## **Supporting Information**

for

Investigation of the network of preferred interactions in an artificial coiled-coil association using the peptide array technique

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Complete set of SPOT intensities.

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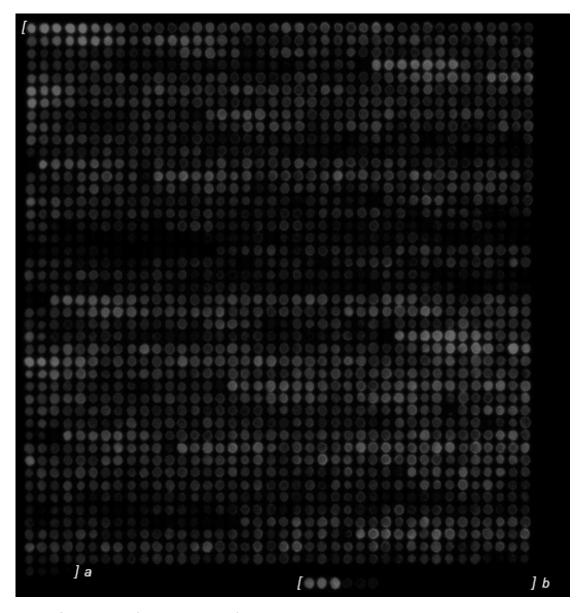


Figure S1. Full set of spot intensities from the membrane probing. a) The random mutation resulting in 1764 spots and (b) the Gly scanning of Acid-pp sequences as described in the main text.

Table S1. The complete set of SPOT intensities detected from 1764 mutants on the cellulose membrane.\*

\*The values are in Boehringer Light Units (BLUs) and resulted from ( $I^{B3\beta2\gamma} - I^{R3\beta2\gamma}$ ).  $I^{B3\beta2\gamma}$  and  $I^{RB3\beta2\gamma}$  are the intensity of each spot when the membrane is screened against  $B3\beta2\gamma$  and  $R3\beta2\gamma$ , respectively.

LsaLEKE 20424,984	VsaLEKE 7793,704	ASALEKE 4069,144	IsaLEKE 10941,831	FsaLEKE 13737,3	YSALEKE 11723,013	LsaVEKE	9201,354
LsaLEKV 20796,744	VsaLEKV 11014,524	asaLEKV 4745,624	IsaLEKV 14804,18	Fsalekv 10274,126	YsaLEKV 7088,457	LsaVEKV	13503,972
LSALEKL 20395,664	VsaLEKL 10705,409	ASALEKL 6585,222	IsaLEKL 13248,799	FsaLEKL 10674,98	YSALEKL 9422,829	LSAVEKL	13335,884
LsaLEKI 21117,853	VsaLEKI 12853,853	asaLEKI 9771,788	IsaLEKI 13468,944	FsaLEKI 12110,682	YsaLEKI 6651,75	LSAVEKI	14525,805
LsaLEKa 20557,504	VsaLEKa 10536,255	asaLEKa 9177,914	IsaLEKa 12695,617	FsaLEKa 13086,692	YsaLEKa 12540,664	LsaVEKa	11807,015
LsaLEKY 16438,266	VsaLEKY 7182,462	ASALEKY 4148,947	IsaLEKY 9434,281	FsaLEKY 10553,386	YsaLEKY 6191,737	LSAVEKY	11818,084
LsaLEKD 15830,153	VsaLEKD 8205,8574	ASALEKD 2924,174	IsaLEKD 10051,976	FsaLEKD 12454,004	YsaLEKD 8120,71	LsaVEKD	8407,1209
LSALVKE 10162,404	VsaLVKE 6282,954	asaLVKE 4812,008	IsaLVKE 7161,744	FsaLVKE 8407,354	YSALVKE 10166,829	LSAVVKE	6177,856
LsaLVKV 4843,249	VsaLVKV 2715,986	asaLVKV 3196,227	IsaLVKV 3433,79	FsaLVKV 4843,597	YsaLVKV 3829,229	LsaVVKV	2145,268
LsaLVKL 6518,869	VsaLVKL 4811,444	asaLVKL 5760,094	IsaLVKL 4926,65	FsaLVKL 5825,57	YsaLVKL 4506,95	LsaVVKL	4468,524
LsaLVKI 3742,82	VsaLVKI 4209,116	asaLVKI 3467,274	IsaLVKI 4857,994	FsaLVKI 6131,42	YSALVKI 3964,816	LsaVVKI	3464,219
LsaLVKa 2932,792	VsaLVKa 3961,864	asaLVKa 2984,997	IsaLVKa 3612,185	FsaLVKa 4179,447	YsaLVKa 5425,003	LsaVVKa	1616,364
LsaLVKY 5319,932	VsaLVKY 5366,794	asaLVKY 8224,734	IsaLVKY 4725,81	FsaLVKY 7985,927	YsaLVKY 3113,984	LSAVVKY	3020,757
LSALVKD 9306,264	VsaLVKD 6042,734	asaLVKD 4394,3906	IsaLVKD 7099,193	FsaLVKD 10704,324	YsaLVKD 7296,222	LSAVVKD	5507,277
LsaLLKE 10129,524	VsaLLKE 10127,363	ASALLKE 7406,012	IsaLLKE 9225,439	FsaLLKE 14055,64	YsaLLKE 5519,539	LsaVLKE	7968,412
LsaLLKV 6318,974	VsaLLKV 4945,477	asaLLKV 4211,594	IsaLLKV 5709,74	FsaLLKV 8936,78	YsaLLKV 4462,944	LsaVLKV	4979,894
LsaLLKL 7851,372	VsaLLKL 6867,994	asaLLKL 4896,454	IsaLLKL 7983,39	FsaLLKL 11792,27	YsaLLKL 5605,612	LSAVLKL	7443,399
LsaLLKI 7323,554	VsaLLKI 5478,528	ASALLKI 4086,334	IsaLLKI 5980,59	FsaLLKI 10848,75	YsaLLKI 2904,76	LsaVLKI	6393,138
LsaLLKa 4552,25	VsaLLKa 4565,734	asaLLKa 3616,614	IsaLLKa 4677,82	FsaLLKa 6515,61	YsaLLKa 3391,832	LsaVLKa	4671,014
LsaLLKY 7697,191	VsaLL <mark>KY</mark> 6777,474	asaLLKY 2840,034	IsaLLKY 8627,443	FsallKY 8785,554	YsaLLKY 2950,076	LSAVLKY	5847,168
LsaLLKD 11299,119	VsaLLKD 8107,807	ASALLKD 5273,742	IsaLLKD 10903,924	FsaLLKD 15064,464	YsaLLKD 5232,893	LsaVLKD	6940,443
LsaLIKE 10774,035	VsaLIKE 7100,329	asaLIKE 4602,996	IsaLIKE 7998,084	FsaLIKE 15128,144	YSALIKE 5318,624	LSAVIKE	9780,359
LsaLIKV 5886,171	VsaLIKV 3303,976	asaLIKV 3147,376	IsaLIKV 4304,18	FsaLIKV 7224,386	YsaLIKV 3583,021	LsaVIKV	4245,839
LsaLIKL 8638,414	VsaLIKL 5964,631	ASALIKL 4345,673	IsaLIKL 8213,64	FsaLIKL 10971,86	YsaLIKL 4907,914	LSAVIKL	7194,074
LsaLIKI 6498,388	VsaLIKI 3391,41	ASALIKI 3732,266	IsaLIKI 5989,83	FsaLIKI 7832,3	YsaLIKI 4165,34	LsaVIKI	4805,27
LsaLIKa 5138,294	VsaLIKa 2568,863	asaLIKa 3211,634	IsaLIKa 4581,554	FsaLIKa 5655,511	YsaLIKa 4008,206	LsaVIKa	2434,044
