TTACTIONGCGATGACTCAAGAGCGTGAA Start: 784 Stop: 758
 Pval: 0.000259557
 Element: AGATTGAGAATCAGTCATCAAATGTAA Start: 268 Stop: 242
 Pval: 0.000438364
 Element: AATACGACTATTCCCTCATTCCGTTTTTC Start: 166 Stop: 192
 Pval: 0.000692153

Matched Sequence: YMR094W 0.000555231 CTF13
 Element: GGACTIONTCTGGGGACTCACAGTCAGCTT Start: 990 Stop: 964
 Pval: 1.73038e-05

Matched Sequence: YJR137C 0.000555231 ECM17
 Element: CGCATCTCCATGACTCAAATTTTCCAG Start: 803 Stop: 777
 Pval: 1.73038e-05

Matched Sequence: YGL180W 0.000576019 APG1
 Element: TGCACATCAATGACTAATACCACTGTA Start: 213 Stop: 239
 Pval: 4.61436e-05
 Element: ATAGAGAATATGACTAATTCTGGTATA Start: 161 Stop: 135
 Pval: 8.07512e-05

Matched Sequence: YDL066W 0.000690297 IDP1
 Element: GCGCGGATTTTGACTIONCACATAATTCCA Start: 883 Stop: 909
 Pval: 4.03756e-05
 Element: CAAAAGAGCTTGAATCATTCCTTTTAT Start: 808 Stop: 834
 Pval: 0.000259557
 Element: AATCCGCGCGTGACCCGTAAAGCGTTA Start: 891 Stop: 865
 Pval: 0.00036338
 Element: ATGTCCATGATGACTCTTCTCTTGATC Start: 510 Stop: 536
 Pval: 0.000374916
 Element: TAAGAGGCCATGACACCCCGAGGGAG Start: 471 Stop: 497
 Pval: 0.000628706
 Element: ATATAAAGAGGGACTCATATGATCTTA Start: 917 Stop: 943
 Pval: 0.000732529

Matched Sequence: YGL125W 0.000701029 MET11
 Element: ACGTCCAGTATGACTCAGAAAAGTTG Start: 608 Stop: 634
 Pval: 8.07512e-05
 Element: AGGATAGAATGACTAAACGACGGCCC Start: 713 Stop: 687
 Pval: 0.000115359
 Element: CAACTTTTCTGAGTCATACTGGACGT Start: 634 Stop: 608
 Pval: 0.000155734
 Element: TATGCAACTTTGACTCAAATTTTCCA Start: 739 Stop: 765
 Pval: 0.000190342
 Element: CGTCGTGCACTIONGGCTCACTIONTGTACGCG Start: 240 Stop: 266
 Pval: 0.000530651

Matched Sequence: YPR058W 0.000701029 YMC1
 Element: TTACTIONTTGATTGACTCATTCTTACATT Start: 795 Stop: 821
 Pval: 2.30718e-05
 Element: AATGTAAGAATGAGTCAATCAAAGTAA Start: 821 Stop: 795
 Pval: 0.000328773
 Element: TATTCTGCCGTGACTCTTTCCGGGTGTA Start: 538 Stop: 512

Pval: 0.000369148
 Element: GCGACGGTGTTGACTAATGCCTACGAG Start: 24 Stop: 50
 Pval: 0.000484507
 Element: TCTTCGCCATTCTCATCAATCTGAA Start: 234 Stop: 208
 Pval: 0.000530651

Matched Sequence: YBR147W 0.000813863 x
 Element: CTTGCAGCAATGACTCAAATTCATTG Start: 769 Stop: 795
 Pval: 6.92153e-05
 Element: CGTGCATGATTGATTGAGCCTGACCCG Start: 373 Stop: 347
 Pval: 0.000259557
 Element: CAATGGAATTTGAGTCATTGCTGCAAG Start: 795 Stop: 769
 Pval: 0.000455668
 Element: AGTGGATACATGATTGATTCTCTGTCT Start: 284 Stop: 258
 Pval: 0.000594098
 Element: CGGGTCAGGCTGAATCAATCATGCACG Start: 347 Stop: 373
 Pval: 0.000669082
 Element: ATGGCGTGCATGATTGATTGAGCCTGA Start: 377 Stop: 351
 Pval: 0.000894031
 Element: TCAGGCTGAATCAATCATGCACGCCAT Start: 351 Stop: 377
 Pval: 0.000980551

