TABLE I: Results of benchmark instances for the traditional VRPB.

Instance	BCP_{F2}	٥	ב	>	71	Ξ,		ВA		LNS	70	AM(S:	AM(Sampling)	 	РОМО		Ours	
	7 - 0 -	1	CPLEX	<	I I	C-11						ĺ						
	Obj. Gap Time(s) Obj.	Time(s)	Obj. Gap	Time(s)	Obj. Gap	p Time(s)	(s) Obj.	Gap Ti	Time(s) Obj.	oj. Gap	Time(s)	Obj. Gap	p Time(s)	Obj. Gap	ap Time(s)	Obj.	Gap Ti	Time(s)
X-n101-50-k13 18926 0.00%	18926 0.00%	73	1	I	1		59955	216.79% 50	56.316 34483	183 82.20%	% 1.394	55551 193.52%	52% 250.656	6 26314 39.04%	4.672	24643	30.21% 6	6.031
X-n101-66-k1	X-n101-66-k17 20357 0.00%	162	22510 10.58%	2 3600	1		57028	180.14%	52.683 39903	03 96.02%	% 1.345	55834 174.27%	27% 360.318	8 31183 53.18%	18% 5.315	28943	42.18% 6	6.932
X-n101-80-k2	X-n101-80-k21 23305 0.00%	33	24745 6.18%	3600	1		61967	165.90% 5	58.929 398	39803 70.79%	% 1.267	56193 141.12%	12% 552.040	0 33351 43.11%	11% 9.261	32960	41.43% 12	12.118
X-n106-50-k7	15413 0.00%	20			15556 0.93	99098	0 52256	239.04% 5	54.328 26962	62 74.93%	069'0 %	49309 219.92%	12% 233.871	18596 20.65%	55% 5.346	18437	19.62% 7	7.163
X-n106-66-k9	18984 0.00%	40	22821 20.21%	3600	19280 1.56	0098 %	0 48535	155.66% 4	47.879 295	29562 55.72%	988.0 %	49021 158.22%	22% 389.039	9 21947 15.61%	3.049	21697	14.29% 4	4.044
X-n106-80-k11	22099 0.00%	397	23241 5.17%	3600	22876 3.52	3600	0 48744	120.57% 4	48.134 30331	31 37.25%	% 0.852	51367 132.44%	14% 643.052	2 25804 16.77%	77% 5.182	25183	13.96% 6	6.837
X-n110-50-k7	13103 0.00%	10	16431 25.40%	3600	13055 -0.37	1% 3600	0 38190	191.46%	58.281 238	23839 81.94%	% 1.385	58091 343.34%	34% 259.981	1 16489 25.84%	34% 1.403	15645	19.40% 1	1.894
X-n110-66-k9	13598 0.00%	6	14654 7.77%	3600	13981 2.82	3600	0 36810	170.70%	53.542 23721	74.44%	996:0 %	58236 328.27%	27% 441.259	9 17415 28.07%	77% 2.832	16822	23.71% 3	3.736
X-n110-80-k1	X-n110-80-k11 14215 0.00%	281	16726 17.66%	3600	14887 4.73	3600	0 41038	188.70% 50	50.484 20692	92 45.56%	% 1.953	58736 313.20%	20% 676.249	9 19220 35.21%	21% 5.123	17705	24.55% 6	6.757
X-n115-50-k8	13927 0.00%	722	14316 2.79%	3600			36747	163.85%	52.258 316	31694 127.57%	7% 1.761	59402 326.52%	52% 315.185	5 20111 44.40%	10% 2.268	19522	40.17% 2	2.311
X-n115-66-k8	X-n115-66-k8 14032 0.00%	725	15035 7.15%	3600	14960 6.61	% 3600	0 40391	187.85% 4	48.814 247	24732 76.25%	% 1.217	59616 324.86%	36% 464.385	5 19430 38.47%	17% 3.656	19134	36.36% 4	4.856
X-n115-80-k9	X-n115-80-k9 13536 0.00%	31	16462 21.62%	3600	13759 1.65	3600	0 39516	191.93% 4	49.389 234	23460 73.32%	% 1.060	59498 339.55%	55% 853.424	4 19086 41.00%	00% 5.692	18072	33.51% 5	5.799
X-n120-50-k3	X-n120-50-k3 12416 0.00%	73	20528 65.34%	3600	12376 -0.32	2% 3600	0 33399	169.00%	98.300 23	23100 86.05%	% 2.322	66498 435.58%	342.041	1 15465 24.56%	56% 7.732	14774	18.99% 10	10.258
X-n120-66-k4	X-n120-66-k4 13145 0.00%	325	13629 3.68%	3600	13387 1.84	3600	0 34602	163.23%	76.157 235	23555 79.19%	% 2.015	65900 401.33%	33% 554.651	1 14823 12.77%	77% 1.326	15422	17.32% 1	1.830
X-n120-80-k5	X-n120-80-k5 13465 0.00%	2737	14966 11.15%	3600	13626 1.20	3600	0 36920	174.19%	77.222 234	23419 73.92%	% 1.215	65811 388.76%	76% 293.551	1 16301 21.06%	06% 2.500	16761	24.48% 3	3.172