LsaLIKY 8183,929	VsaLIKY 10929,711	asaLIKY 4911,244	IsaLIKY 9468,54	FsaLIKY 8551,543	YsaLIKY 3124,014	LSAVIKY	3968,289
LsaLIKD 12451,307	VsaLIKD 9296,917	asaLIKD 3355,768	IsaLIKD 11030,441	FsaLIKD 8909,177	YsaLIKD 5540,051	LSAVIKD	7215,675
LsaLaKE 9553,3516	VsaLaKE 7052,3648	asaLaKE 3304,1789	IsaLaKE 9722,413	FsaLaKE 8560,203	YsaLaKE 5895,684	LsaVaKE	6779,934
LsaLaKV 4229,794	VsaLaKV 2549,774	asaLaKV 1881,446	IsaLaKV 4232,615	FsaLaKV 3429,052	YsaLaKV 2383,648	LsaVaKV	2191,854
LsaLaKL 4902,384	VsaLaKL 3269,8678	asaLaKL 2370,154	IsaLaKL 6134,668	FsaLaKL 4045,489	YsaLaKL 3181,834	LsaVaKL	3250,364
LsaLaKI 5317,494	VsaLaKI 2887,932	asaLaKI 2442,259	IsaLaKI 5102,63	FsaLaKI 2997,93	YsaLaKI 1994,304	LsaVaKI	6085,374
LsaLaKa 2644,5285	VsaLaKa 984,955	asaLa <b>K</b> a 2104,9944	IsaLaKa 3298,884	FsaLaKa 2900,564	YsaLa <b>K</b> a 4325,189	LsaVaKa	2978,374
LsaLaKY 3842,829	VsaLaKY 2997,437	asaLa <mark>KY</mark> 1901,371	IsaLa <mark>KY</mark> 4394,971	FsaLaKY 3674,971	YsaLaKY 1389,455	LsaVa <b>K</b> Y	3863,655
LsaLaKD 5891,7987	VsaLaKD 4835,067	asaLaKD 2615,1658	IsaLaKD 7918,454	FsaLaKD 5814,01	YsaLaKD 6659,961	LsaVaKD	6073,364
LsaLYKE 6647,009	VsaLYKE 5431,053	asaLYKE 4857,384	IsaLYKE 7789,262	FsaLYKE 6334,47	YsaLYKE 4374,409	LSAVYKE	6093,696
LsaLYKV 4220,864	VsaLYKV 3535,707	asaLYKV 3849,764	IsaLYKV 3822,294	FsaLYKV 3454,624	YsaLYKV 2583,11	LsaVYKV	2299,362
LsaLYKL 5388,24	VsaLYKL 4653,056	ASALYKL 3794,654	IsaLYKL 4848,941	FsaLYKL 5006,024	YsaLYKL 3826,586	LsaVYKL	4369,769
LsaLYKI 3575,479	VsaLYKI 4053,422	asaLYKI 4187,036	IsaLYKI 5520,835	FsaLYKI 4544,495	YsaLYKI 2917,084	LsaVYKI	3228,488
LsaLYKa 2567,102	VsaLYKa 3335,687	asaLYKa 5038,552	IsaLYKa 3399,536	FsaLYKa 3613,901	YsaLYKa 4829,305	LsaVYKa	2131,099
LsaLYKY 8779,764	VsaLYKY 3003,564	asaLYKY 2318,624	IsaLYKY 4689,41	FsaLYKY 3919,934	YsaLYKY 3109,945	LsaVYKY	2906,013
LsaLYKD 10396,715	VsaLYKD 4836,893	asaLYKD 3574,189	IsaLYKD 6324,617	FsaLYKD 6823,248	YsaLYKD 9412,226	LSAVYKD	4394,996
LsaLDKE 14325,184	VsaLDKE 4954,1107	ASALDKE 984,0225	IsaLDKE 8630,939	FsaLDKE 6755,755	YsaLDKE 6654,514	LsaVDKE	3935,014
LsaLDKV 17048,023	VsaLDKV 8494,002	asaLDKV 4220,569	IsaLDKV 11575,564	FsaLDKV 9186,417	YSALDKV 5515,368	LsaVDKV	9167,295
LsaLDKL 19113,994	VsaLDKL 8793,145	ASALDKL 5388,204	IsaLDKL 13975,966	FsaLDKL 9940,455	YsaLDKL 9129,626	LsaVDKL	9382,575
LsaLDKI 18424,553	VsaLDKI 9634,814	ASALDKI 4512,106	IsaLDKI 13148,805	FsaLDKI 10509,664	YSALDKI 6011,856	LsaVDKI	10106,555
LsaLDKa 16391,066	VsaLDKa 8203,807	asaLDKa 4573,015	IsaLDKa 11419,427	FsaLDKa 10510,584	YsaLDKa 9893,357	LsaVDKa	6724,222
LsaLDKY 10789,644	VsaLDKY 7065,764	ASALDKY 2574,261	IsaLDKY 9920,58	FsaLDKY 7626,907	YsaLDKY 5099,866	LsaVDKY	7697,334
LsaLDKD 7568,504	VsaLDKD 2895,8136	asaLDKD 296,9105	IsaLDKD 6460,344	FsaLDKD 4429,046	YsaLDKD 3018,184	LsaVDKD	1569,934
LsaVEKE 9201,354	VsaVEKE 4487,474	ASAVEKE 189,5977	IsaVEKE 7748,494	FSAVEKE 7686,152	YSAVEKE 2704,179		
LsaVEKV 13503,972	VsaVEKV 5978,094	ASAVEKV 1950,334	IsaVEKV 7672,317	FsaVEKV 8782,872	YsaVEKV 2968,514		
LsaVEKL 13335,884	VsaVEKL 8030,519	ASAVEKL 2979,801	IsaVEKL 8704,574	FsaVEKL 10264,68	YSAVEKL 3841,314		
LsaVEKI 14525,805	VsaVEKI 6922,985	ASAVEKI 4915,6968	IsaVEKI 8307,985	FsaVEKI 11243,104	YSAVEKI 3945,6179		down:
LsaVEKa 11807,015	VsaVEKa 9592,644	ASAVEKA 4953,66	IsaVEKa 10616,155	FsaVEKa 13427,553	YsaVEKa 5485,714		right
LsaVEKY 11818,084	VsaVEKY 4647,518	ASAVEKY 1566,614	IsaVEKY 4744,914	FSAVEKY 10993,144	YSAVEKY 2436,61		
LsaVEKD 8407,1209	VsaVEKD 3111,2811	ASAVEKD -16,656	IsaVEKD 6137,5648	FsaVEKD 6562,457	YsaVEKD 708,8962		
LsaVVKE 6177,856	VsaVVKE 5186,891	ASAVVKE 2473,6917	IsaVVKE 5890,733	FsaVVKE 8608,65	YsaVVKE 2709,206		
LsaVVKV 2145,268	VsaVVKV 2124,235	asaVVKV 1874,324	IsaVVKV 2857,51	FsaVVKV 3430,694	YsaVVKV 1110,837		
LsaVVKL 4468,524	VsaVVKL 4334,764	ASAVVKL 2855,997	IsaVVKL 5093,4	FsaVVKL 5647,834	YsaVVKL 2953,939		
LsaVVKI 3464,219	VsaVVKI 3446,56	asaVVKI 1801,916	IsaVVKI 4305,26	FsaVVKI 4323,088	YsaVVKI 2115,394		