Matched Sequence: YIR034C 0.000980541 LYS1
 Element: GAGTCTTTTTTACTCATCGACTTAGT Start: 767 Stop: 741
 Pval: 8.07512e-05
 Element: TCTTCAAGGGTGCCTCAGACCTGGCTA Start: 73 Stop: 47
 Pval: 0.000201878
 Element: TCAGCGACAAAGAGTCATAAAGTCATC Start: 856 Stop: 882
 Pval: 0.000259557
 Element: CACTTCGCCATGACTCTGGCCAACGAG Start: 421 Stop: 447
 Pval: 0.000403756
 Element: GATGACTTTATGACTCTTTGTCGCTGA Start: 882 Stop: 856
 Pval: 0.000484507
 Element: ACTAAGTCGATGAGTCAAAAAGACTC Start: 741 Stop: 767
 Pval: 0.000778672

Matched Sequence: YPR145W 0.00122649 ASN1
 Element: CCACTCGAGATGACAAATAGTTCGTTTC Start: 805 Stop: 831
 Pval: 4.03756e-05
 Element: ATGTAACATTTGACTCATTCTGTAAAC Start: 764 Stop: 790
 Pval: 8.07512e-05
 Element: ACAGATGAGATGACTACTCCCAAGTCA Start: 335 Stop: 309
 Pval: 0.000155734
 Element: ACAGGCCTATGACTGTTATCATTGG Start: 691 Stop: 717
 Pval: 0.000397988

Matched Sequence: YGL202W 0.00130596 ARO8
 Element: AGATTAAACATGGCTCATATACCCAT Start: 563 Stop: 589
 Pval: 7.49833e-05
 Element: GTCCAATCTATGACTAATATTAAGCGC Start: 783 Stop: 809
 Pval: 0.000155734
 Element: ACCCTGCAGTTGATACAGACATTGAAT Start: 952 Stop: 978
 Pval: 0.000397988
 Element: GCGCTTAATATTAGTCATAGATTGGAC Start: 809 Stop: 783
 Pval: 0.000403756