X-n125-50-k1t	X-n125-50-k16 32065 0.00%	915					92346	188.00% 6	65.038 509	50970 58.96%	% 1.304	72566 126.31%	31% 374.119	9 39957 24.61%	8.960	38129 18.91%		11.122
X-n125-66-k19 36349 0.00%	36349 0.00%	271					96233	164.75%	63.552 560	56028 54.14%	% 1.147	74031 103.67%	57% 647.155	5 44864 23.43%	13% 9.384	45821	26.06% 11	11.731
X-n125-80-k2	X-n125-80-k23 43823 0.00%	11877	61525 40.39%	9 3600			102387	102387 133.64% 7.	73.035 587	58710 33.97%	% 1.443	76820 75.30%	0% 1005.608	8 54652 24.71%	17% 16.339	54463	24.28% 22	22.023
X-n129-50-k10	X-n129-50-k10 19409 0.00%	335	59118 204.59%	3600	21059 8.50	3600	0 59352	205.80%	69.256 355	35588 83.36%	% 1.105	69086 255.95%	5% 365.167	7 25290 30.30%	30% 2.731	23979	23.55% 3	3.836
X-n129-66-k1	X-n129-66-k12 22554 0.00%	226	30957 37.26%	9 3600	1		62263	176.06% 59	59.716 38277	277 69.71%	% 0.917	70438 212.31%	31% 659.837	7 29165 29.31%	31% 5.985	28457	26.17% 7	7.948
X-n129-80-k1	X-n129-80-k14 24553 0.00%	108	34742 41.50%	9 3600			65494	166.75%	61.819 38471	171 56.69%	% 0.815	71857 192.66%	66% 984.720	0 32349 31.75%	75% 10.045	31336 27.63%		11.833
X-n134-50-k7	8316 0.00%	898			8562 2.96	99 3600	0 34669	316.90%	77.884 16	16765 101.60%	1.266	39823 378.87%	37% 412.911	11698 40.67%	57% 11.040	10571	27.12% 1	14.292
X-n134-66-k9	8891 0.00%	621	10466 17.71%	9 3600	9316 4.78	3600	0 28587	221.53% 70	70.026 155	15526 74.63%	% 1.043	39094 339.70%	70% 548.683	3 12336 38.75%	75% 4.149	11968	34.61% 5	5.546
X-n134-80-k11	9637 0.00%	1222	13234 37.32%	2 3600		- 3600	0 28849	199.36% 6	64.590 160	16043 66.47%	% 1.374	40303 318.21%	21% 870.209	9 14348 48.88%	88% 7.593	13626	41.39% 9	9.905
X-n139-50-k5	13237 0.00%	290			13319 0.62	3600	0 43201	226.37% 6	65.640 23907	07 80.61%	% 2.461	71498 440.14%	4% 452.822	2 16386 23.79%	79% 12.057	15663	18.33% 15	15.408
X-n139-66-k7	13512 0.00%	51	14510 7.39%	3600	13761 1.84	3600	0 42321	213.21% 7:	75.953 24121	21 78.52%	% 0.863	72185 434.23%	33% 858.646	6 16881 24.93%	3% 3.473	16649	23.22% 4	4.494
X-n139-80-k8	13662 0.00%	40	16401 20.05%	3600	14996 9.76	99 3600	0 45842	235.54% 6	67.084 23305	305 70.58%	% 1.013		18% 1228.66	$72830\ 433.08\%\ 1228.662 \ 17855\ 30.69\%$	9% 6.582	18097	32.46% 8	8.525
X-n143-50-k4	X-n143-50-k4 14539 0.00%	214			14476 -0.43	3% 3600	0 55146	279.30% 118.462		29247 101.16%	5% 1.265	84207 479.18%	18% 502.804	4 20280 39.49%	13.095	18751	28.97% 17	17.356
X-n143-66-k4	X-n143-66-k4 14310 0.00%	82	19055 33.16%	3600	14253 -0.40	3600	0 47991	235.37% 1.	122.77 257	25775 80.12%	% 1.589	82738 478.18%	18% 920.191	1 19084 33.36%	36% 1.882	18692	30.62% 2	2.493
X-n143-80-k5	X-n143-80-k5 14397 0.00%	2822	17565 22.00%	3600	14511 0.79	3600	0 42456	194.89%	92.877 29	29457 104.61%	% 1.221	82231 471.17%	17% 314.066	6 20174 40.13%	13% 3.428	19647	36.47% 4	4.574
X-n148-50-k2;	X-n148-50-k25 28210 0.00%	30				1	59726	59726 111.72% 444.797	4.797 51667	67 83.15%	% 1.897	79651 182.35%	35% 536.374	4 36186 28.27%	27% 14.737	33998 20.52%		18.494