LsaVVKa 1616,364	VsaVVKa 1659,114	asaVVKa 2129,032	IsaVVKa 3060,617	FsaVVKa 3639,564	YSAVVKA 2192,882
LsaVVKY 3020,757	VsaVVKY 1975,231	asaVVKY 1844,162	IsaVVKY 3542,754	FsaVVKY 5943,552	YsaVVKY 1836,707
LsaVVKD 5507,277	VsaVVKD 3228,092	asaVVKD 110,595	IsaVVKD 4908,259	FsaVVKD 7256,534	YSAVVKD 2566,057
LsaVLKE 7968,412	VsaVLKE 7806,195	asaVLKE 3745,379	IsaVLKE 11424,144	FsaVLKE 11219,217	YSAVLKE 4271,752
LsaVLKV 4979,894	VsaVLKV 3595,714	ASAVLKV 3267,548	IsaVLKV 6906,984	FsaVLKV 4966,666	YsaVLKV 2428,619
LsaVLKL 7443,399	VsaVLKL 6194,63	ASAVLKL 5147,875	IsaVLKL 9449,55	FsaVLKL 7538,884	YSAVLKL 3398,403
LsaVLKI 6393,138	VsaVLKI 9552,072	ASAVLKI 4429,584	IsaVLKI 8829,09	FsaVLKI 5282,52	YSAVLKI 2358,21
LsaVLKa 4671,014	VsaVLKa 6561,914	asaVLKa 2159,537	IsaVLKa 7854,923	FsaVLKa 3604,326	YSAVLKA 1683,522
LsaVLKY 5847,168	VsaVLKY 5086,176	ASAVLKY 2207,284	IsaVLKY 7717,21	FsaVLKY 2984,694	YSAVLKY 1450,188
LsaVLKD 6940,443	VsaVLKD 8245,326	asaVLKD 2653,6387	IsaVLKD 15106,684	FsaVLKD 5867,304	YsaVLKD 2811,824
LsaVIKE 9780,359	VsaVIKE 6276,084	ASAVIKE 3384,488	IsaVIKE 10793,011	FsaVIKE 5803,227	YSAVIKE 4001,839
LsaVIKV 4245,839	VsaVIKV 3054,139	asaVIKV 2571,504	IsaVIKV 4717,33	FsaVIKV 2384,375	YsaVIKV 1077,616
LsaVIKL 7194,074	VsaVIKL 5617,166	ASAVIKL 4234,419	IsaVIKL 6938,65	FsaVIKL 4561,614	YsaVIKL 3165,414
LsaVIKI 4805,27	VsaVIKI 3503,177	asaVIKI 3261,594	IsaVIKI 5954,39	FsaVIKI 3505,89	YsaVIKI 1807,432
LsaVIKa 2434,044	VsaVIKa 2173,216	asaVIKa 2655,594	IsaVIKa 5480,785	FsaVIKa 2149,846	YsaVIKa 2170,398
LsaVIKY 3968,289	VsaVIKY 4483,234	asaVIKY 2411,202	IsaVIKY 5842,075	FsaVIKY 2895,744	YsaVIKY 2545,272
LsaVIKD 7215,675	VsaVIKD 4571,475	asaVIKD 1634,3046	IsaVIKD 9662,544	FsaVIKD 3922,765	YsaVIKD 3048,868
LsaVaKE 6779,934	VsaVaKE 4467,804	asaVa <b>KE</b> 987,834	IsaVaKE 6183,814	FsaVaKE 5484,618	YsaVaKE 1888,004
LsaVaKV 2191,854	VsaVaKV 1020,454	asaVaKV 1334,477	IsaVaKV 3905,205	FsaVaKV 2114,04	YsaVaKV 338,773
LsaVaKL 3250,364	VsaVaKL 2328,345	asaVaKL 3265,451	IsaVaKL 3680,492	FsaVaKL 3407,95	YsaVaKL 457,396
LsaVaKI 6085,374	VsaVaKI 2017,172	asaVaKI 2139,066	IsaVaKI 3392,602	FsaVaKI 3231,77	YsaVa <b>K</b> I 964,774
LsaVa <b>K</b> a 2978,374	VsaVaKa 772,238	asaVa <b>K</b> a 1444,454	IsaVaKa 1436,185	FsaVaKa 2230,234	YsaVa <b>K</b> a 1616,386
LsaVaKY 3863,655	VsaVaKY 1354,83	asaVa <mark>KY</mark> 870,971	IsaVa <b>K</b> Y 2211,074	FsaVaKY 2612,176	YsaVaKY 193,007
LsaVaKD 6073,364	VsaVaKD 2441,263	asaVaKD 199,6229	IsaVaKD 4550,2886	FsaVaKD 4127,155	YsaVaKD 3033,888
LsaVYKE 6093,696	VsaVYKE 4406,834	asaVYKE 1839,181	IsaVYKE 6388,534	FsaVYKE 5835,854	YSAVYKE 4318,03
LsaVYKV 2299,362	VsaVYKV 2300,19	asaVYKV 1772,364	IsaVYKV 1927,124	FsaVYKV 2768,943	YsaVYKV 2253,528
LsaVYKL 4369,769	VsaVYKL 3242,91	asaVYKL 2881,183	IsaVYKL 4054,946	FsaVYKL 4079,074	YSAVYKL 2799,426
LsaVYKI 3228,488	VsaVYKI 2685,224	ASAVYKI 2565,338	IsaVYKI 3369,736	FsaVYKI 3750,874	YsaVYKI 3061,934
LsaVYKa 2131,099	VsaVYKa 2090,6	asaVYKa 2004,002	IsaVYKa 1878,834	FsaVYKa 3839,333	YsaVYKa 2840,742
LsaVYKY 2906,013	VsaVYKY 2820,744	asaVYKY 1671,744	IsaVYKY 3088,105	FsaVYKY 3648,864	YsaVYKY 1789,28
LsaVYKD 4394,996	VsaVYKD 2596,918	asaVYKD -91,5958	IsaVYKD 5045,938	FsaVYKD 4400,762	YSAVYKD 1788,2817
LsaVDKE 3935,014	VsaVDKE 57,9561	ASAVDKE -40,056	IsaVDKE 2260,123	FsaVDKE 4309,684	YSAVDKE 153,3274
LsaVDKV 9167,295	VsaVDKV 3435,4957	asaVDKV 1660,29	IsaVDKV 6125,994	FsaVDKV 5192,054	YsaVDKV 2433,845
LsaVDKL 9382,575	VsaVDKL 5039,762	ASAVDKL 3482,194	IsaVDKL 9072,613	FsaVDKL 7065,223	YsaVDKL 3213,954
LsaVDKI 10106,555	VsaVDKI 3075,664	ASAVDKI 1887,004	IsaVDKI 8310,208	FsaVDKI 9940,546	YsaVDKI 2678,954
LsaVDKa 6724,222	VsaVDKa 3580,8764	asaVDKa 804,397	IsaVDKa 6969,47	FsaVDKa 7523,314	YsaVDKa 2525,909
LsaVDKY 7697,334	VsaVDKY 3741,971	asaVDKY 943,7446	IsaVDKY 4079,144	FsaVDKY 5725,034	YsaVDKY 1053,353
LsaVDKD 1569,934	VsaVDKD -40,9003	ASAVDKD 0	IsaVDKD 749,279	FsaVDKD 539,778	YsaVDKD -30,039
LSAMEKE 3236,2825	VSAAEKE 1324,0491	ASAAEKE O	ISAAEKE 1791,734	FSAAEKE 4827,463	YSAAEKE 964,243
LsaaEKV 6025,4679	VSAAEKV 3081,804	ASAAEKV -18,9028	IsaaEKV 3884,454	FSAAEKV 6530,583	YSAAEKV 1471,7099