Matched Sequence: YOL064C 0.00158682 MET22

Element: AATGCGGAATGACTCAGACGAGCAAT	Start: 837	Stop: 863
Pval: 0		
Element: ATTGCTCGTCTGAGTCATTCGCGCATT	Start: 863	Stop: 837
Pval: 0.00019611		
Element: TTCTTTGATGTGACACACAAAATTTAT	Start: 404	Stop: 378
Pval: 0.00025379		
Element: CCGGTACTGCTGACTCTAATAACCGCT	Start: 183	Stop: 157
Pval: 0.000403756		
Element: GAAGAAACCATGCCACATATAAAGAAC	Start: 898	Stop: 924
Pval: 0.000582562		
Element: TTCATTACTAAGACTAACAGAGTACAG	Start: 443	Stop: 469
Pval: 0.000847888		
Matched Sequence: YIL165C 0.00172956 x		
Element: CAGGCCTCCGTGACTCATAAAGGGCAG	Start: 270	Stop: 296
Pval: 0		
Element: TGCGCACAACTGACTAATTTCTGGATA	Start: 676	Stop: 650
Pval: 0.00019611		
Element: GGTGATATTATGACTTAGGGTTAGCCA	Start: 332	Stop: 358
Pval: 0.000415292		
Element: CTGCCCTTTATGAGTCACGGAGGCCTG	Start: 296	Stop: 270
Pval: 0.000484507		
Element: CGAAGGCCACCGACGCATCCTTATGTG	Start: 681	Stop: 707
Pval: 0.000634474		
Matched Sequence: YDL198C 0.00197283 YHM1		
Element: AAATGCACAGTGACTCACGAGTTTTTG	Start: 861	Stop: 835
Pval: 0.000173038		
Element: CAAAAACTCGTGAGTCACTGTGCATTT	Start: 835	Stop: 861
Pval: 0.00022495		
Element: TAAACCTTGATTACTCATCAAGGAAAT	Start: 367	Stop: 393
Pval: 0.00042106		
Element: ACTCCTCCTGTGGCACAAAGCTTGGCG	Start: 576	Stop: 602
Pval: 0.000444132		
Matched Sequence: YJL088W 0.00206411 ARG3		
Element: CTCCTTCGTATTACTCATTAGCTCTT	Start: 931	Stop: 957
Pval: 0		
Element: AATCGTATGGTGACGCATCTAGGAAAT	Start: 543	Stop: 517
Pval: 0.000230718		
Element: AGACAATCCATTACTCACAAGAAGAGC	Start: 352	Stop: 378
Pval: 0.000288397		
Element: GCTCTTCTTGTGAGTAATGGATTGTCT	Start: 378	Stop: 352
Pval: 0.000415292		
Element: TAAGTGATAATGACCAATTGTTTAAAT	Start: 192	Stop: 166
Pval: 0.000657546		
Matched Sequence: YBR145W 0.00213048 ADH5		
Element: ACATGCTTTTTGACTCATCCTTCCGCG	Start: 790	Stop: 764
Pval: 5.76794e-06		
Element: CGCGGAAGGATGAGTCAAAAAGCATGT	Start: 764	Stop: 790
Pval: 0.000259557		
Element: ACTGCTTTACTGTCTCACAATGTCTCT	Start: 918	Stop: 944
Pval: 0.000259557		
Element: AGTGTCTTCATGACGGATTCATAGTCT	Start: 514	Stop: 540
Pval: 0.000530651		
Element: AATGTTCTGTTGGCTCACATACGTGCT	Start: 172	Stop: 198

Pval: 0.000634474
 Element: CCGCGAAAAATGACTGATGTCTACAGG Start: 615 Stop: 641
 Pval: 0.000894031

Matched Sequence: YHR029C 0.00213048 x
 Element: TGTCTATAGATGACTAATCATAAATGA Start: 910 Stop: 884
 Pval: 0.000248022
 Element: TAATAGCGGTTGTCTCACAAACAGCCT Start: 318 Stop: 292
 Pval: 0.000357613
 Element: GATGCTCCAGGGCCTCATCCACGGTAA Start: 163 Stop: 137
 Pval: 0.000438364
 Element: ACTTCCCCGGTTACTTATAGTTTTTTG Start: 701 Stop: 675
 Pval: 0.000720993
 Element: TCCAGTGGCAGGTCTCATCTCCATCAT Start: 579 Stop: 553
 Pval: 0.000894031
 Element: TGTCTAAATATGACACAAGGAAGATAA Start: 948 Stop: 974
 Pval: 0.000894031

Matched Sequence: YBR256C 0.00293419 RIB5
 Element: ATCTGGAATATGACTAATAGATAGTTC Start: 923 Stop: 897
 Pval: 4.03756e-05

Matched Sequence: YJR010W 0.00300042 MET3
 Element: TGTAATTTTGTAACCTACCGCATTCTA Start: 645 Stop: 671
 Pval: 0.000276861
 Element: AGTACAGATATGACACACTTGTAGCGC Start: 559 Stop: 585
 Pval: 0.000340309
 Element: TCTGAGCATCTTACTCAGTTTCAAGAT Start: 300 Stop: 274
 Pval: 0.000738297
 Element: AGAGCCTCTATTTCTCATTGGTAAGTA Start: 806 Stop: 780
 Pval: 0.000859424
 Element: ATCCCTTCCGTGATTTATACAAAAGAA Start: 389 Stop: 363
 Pval: 0.000917103
 Element: ATTTTCTTATAAATCATCCCTTCCGT Start: 405 Stop: 379
 Pval: 0.000951711