LSAAEKL 7760,354 LSAAEKI 8424,374	VSAAEKL 3599,004 VSAAEKI 2839,514	asaa <b>EK</b> L 917,4092 asaa <b>EK</b> I 375,865	IsaaEKL 4679,182 IsaaEKI 4798,085	FSAAEKL 11422,701 FSAAEKI 11920,716	YSAAEKL 2955,664 YSAAEKI 3617,9075
LSAEKI 8424,374 LSAEKA 6666,084	VSAAEKI 2839,514 VSAAEKA 3401,3415	ASAAEKI 3/5,865 ASAAEKA 164,6163	IsaaEKa 5311,256	FSAAEKA 10535,984	YSAAEKA 2200,985
LSAAEKY 5762,089	VSAAEKA 3401,3415 VSAAEKY 1721,178	ASAAEKY -17,7805	IsaaEKY 2109,114	FSAAEKY 6351,644	YSAAEKY 603,048
LSANEKD 2989,9411	VSAAEKT 1/21,1/8 VSAAEKD 16,2504	ASAAEKD -48,1748	ISAAEKD 1699,3515	FSAAEKD 4220.12	YSAAEKD 1197,3648
LSAAVKE 6827.638	VSAAVKE 3089.414	ASAAVKE -84,14123	ISAAVKE 4754.841	FSAAVKE 7041,924	YSAAVKE 3121.914
LsaaVKV 2640,524	VSAAVKE 3083,414 VSAAVKV 2793,534	ASAAVKU 394,671	IsaaVKV 1516,154	FSAAVKV 3478,615	YSAAVKV 1432,594
LSAAVKL 4530,446	VSAAVKU 2793,334 VSAAVKL 3543,051	ASAAVKL 1064,596	IsaaVKL 3342,327	FSAAVKL 3899,792	YSAAVKL 3626,494
LsaaVKI 3159,356	VSAAVKI 3099,064	ASAAVKI 820,014	IsaaVKI 3495,404	FSAAVKI 4122,576	YSAAVKI 2718,832
LsaaVKa 2115,844	VsaaVKa 3402,239	ASAAVKA 933,349	IsaaVKa 3729,448	FsaaVKa 3290,49	YSAAVKA 1420,556
LsaaVKY 3407,482	VsaaVKY 2327,513	ASAAVKY 1560,265	IsaaVKY 2980,304	FsaaVKY 1434,83	YSAAVKY 398,755
LSAAVKI 5407,482 LSAAVKD 6711,1068	VSAAVKT 2327,313 VSAAVKD 4068,9886	ASAAVKI 1560,265	IsaaVKD 4899,74	FSAAVKD 4691,454	YsaaVKD 2391,652
LSAALKE 7778,05	VSAALKE 5860,809	ASAALKE 1704,5595	ISAALKE 9556,079	FSAALKE 7261,034	YSAALKE 3112,634
LsaaLKV 3924,14	VSAALKV 2615,806	ASAALKV 1631,931	IsaaLKV 4179,811	FSAALKV 3561,477	YSAALKV 2545,65
LSAALKL 4608,289	VSAALKL 4394,308	ASAALKL 2839,379	IsaaLKL 7187,649	FSAALKL 3849,684	YSAALKL 3235,624
LsaaLKI 3517,744	VSAALKI 4190,095	ASAALKI 2426,927	IsaaLKI 6219,351	FSAALKI 4738,215	YSAALKI 4251,094
LSAALKA 2573,5263	VsaaLKa 2969,478	asaaLKa 1739,682	IsaaLKa 4777,748	FSAALKA 3194,797	YsaaLKa 1297,611
LsaaLKY 3815,744	VsaaLKY 3610,484	ASAALKY 1751,114	IsaaLKY 5596,476	FSAALKY 1956,01	YSAALKY 1284,824
LSAALKD 7701,425	VsaaLKD 5682,274	ASAALKD 835,7793	IsaaLKD 10961,1924	FSAALKD 6552,594	YSAALKD 4181,334
LSAAIKE 8454,374	VSAAIKE 5392,811	ASAAIKE 1947,5746	ISAAIKE 5633,328	FSAAIKE 4987,454	YSAAIKE 6250,154
LSAAIKV 4916,2925	VSAAIKV 935,038	asaaIKV 873,649	IsaaIKV 1761,018	FSAAIKV 3131,636	YSAAIKV 1696,214
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LsaaIKL 5212,844	VsaaIKL 2074,044	ASAAIKL 2216,674	IsaaIKL 3203,214	FSAAIKL 3526,245	YSAAIKL 2976,941
LsaaIKI 4378,904	VsaaIKI 2422,174	ASAAIKI 2255,309	IsaaIKI 3236,124	FSAAIKI 3354,464	YSAAIKI 3068,174
LsaaIKa 3999,614	VSAAIKA 2576,505	asaaIKa 1665,754	IsaaIKa 2672,998	FSAAIKA 2150,453	YsaaIKa 2574,438
LSAAIKY 3251,06	VSAAIKY 1273,539	asaaIKY 1376,593	IsaaIKY 2202,98	FSAAIKY 1996,807	YSAAIKY 1661,714
LsaaIKD 8366,9068	VSAAIKD 5014,314	asaaIKD 97,3051	IsaaIKD 4322,924	FSAAIKD 5551,734	YSAAIKD 3418,986
LSAAAKE 4406,5466	VSAAAKE 1580,974	asaaaKE -65,6062	IsaaaKE 1929,557	FSAAAKE 5330,8065	YSAAAKE 3949,024
LsaaaKV 1321,6944	VsaaaKV 381,011	asaaaKV 348,5081	IsaaaKV 531,915	FSAAAKV 2644,167	YSAAAKV 1303,854
LSAAAKL 2337,261	VsaaaKL 490,073	asaaaKL 966,584	IsaaaKL 1830,294	FsaaaKL 3364,584	YSAAAKL 2852,547
LsaaaKI 2479,2693	VsaaaKI 700,123	asaaaKI 374,014	IsaaaKI 987,59	FsaaaKI 3091,713	YSAAAKI 2039,514
LsaaaKa 783,167	VsaaaKa 239,025	asaaa <mark>K</mark> a -79,9628	IsaaaKa 887,696	FSAAAKA 2955,52	YsaaaKa 1622,154
LSAAAKY 804,203	VSAAAKY 511,557	азала <mark>КУ</mark> -154,504	Isaaa <mark>KY</mark> 627,575	FSAAAKY 1615,39	Ysaaa <b>K</b> Y 492,737
LSAAAKD 3339,7382	VSAAAKD 1595,184	asaaa <mark>KD</mark> 0	IsaaaKD 2463,6548	FSAAAKD 3606,664	YSAAAKD 3041,3807
LsaaYKE 2626,246	VsaaYKE 1846,634	asaa¥KE 526,3246	IsaaYKE 2420,844	FSAAYKE 7215,914	YSAAYKE 3142,344
LsaaYKV 1070,699	VsaaYKV 1998,251	asaa¥KV 816,2305	IsaaYKV 2580,118	FSAAYKV 3999,014	YSAAYKV 2285,663
LsaaYKL 2827,464	VsaaYKL 2855,555	asaaYKL 1643,2202	IsaaYKL 2901,747	FSAAYKL 6157,387	YSAAYKL 3837,014
LsaaYKI 2648,787	VsaaYKI 2405,809	asaa¥KI 1099,484	IsaaYKI 2739,794	FSAAYKI 4962,96	YSAAYKI 3231,144