Matched Sequence: YDL182W 0.00311329 LYS20
 Element: CCCGATCAGCTGGCTCATCGTTATTCT Start: 363 Stop: 389
 Pval: 4.03756e-05
 Element: TCCTCTCTTATGACTAATGCACTCAGC Start: 303 Stop: 329
 Pval: 5.76794e-05
 Element: CATTGTGACATTACTATTTTTTTGGC Start: 653 Stop: 627
 Pval: 0.000403756
 Element: CGGCGGAATTTGACGCAGACGTAACAT Start: 433 Stop: 407
 Pval: 0.000530651
 Element: AATTAAGTACTGACTGATGTTACGTCT Start: 391 Stop: 417
 Pval: 0.000715225

Matched Sequence: YCL030C 0.00331601 HIS4
 Element: CCATGCACAGTACTCACGTTTTTTTA Start: 792 Stop: 818
 Pval: 4.03756e-05
 Element: TGCTGTATTATGACCCATCGTATCGCA Start: 693 Stop: 667
 Pval: 5.76794e-05
 Element: CTATATCGAATGACTGATAAAAAACG Start: 835 Stop: 809
 Pval: 0.000357613
 Element: GCAGTCGAACTGACTCTAATAGTACT Start: 736 Stop: 762
 Pval: 0.000501811

Matched Sequence: YER069W 0.00352605 ARG5,6
 Element: GCTGCAAGAATGACTAATTCATAGAAA Start: 637 Stop: 663
 Pval: 1.73038e-05
 Element: CTTATCCGAATGACTCAGTCTACATCA Start: 768 Stop: 794
 Pval: 3.46077e-05
 Element: TGATGTAGACTGAGTCATTCGGATAAG Start: 794 Stop: 768
 Pval: 0.000426828
 Element: TGGTAATTGATGACTCTTCTATTTTTT Start: 814 Stop: 840
 Pval: 0.000484507
 Element: ACACCAACATTGACACTCTGCAAGAAT Start: 166 Stop: 140
 Pval: 0.000963247
 Element: CTTGCAGCGCTGACGCTTTCATACGTT Start: 644 Stop: 618
 Pval: 0.000980551

Matched Sequence: YJL213W 0.00363908 x
 Element: CATGTCGGCATGACGCATTATCTCCAT Start: 419 Stop: 445
 Pval: 4.03756e-05
 Element: CAAATTAGTGTTACTTATACAGTAATT Start: 784 Stop: 758
 Pval: 0.000484507
 Element: AGACCTGGAGTGACATACTTACCGGTG Start: 942 Stop: 916
 Pval: 0.000484507
 Element: ACCTTGAAATGACACCCTGTTCTATG Start: 855 Stop: 829
 Pval: 0.000905567
 Element: GAAGAATTCATTACTAATAGAGAAAAA Start: 281 Stop: 307
 Pval: 0.000922871
 Element: AGTTTTTCTTGACACACTTCACAGAT Start: 381 Stop: 407
 Pval: 0.000986318

Matched Sequence: YCL009C 0.00363908 ILV6
 Element: ACCGTTATCGTGACTCACTTTCTTTTCG Start: 841 Stop: 867
 Pval: 0
 Element: CCTCTCTGTATAACTCATTGACTACGG Start: 409 Stop: 383
 Pval: 4.03756e-05
 Element: CCTTGTGCGATGGCACATCCAACGAAT Start: 808 Stop: 834
 Pval: 8.07512e-05
 Element: CTCGTGTAAGAGACTCATTAATTCTTG Start: 155 Stop: 129
 Pval: 0.000149967
 Element: ACATCTGAGCTCACTAACCCAGTCTTT Start: 971 Stop: 997
 Pval: 0.000484507
 Element: GCACATCCAACGAATCACCTCACCGTT Start: 820 Stop: 846
 Pval: 0.000986318

Matched Sequence: YOL119C 0.00447878 x
 Element: GATTCGCCTGTGACTCTTTGCCATCTC Start: 867 Stop: 841
 Pval: 4.61436e-05
 Element: TAGGCACGGCTGACTAATTTGAAGCTA Start: 821 Stop: 795
 Pval: 0.00022495
 Element: CCTGAGTTTCTGACCTATAGAGCCCCA Start: 742 Stop: 716
 Pval: 0.000334541