LsaaYKa 873,8396	VsaaYKa 2314,309	asaa <mark>YK</mark> a 934,5601	IsaaYKa 1839,891	FsaaYKa 3951,95	YsaaYKa 1484,206
LsaaYKY 1522,402	VsaaYKY 2783,463	asaa¥K¥ 270,366	IsaaYKY 2001,52	FSAAYKY 3730,275	YSAAYKY 1538,037
LsaaYKD 1995,0242	VsaaYKD 1831,0085	asaaYKD -20,0139	IsaaYKD 2973,233	FSAAYKD 5133,528	YSAAYKD 1412,308
LSAADKE 485,5395	VsaaDKE -53,876	asaaDKE 0	ISAADKE 494,5022	FSAADKE 527,2297	YSAADKE -52,1552
LsaaDKV 2527,0678	VsaaDKV 592,1047	asaaDKV -33,0767	IsaaDKV 1980,802	FSAADKV 2471,954	YSAADKV 34,1016
LsaaDKL 4346,3438	VsaaDKL 1548,171	ASAADKL 233,203	IsaaDKL 4176,127	FSAADKL 5521,632	YSAADKL 1325,164
LsaaDKI 4422,664	VsaaDKI 1254,242	ASAADKI 14,9909	IsaaDKI 3996,854	FSAADKI 4027,019	YSAADKI 1114,354
LsaaDKa 3623,6954	VsaaDKa 359,098	asaaDKa -11,8022	IsaaDKa 2949,8668	FsaaDKa 3083,214	YSAADKA -66,376
LsaaDKY 4010,1515	VsaaDKY 522,695	asaaDKY -102,036	IsaaDKY 2179,38	FSAADKY 2263,1963	YsaaDKY -112,545
LsaaDKD -11,0521	VsaaDKD 0	ASAADKD -11,1368	IsaaDKD -61,4989	FSAADKD 0	YsaaDKD -98,4689
LSAIEKE 15737,724	VsaIEKE 15205,1723	ASAIEKE 2534,6982	ISAIEKE 14911,99	FSAIEKE 13578,162	YSAIEKE 6629,298
LSAIEKV 16170,453	VSAIEKV 12042,142	asaIEKV 3080,9885	ISAIEKV 13666,245	FSAIEKV 9653,495	YSAIEKV 3576,743
LSAIEKL 16125,888	VSAIEKL 11854,844	ASAIEKL 4411,674	IsaIEKL 17489,46	FSAIEKL 11145,533	YSAIEKL 6381,214
LsaIEKI 17376,151	VsaIEKI 11241,922	<b>ASAIEKI</b> 4262,889	ISAIEKI 17353,992	FSAIEKI 10378,838	YSAIEKI 5272,411
LsaIEKa 18089,619	VsaIEKa 11139,764	asaIEKa 6101,814	IsaIEKa 19135,443	FsaIEKa 11946,339	YsaIEKa 10716,827
LsaIEKY 15177,559	VsaIEKY 8171,991	ASAIEKY 3279,754	IsaIEKY 14555,242	FSAIEKY 9080	YSAIEKY 5040,872
LsaIEKD 17113,264	VsaIEKD 8732,4102	ASAIEKD 1621,874	IsaIEKD 16191,1	FsaIEKD 9602,814	YSAIEKD 8404,054
LsaIVKE 6877,351	VsaIVKE 5738,794	ASAIVKE 4533,044	IsaIVKE 11227,446	FsaIVKE 5722,472	YsaIVKE 7932,274
LsaIVKV 3310,68	VsaIVKV 2732,39	asaIVKV 2670,158	IsaIVKV 5204,139	FsaIVKV 3036,509	YsaIVKV 3623,362
LsaIVKL 5264,944	VsaIVKL 5533,443	<b>ASAIVKL</b> 4438,099	IsaIVKL 6886,12	FsaIVKL 3746,69	YsaIVKL 4299,666
LsaIVKI 4214,994	VsaIVKI 3360,554	asaIVKI 3272,184	IsaIVKI 5198,7	FsaIVKI 2893,92	YsaIVKI 3690,656
LsaIVKa 2768,953	VsaIVKa 2825,316	asaIVKa 2455,71	IsaIVKa 5804,328	FsaIVKa 2979,778	YsaIVKa 7126,43
LsaIVKY 4553,882	VsaIVKY 3722,676	asaIVKY 3504,839	IsaIVKY 5412,195	FsaIVKY 4096,956	YsaIVKY 3656,72
LsaIVKD 10782,424	VsaIVKD 5104,104	asaIVKD 2550,199	IsaIVKD 8753,827	FsaIVKD 6970,93	YsaIVKD 7424,833
LsaILKE 10706,792	VsaILKE 7967,848	ASAILKE 6565,982	IsaILKE 10944,845	FsaILKE 7360,162	YSAILKE 12225,964
LsaILKV 5431,074	VsaILKV 3328,003	asaILKV 4205,02	IsaILKV 5133,356	FsaILKV 4657,192	YsaILKV 5340,96
LsaILKL 7530,894	VsaILKL 6971,667	asaILKL 7096,03	IsaILKL 7895,17	FSAILKL 3529,22	YsaILKL 6305,62
LsaILKI 5932,754	VsaILKI 4040,061	asaILKI 4645,25	IsaILKI 4930,02	FSAILKI 6263,996	YsaILKI 5795,99
LsaILKa 4172,756	VsaILKa 3555,768	asaILKa 3786,915	IsaILKa 3039,36	FsaILKa 3611,987	YsaILKa 5548,261
LsaILKY 5156,741	VsaILKY 4939,695	asaILKY 3643,89	IsaILKY 6656,494	FsaILKY 4983,136	YSAILKY 3908,744
LsaILKD 7800,839	VsaILKD 9036,886	ASAILKD 5592,214	IsaILKD 12768,147	FsaILKD 7504,814	YsaILKD 8192,679
LsaIIKE 6803,886	VsaIIKE 7076,054	ASAIIKE 6244,79	ISAII <b>KE</b> 7461,911	FSAIIKE 7248,117	YSAIIKE 7332,904
LsaIIKV 4027,779	VsaIIKV 3557,153	ASAIIKV 3550,634	IsaIIKV 3970,56	FsaIIKV 4801,014	YsaIIKV 4102,768
LsaIIKL 5738,034	VsaIIKL 6755,574	ASAIIKL 5284,531	ISAIIKL 6755,5	FsaIIKL 6863,41	YsaIIKL 4214,884
LsaIIKI 4457,02	VsaIIKI 5017,614	ASAIIKI 3856,052	IsaII <b>K</b> I 4791,55	FsaIIKI 5605,814	YSAIIKI 5232,545
LsaIIKa 3031,534	VsaIIKa 3229,867	asaIIKa 4270,864	IsaIIKa 3871,511	FsaIIKa 5149,563	YsaIIKa 3856,079
LsaIIKY 4516,207	VsaIIKY 4189,032	ASAIIKY 4275,232	IsaIIKY 5078,45	FsaIIKY 6838,683	YsaIIKY 3269,936
LsaIIKD 6250,964	VsaIIKD 6760,955	ASAIIKD 4541,744	IsaIIKD 9202,414	FsaIIKD 9553,291	YsaIIKD 6789,19
LsaIaKE 6251,966	VsaIaKE 5892,714	ASAIAKE 3688,4187	IsaIaKE 7856,54	FsaIaKE 13354,753	YsaIaKE 5550,178
LsaIaKV 2404,766	VsaIaKV 2402,462	ASAIAKV 1468,955	IsaIaKV 2346,52	FsaIaKV 5042,669	YsaIaKV 1120,195
LsaIaKL 3388,214	VsaIaKL 3692,984	ASAIAKL 2193,742	IsaIaKL 3126,962	FsaIaKL 6302,734	YsaIaKL 1854,024
LsaIaKI 3149,094	VsaIaKI 2983,758	ASAIAKI 1444,552	IsaIaKI 3625,815	FsaIaKI 4301,714	YsaIaKI 1894,994
LsaIaKa 1718,2587	VsaIaKa 2981,704	asaIaKa 1246,024	IsaIaKa 3647,794	FsaIaKa 5306,922	YsaIaKa 4327,584
LsaIaKY 3722,57	VsaIaKY 1456,943	asaIaKY 1304,684	IsaIaKY 3078,259	FsaIaKY 6242,839	YsaIaKY 2167,382
LsaIaKD 5603,8207	VsaIaKD 4664,084	asaIaKD 1726,841	IsaIaKD 6422,444	FsaIaKD 12378,004	YsaIaKD 5133,426

LsaIYKE 6979,594	VsaIYKE 5037,25	ASAIYKE 3804,147	ISAIYKE 7151,254	Fsalyke 13334,624	YSAIYKE 4805,16
LsaIYKV 2240,534	VsaIYKV 2531,814	ASAIYKV 2234,439	IsaIYKV 2708,192	FsaIYKV 4599,774	YSAIYKV 2757,303
LsaIYKL 3474,937	VsaIYKL 3462,194	ASAIYKL 2660,614	ISAIYKL 4376,558	FsaIYKL 6754,884	YSAIYKL 4602,887
LsaIYKI 3688,716	VsaIYKI 2331,318	asaIYKI 3202,865	IsaIYKI 3862,344	FsaIYKI 4955,55	YSAIYKI 3341,034
LsaIYKa 2586,294	VsaIYKa 5081,992	asaIYKa 2749,494	IsaIYKa 2850,893	FsaIYKa 3071,394	YsaIYKa 4597,176
LsaIYKY 3643,874	VsaIYKY 4169,763	asaIYKY 2116,24	IsaIYKY 4022,633	FsaIYKY 3557,409	YSAIYKY 2591,563
LsaIYKD 6758,076	VsaIYKD 6490,236	asaIYKD 1638,6109	IsaIYKD 7668,354	FsalYKD 5880,327	YSAIYKD 5574,254
LsaIDKE 9171,424	VSAIDKE 5185,074	<b>ASAIDKE</b> 198,31242	ISAIDKE 10835,633	<b>FSAIDKE</b> 6022,975	YSAIDKE 2041,644
LsaIDKV 11944,509	VsaIDKV 7540,517	ASAIDKV 2446,078	IsaIDKV 13298,764	FsaIDKV 7420,037	YSAIDKV 4672,597
LsaIDKL 13020,73	VsaIDKL 9010,36	ASAIDKL 3624,674	IsaIDKL 18077,202	FSAIDKL 11793,93	YSAIDKL 8405,311
LsaIDKI 11636,684	VSAIDKI 8105,846	ASAIDKI 3523,07	IsaIDKI 14530,429	FSAIDKI 7746,849	YSAIDKI 4978,035
LsaIDKa 12727,453	VsaIDKa 6236,676	asaIDKa 3480,961	IsaIDKa 17607,153	FsaIDKa 7928,206	YsaIDKa 8411,434
LsaIDKY 10492,199	VsaIDKY 7255,837	ASAIDKY 2071,594	IsaIDKY 14531,772	FsaIDKY 6978,104	YSAIDKY 3490,374
LsaIDKD 5090,4342	VsaIDKD 1625,784	ASAIDKD 67,0296	IsaIDKD 5898,464	FsaIDKD 1839,484	YSAIDKD 1890,313
Lsafeke 15490,304	VsaFEKE 13385,7636	ASAFEKE 3175,3204	IsaFEKE 20267.119	FsaFEKE 13363,576	YSAFEKE 13616,249
LsaFEKV 12971,696	VsaFEKV 10571,592	asaFEKV 3801,884	IsaFEKV 15234,264	FsaFEKV 9450.356	YsaFEKV 11828,511
LsaFEKL 13864,892	VsaFEKL 14296,98	ASAFEKL 5172,273	IsaFEKL 19554,113	FSAFEKL 12218,664	YsaFEKL 13013,57
LsaFEKI 12352,794	VsaFEKI 10479,251	ASAFEKI 5509,676	IsaFEKI 18196,984	FSAFEKI 10244,888	YsaFEKI 9062.193
LsaFEKa 19418,144	VsaFEKa 12403,81	ASAFEKA 6359,394	IsaFEKa 17598,286	FsaFEKa 13776,672	YsaFEKa 13289,814
LsaFEKY 15526,753	VSAFEKY 8907,764	ASAFEKY 3155,067	ISAFEKY 12742,184	FSAFEKY 8587,074	YsaFEKY 5464,744
LsaFEKD 17616,184	VsaFEKD 9143,0482	ASAFEKD 1706,894	ISAFEKD 14358,176	FSAFEKD 12999,2	YsaFEKD 14684,142
LsafVKE 10566,084					
	VsaFVKE 9081,984	ASAFVKE 5049,96	IsaFVKE 9538,147	FSAFVKE 8320,307	YSAFVKE 10314,926
LsaFVKV 4449,603	VsaFVKV 4319,631	ASAFVKV 2817,265	IsaFVKV 3275,51	FsaFVKV 3892,964	YsaFVKV 6232,96
LsaFVKL 6250,221	VsaFVKL 6275,851	ASAFVKL 5524,748	IsaFVKL 6242,639	FsaFVKL 6154,636	YsaFVKL 6690,59
LsaFVKI 4509,661	VsaFVKI 5511,917	ASAFVKI 3221,034	IsaFVKI 4969,96	FsaFVKI 6466,46	YsaFVKI 6754,292
LsaFVKa 3224,932	VsaFVKa 3890,654	asaFVKa 3154,874	IsaFVKa 4950,179	FsaFVKa 5200,851	YsaFVKa 6650,594
LsaFVKY 4162,023	VsaFVKY 5148,208	ASAFVKY 4771,179	IsaFVKY 4713,774	FsaFVKY 4615,4	YsaFVKY 2710,03
LsaFVKD 7863,834	VsaFVKD 7890,194	ASAFVKD 2446,395	IsaFVKD 7567,728	FsaFVKD 10492,937	YsaFVKD 9935,447
LSAFLKE 11235,145	VsaFLKE 13731,906	asaFLKE 8188,514	IsaFLKE 12086,8	FsaFLKE 15403,398	YSAFLKE 9436,414
LsaFLKV 5862,525	VsaFLKV 7224,028	asaFLKV 3403,874	IsaFLKV 7441,791	FsaFLKV 7847,654	YsaFLKV 5566,054
LsaFLKL 7256,167	VsaFLKL 8830,896	asaFLKL 7044,44	IsaFLKL 8742,69	FsaFLKL 11283,46	YsaFLKL 6514,117
LsaFLKI 6192,481	VsaFLKI 6339,004	asaFLKI 5005,904	IsaFLKI 5584,46	FsaFLKI 10644,608	YsaFLKI 4904,32
LsaflKa 4606,834	VsaFLKa 6648,889	asaFLKa 3853,865	IsaFLKa 7449,659	FsaFLKa 8017,048	YsaFLKa 4192,729