Matched Sequence: YLR267W 0.00519127 x
 Element: GGTACAACAATGACTCAGAAATCATGA Start: 743 Stop: 717
 Pval: 8.07512e-05
 Element: TACACATTGCTGACACATAGGCCTGGC Start: 358 Stop: 384
 Pval: 0.000369148
 Element: TCATGATTTCTGAGTCATTGTTGTACC Start: 717 Stop: 743

Pval: 0.000426828
Element: AGTTTTCTAATTACACATTGCTGACAC Start: 347 Stop: 373
Pval: 0.00061717
Element: CCGCTGTTAATGCCTCTTCATGATTTTC Start: 700 Stop: 726
Pval: 0.000795976

Matched Sequence: YGL224C 0.00593703 x
Element: ATTTGATCGATGACTAATTGCAAGAGA Start: 724 Stop: 698
Pval: 0.000155734
Element: CAAGAGTTTAAGACTCAGATCTCATCC Start: 600 Stop: 626
Pval: 0.000259557
Element: TCTCTTGCAATTAGTCATCGATCAAAT Start: 698 Stop: 724
Pval: 0.000374916
Element: CACTTGATGATGATGCATTGAAACAAT Start: 409 Stop: 435
Pval: 0.000726761
Element: TGATATCATATTACTCCCCATTTTAC Start: 917 Stop: 943
Pval: 0.000819048

Matched Sequence: YDL170W 0.00633783 UGA3
Element: TTAGTGAATATGACACATCGTGGTGCC Start: 92 Stop: 66
Pval: 1.73038e-05
Element: TTTTCTTTGATGACTCAGACCCTGGTA Start: 905 Stop: 879
Pval: 2.30718e-05
Element: TACCAGGGTCTGAGTCATCAAAGAAAA Start: 879 Stop: 905
Pval: 0.000288397
Element: CCAATCGGATTGACGCATTAACCGA Start: 805 Stop: 831
Pval: 0.000346077
Element: AACTTATGAATGACTAAGAAAAGCAGT Start: 673 Stop: 699
Pval: 0.000830584

Matched Sequence: YGL009C 0.00675793 LEU1
Element: TTAGTCTAGATGACTCAGTTTAGTCTG Start: 690 Stop: 716
Pval: 0.000155734
Element: AGAACTTAACTCACTCATCACGCTGTT Start: 870 Stop: 896
Pval: 0.000259557
Element: CAGACTAACTGAGTCATCTAGAGTAA Start: 716 Stop: 690
Pval: 0.000438364
Element: CTATTGAAGCCGACTCATGAAGCCGGT Start: 845 Stop: 819
Pval: 0.000582562
Element: CAGCAGAACTTAACTCACTCATCACGC Start: 866 Stop: 892
Pval: 0.00084212

Matched Sequence: YDR158W 0.00890077 HOM2
Element: AAGCATTGATTGACTCATTTCCTCTG Start: 807 Stop: 833
Pval: 0.000109591
Element: GTCGCCGCTGTGGCTAACACCAGCCTC Start: 370 Stop: 396
Pval: 0.00042106
Element: GCTACAGGTCTCACTCATCGCGAATG Start: 592 Stop: 566
Pval: 0.0004499
Element: CAGAGGAAAATGAGTCAATCAATGCTT Start: 833 Stop: 807
Pval: 0.000501811
Element: ACGCCTGTGGTCATTCATGCCACGCAG Start: 220 Stop: 246
Pval: 0.000894031

Matched Sequence: YJR109C 0.00943603 CPA2
Element: GTTGAGAAAATGACTCATCCACCACTG Start: 645 Stop: 671
Pval: 0

Element: ACAATTGTGGTGA	CTCAAGATCAAAT	Start: 210	Stop: 236
Pval: 5.76794e-06			
Element: CAGTGGTGGATGAGTCATTTCTCAAC		Start: 671	Stop: 645
Pval: 0.000173038			
Element: TTATTGTGAATGACTCTTATTGATGAG		Start: 698	Stop: 724
Pval: 0.000369148			
Element: TTA	CTCAAGGTGACACAATCGTTACGA	Start: 792	Stop: 766
Pval: 0.000905567			