LsaFLKY 5168,059	VsaFLKY 4698,169	asaFLKY 3068,034	IsaFLKY 7972,57	FsaFLKY 7358,88	YSAFLKY 2969,771
LsaFLKD 9865,544	VsaFLKD 12459,443	ASAFLKD 6859,536	IsaFLKD 14134,257	FsaFLKD 14890,859	YsaFLKD 8979,97
Lsafike 9653,533	VsaFIKE 9970,404	ASAFIKE 5356,154	IsaFIKE 11342,264	FsaFIKE 14409,924	YSAFIKE 6921,341
LsaFIKV 5127,301	VsaFIKV 5591,72	ASAFIKV 2490,784	IsaFIKV 6541,704	FsaFIKV 6701,9	YSAFIKV 4593,494
LsaFIKL 6430,014	VsaFIKL 7454,264	ASAFIKL 4043,454	IsaFIKL 8423,19	FsaFIKL 10183,355	YSAFIKL 6100,816
LsaFIKI 5440,164	VsaFIKI 5465,879	ASAFIKI 3019,831	IsaFIKI 5966,57	FsaFIKI 9055,176	YsaFIKI 5338,807
LsaFIKa 3681,794	VsaFIKa 5183,596	asaFIKa 2903,801	IsaFIKa 5886,027	FsaFIKa 8402,694	YsaFIKa 4423,536
LsaFIKY 4865,233	VsaFIKY 6194,522	asaFIKY 3537,934	IsaFIKY 6425,909	FsaFIKY 7266,72	YSAFIKY 3046,273
LsaFIKD 9603,354	VsaFIKD 9259,762	asaFIKD 3379,294	IsaFIKD 11127,584	FsaFIKD 12217,024	YsaFIKD 8341,151
LsaFaKE 8607,9686	VsaFaKE 7669,381	asaFaKE 3878,2682	IsaFaKE 9048,898	FsaFaKE 14533,251	YSAFAKE 10772,288
LsaFaKV 3767,715	VsaFaKV 2436,078	asaFaKV 1029,534	IsaFaKV 3993,618	FsaFaKV 4543,381	YsaFaKV 3077,399
LsaFaKL 4900,339	VsaFaKL 6535,325	ASAFAKL 2319,923	IsaFaKL 5224,195	FsaFaKL 5337,971	YsaFaKL 3639,616
LsaFaKI 4386,981	VsaFaKI 4052,788	asaFaKI 1769,39	IsaFaKI 5589,679	FsaFaKI 3973,724	YsaFaKI 3167,14
LsaFaKa 2890,084	VsaFaKa 3433,254	asaFa <b>K</b> a 651,545	IsaFaKa 4869,124	FsaFaKa 4182,891	YsaFa <b>K</b> a 6568,281
LsaFaKY 3602,794	VsaFaKY 2545,804	asaFaKY 1422,3189	IsaFaKY 4779,545	FsaFaKY 2610,286	YsaFaKY 1789,34
LsaFaKD 6966,66	VsaFaKD 6555,4789	asaFaKD 2120,074	IsaFaKD 9977,159	FsaFaKD 8739,914	YsaFaKD 10067,649
LsaFYKE 9343,932	VsaFYKE 8676,907	ASAFYKE 3802,914	IsaFYKE 11906,211	FsaFYKE 7966,511	YSAFYKE 10778,192
LsaFYKV 4029,006	VsaFYKV 3363,094	asaFYKV 2579,839	IsaFYKV 5733,996	FsaFYKV 4145,962	YsaFYKV 4340,523
LsaFYKL 5506,619	VsaFYKL 5139,944	asaFYKL 3338,735	IsaFYKL 9133,584	FsaFYKL 4722,25	YsaFYKL 4712,441
LsafyKI 4373,904	VsaFYKI 4573,949	ASAFYKI 2513,744	IsaFYKI 7131,952	FsaFYKI 4259,119	YsaFYKI 4869,896
LsaFYKa 3685,074	VsaFYKa 3566,51	asaFYKa 2438,144	IsaFYKa 5316,052	FsaFYKa 3701,374	YsaFYKa 5908,324
LsaFYKY 4515,224	VsaFYKY 4131,25	asaFYKY 2137,431	IsaFYKY 6905,724	FsaFYKY 3494,972	YsaFYKY 3614,01
LsaFYKD 7630,387	VsaFYKD 7422,566	asaFYKD 2692,32	IsaFYKD 8013,521	FsaFYKD 6148,105	YsaFYKD 7855,834
LsaFDKE 5688,572	VsaFDKE 3941,0648	ASAFDKE 590,0651	IsaFDKE 10154,2922	FSAFDKE 7314,566	YsaFDKE 3692,324
LsaFDKV 7355,819	VsaFDKV 5719,382	ASAFDKV 2501,228	IsaFDKV 12350,844	FsaFDKV 6473,149	YsaFDKV 3437,593
LsaFDKL 18962,144	VsaFDKL 9083,037	ASAFDKL 4396,634	IsaFDKL 14259,764	FsaFDKL 7636,674	YsaFDKL 8169,974
LsaFDKI 13794,608	VsaFDKI 6603,594	ASAFDKI 3445,702	IsaFDKI 9368,381	FSAFDKI 7051,084	YsaFDKI 5917,064
LsaFDKa 10130,124	VsaFDKa 6553,434	ASAFDKA 3276,854	IsaFDKa 10782,484	FsaFDKa 8163,504	YsaFDKa 9528,158
	0000,104				

LsaFDKY 8772,726	VsaFDKY 5181,483	asaFDKY 2065,873	IsaFDKY 7387,554	FsaFDKY 4489,684	YsaFDKY 4318,412
LsaFDKD 4868,4874	VsaFDKD 1771,384	asaFDKD -77,1993	IsaFDKD 3389,6842	FsaFDKD 3303,721	YsaFDKD 2660,708
LsaYEKE 6679,6556	VsaYEKE 3517,7144	asaYEKE 511,1511	IsaYEKE 5386,138	FsaYEKE 7115,941	YSAYEKE 4750,984
LsaYEKV 6706,424	VsaYEKV 5178,671	asaYEKV 1298,454	IsaYEKV 6141,58	FsaYEKV 6000,914	YSAYEKV 4177,302
LsaYEKL 7078,108	VsaYEKL 6448,482	asaYEKL 2171,354	IsaYEKL 8252,904	FsaYEKL 11644,984	YSAYEKL 6779,613
LsaYEKI 6889,233	VsaYEKI 5698,702	ASAYEKI 1949,654	IsaYEKI 6482,335	FsaYEKI 8794,383	YSAYEKI 5606,945
LsaYEKa 7383,8082	VsaYEKa 5358,454	asaYEKa 1469,248	IsaYEKa 5943,594	FsaYEKa 8618,287	YSAYEKA 5546,033
LsaYEKY 5472,214	VsaYEKY 4160,667	asaYEKY -7,583	IsaYEKY 4808,509	FSAYEKY 6736,684	YSAYEKY 3163,205
LsaYEKD 5053,324	VsaYEKD 2339,571	ASAYEKD -111,636	IsaYEKD 4691,014	FsaYEKD 5083,789	YSAYEKD 2050,194
LsaYVKE 5141,582	VsaYVKE 5034,654	ASAYVKE 2273,354	IsaYVKE 5315,25	FsaYVKE 10065,731	YSAYVKE 2861,305
LsaYVKV 4161,681	VsaYVKV 2099,988	ASAYVKV 2643,139	IsaYVKV 4354,474	FsaYVKV 5307,186	YSAYVKV 2216,688
LsaYVKL 5068,495	VsaYVKL 5211,072	asaYVKL 2962,782	IsaYVKL 6248,444	FsaYVKL 8492,679	YSAYVKL 4375,681
LsaYVKI 4128,484	VsaYVKI 3600,474	asaYVKI 2438,904	IsaYVKI 6274,893	FsaYVKI 7408,53	YSAYVKI 2838,564
LsaYVKa 2871,998	VsaYVKa 4539,142	asaYVKa 1445,697	IsaYVKa 4330,367	FsaYVKa 5106,347	YsaYVKa 1871,556
LsaYVKY 2994,184	VsaYVKY 4876,517	asaYVKY 1733,819	IsaYVKY 3677,774	FsaYVKY 4476,42	YSAYVKY 2742,63
LsaYVKD 3731,748	VsaYVKD 4078,63	asaYVKD 18,918	IsaYVKD 4129,064	FsaYVKD 4167,89	YSAYVKD 1955,206
LsaYLKE 6037,98	VsaYLKE 8189,738	ASAYLKE 2825,117	IsaYLKE 8699,953	FSAYLKE 8333,309	YSAYLKE 3640,695
LsaYLKV 4881,445	VsaYLKV 5919,46	asaYLKV 2612,781	IsaYLKV 6669,161	FsaYLKV 7029,68	YSAYLKV 4395,273
LsaYLKL 6705,694	VsaYLKL 7468,774	ASAYLKL 3580,537	IsaYLKL 6558,84	FsaYLKL 8559,42	YSAYLKL 4737,694
LsaYLKI 5717,092	VsaYLKI 7029,991	asaYLKI 3613,194	IsaYLKI 7579,021	FsaYLKI 8246,04	YSAYLKI 3413,53
LsaYLKa 4228,016	VsaYLKa 5663,304	asaYLKa 1870,454	IsaYLKa 5261,922	FsaYLKa 3971,39	YsaYLKa 3241,447
LsaYLKY 3361,219	VsaYLKY 3789,942	asaYLKY 1527,204	IsaYLKY 4108,368	FsaYLKY 3883,165	YSAYLKY 873,244
LsaYLKD 4885,464	VsaYLKD 4440,984	asaYLKD 1760,001	IsaYLKD 7441,664	FsaYLKD 7159,714	YSAYLKD 2821,584
LsaYIKE 6585,314	VsaYIKE 12374,284	ASAYIKE 2275,854	IsaYIKE 8418,485	FSAYIKE 5393,967	YSAYIKE 3687,124
LsaYIKV 5071,084	VsaYIKV 6370,824	asaYIKV 1750,087	IsaYIKV 5773,434	FsaYIKV 4763,152	YSAYIKV 2717,107
LsaYIKL 6520,624	VsaYIKL 8221,798	ASAYIKL 3119,667	IsaYIKL 8901,304	FsaYIKL 6339,59	YSAYIKL 4502,104
LsaYIKI 5074,662	VsaYIKI 5075,884	ASAYIKI 2580,166	IsaYIKI 6184,388	FsaYIKI 5648,527	YSAYIKI 2709,262
LsaYIKa 4022,854	VsaYIKa 5063,054	asaYIKa 1641,162	IsaYIKa 7146,052	FsaYIKa 3196,097	YsaYIKa 2792,622
LsaYIKY 3310,558	VsaYIKY 4095,475	asaYIKY 1691,844	IsaYIKY 5272,055	FsaYIKY 3477,57	YSAYIKY 2963,92
LsaYIKD 4474,843	VsaYIKD 4343,662	asaYIKD 844,787	IsaYIKD 7718,854	FsaYIKD 3089,117	YsaYIKD 2084,91
LsaYaKE 5541,161	VsaYaKE 4823,054	asaYa <b>KE</b> 675,62	IsaYaKE 8645,855	FsaYaKE 6003,494	YsaYaKE 4372,694
LsaYaKV 2812,502	VsaYaKV 2875,454	asaYaKV 672,885	IsaYaKV 5244,234	FsaYaKV 3659,614	YsaYaKV 1978,469
LsaYaKL 3862,894	VsaYaKL 3866,694	asaYaKL 1248,839	IsaYaKL 8223,314	FsaYaKL 4898,714	YsaYaKL 3699,764
LsaYaKI 3768,41	VsaYaKI 2764,155	asaYaKI 842,844	IsaYaKI 6446,138	FsaYaKI 4443,463	YsaYaKI 3093,856
LsaYa <b>K</b> a 2890,05	VsaYaKa 2768,199	asaYa <b>K</b> a 602,147	IsaYa <b>K</b> a 3719,454	FsaYaKa 4104,254	YsaYa <b>K</b> a 2946,709
LsaYaKY 2136,434	VsaYaKY 2917,692	asaYaKY 706,16	IsaYaKY 5497,75	FsaYaKY 3374,654	YsaYaKY 1203,744
LsaYaKD 3029,744	VsaYaKD 3347,8706	asaYaKD 111,5843	IsaYaKD 7027,7415	FsaYaKD 5083,834	YsaYaKD 2425,603
LsaYYKE 9315,015	VsaYYKE 4175,637	asaYYKE 2025,944	IsaYYKE 6122,904	FsaYYKE 6986,67	YSAYYKE 3521,84
LsaYYKV 4958,653	VsaYYKV 2975,247	asaYYKV 2096,168	IsaYYKV 4022,125	FsaYYKV 3714,82	YSAYYKV 3074,4
LsaYYKL 4716,255	VsaYYKL 4165,221	asaYYKL 3098,124	IsaYYKL 4193,165	FsaYYKL 4121,588	YSAYYKL 5564,1
LsaYYKI 4192,739	VsayyKI 3907,001	ASAYYKI 2812,008	IsaYYKI 3643,692	FsaYYKI 4204,36	YSAYYKI 4116,07
LsaYYKa 2734,274	VsaYYKa 3199,276	asa <mark>YYK</mark> a 1767,971	IsaYYKa 2952,178	FsaYYKa 3076,444	YsaYYKa 2464,874
LsaYYKY 2594,104	Vsayyky 3264,854	asaYYKY 1631,971	IsaYYKY 2794,76	FsaYYKY 2973,73	YSAYYKY 2383,06
LsaYYKD 2821,589	VsayyKD 2448,814	asaYYKD 226,242	IsaYYKD 2668,034	FsaYYKD 2966,105	YSAYYKD 1290,626
LsaYDKE 2481,514	VsaYDKE 500,6147	asaYD <b>KE</b> -117,199	IsaYDKE 1490,212	FsaYDKE 2101,344	YSAYDKE 34,477
LsaYDKV 4452,3994	VsaYDKV 2323,822	asaYD <b>K</b> V 673,383	IsaYDKV 3353,713	FsaYDKV 3926,887	YsaYDKV 975,539
LsaYDKL 6198,894	VsaYDKL 3821,518	asaYDKL 1748,484	IsaYDKL 4140,548	FsaYDKL 7477,124	YsaYDKL 2300,474
LsaYDKI 5446,062	VsaYDKI 3157,489	asaYDKI 1151,879	IsaYDKI 4394,152	FsaYDKI 5816,496	YsaYDKI 2173,114
LsaYDKa 4259,081	VsaYDKa 1595,034	asaYDKa 3,678	IsaYDKa 3880,344	FsaYDKa 4230,511	YsaYDKa 890,1962
LsaYDKY 3526,384	VsaYDKY 1836,414	asaYDKY 277,9769	IsaYDKY 3709,404	FsaYDKY 3526,834	YSAYDKY 627,157
LsaYDKD 817,3261	VsaYDKD -75,056	asaYDKD 0	IsaYDKD 954,314	FsaYDKD 843,206	YsaYDKD -30,3926