X-n148-66-k29	X-n148-66-k29 30392 0.00%	112	1	I			68182	124.34% 204.744 54634	14.744 546	34 79.76%	% 1.167	80006 163.25%	25% 979.871	1 45176 48.64%	54% 21.538	43081	41.75% 23	23.296
X-n148-80-k3	X-n148-80-k36 35333 0.00%	318	59116 67.31%	9 3600			87536	147.75% 102.427	12.427 624	62426 76.68%	% 1.387	80494 127.8	32% 1429.33	80494 127.82% 1429.336 50637 43.31%	31% 38.026	47899 35.56%		37.690

Inctonoa	BCP_{F2}	, į	CPLEX	×	I 	ГКН-3		GA		LNS		AM(Sampling)		POMO		Ours	
201111	Obj. Gap	Gap Time(s) Obj.	Obj. Gap	Time(s)	Obj.	Gap Tin	Time(s) C	Obj. Gap Tin	Time(s) Obj.	. Gap	Time(s)	Obj. Gap Tim	Time(s) Obj.	. Gap Time(s)	Obj.	Gap Tir	Time(s)
X-n153-50-k19 20536 0.00%	20536 0.00%	23	22401 9.08%	9900			- 25	54341 164.61% 83.	83.752 40690	0 98.14%	1.691	68465 233.39% 576.	576.285 28157	7 37.11% 9.713	27402	33.43% 10	10.022
X-n153-66-k20 20613 0.00%	20613 0.00%	31	27258 32.24%	2 3600	1		52	52977 157.01% 96.	96.038 40206	95.05%	1.217	69283 236.11% 1052.979	979 3029	30293 46.96% 17.155		27850 35.11% 17	17.761
X-n153-80-k21 20811 0.00%	20811 0.00%	57	24422 17.35%	0098 %		· 	 <u>4</u>	49269 136.74% 101	101.853 37840	0 81.83%	1.077	70831 240.35% 1551.680	.680 2885	28853 38.64% 24.266	28704	37.93% 25	25.147
X-n157-50-k7	11727 0.00%	37	49641 323.31%	0098 %	19865 69.40%		3600 42	42728 264.36% 79.	79.927 21741	11 85.39%	0.862	71833 512.54% 577.	577.031 1479	14793 26.14% 17.709	14567	24.22% 18	18.153
X-n157-66-k9	13651 0.00%	43	18108 32.65%	20098	35820 162.40%		3600 40	40484 196.56% 86.	86.923 24449	9 79.10%	0.910	72091 428.10% 674.	674.011 1789	17898 31.11% 5.599	16543	21.19% 5.	5.912
X-n157-80-k11 15246 0.00%	15246 0.00%	733	17706 16.14%	20098	23737 55	55.69% 30	3600 42	42882 181.27% 80.	80.866 23711	1 55.52%	0.817	73576 382.59% 929.	929.516 20272	2 32.97% 10.012	18114	18.81% 10	10.694
X-n162-50-k6	12812 0.00%	157	21564 68.31%	20098	12768 -0.34%		3600 55	55695 334.71% 102	102.215 23467	57 83.16%	966.0	78950 516.22% 649.020	020 16299	9 27.22% 2.339	15977	24.70% 2.	2.552
X-n162-66-k8	13301 0.00%	19365	14445 8.60%	93600	13592 2.	2.19% 30	3600 44	44337 233.34% 97.	97.671 22476	%86.89 9,	1.046	79341 496.50% 560.	560.246 17567	7 32.07% 5.246	17322	30.23% 5.	5.477
X-n162-80-k9	13854 0.00%	812	19422 40.19%	20098	14358 3.	3.64% 30	3600 45	45181 226.12% 83.	83.875 19690	0 42.13%	1.099	80268 479.39% 814.	814.259 1775	17755 28.16% 8.650	18445	33.14% 9.	9.027
X-n167-50-k5 16489 0.00%	16489 0.00%	336	31400 90.43%	2 3600	16627 0.	0.84% 30	3600 52	52388 217.71% 110	110.357 37900	0 129.85%	6 1.248	93321 465.96% 618.	618.061 2028	20283 23.01% 20.684	19493	18.22% 21	21.527
X-n167-66-k7 17717 0.00%	17717 0.00%	3411	27038 52.61%	3600	19073 7.	7.65% 30	3600 55	55083 210.90% 107.633 37187	.633 3718	37 109.89%	6 1.334	92146 420.10% 506.907		22266 25.68% 4.779	22737	28.33% 5.	5.173
X-n167-80-k8 19383 0.00%	19383 0.00%	770	28120 45.08%	20098	20496 5.	5.74% 30	3600 60	60899 214.19% 86.	86.643 31173	73 60.83%	1.130	92329 376.34% 728.	728.469 2539	25393 31.01% 8.070	25767	32.94% 8.	8.464
X-n172-50-k27 30535 0.00%	30535 0.00%	270	1	I		· 	$\frac{10}{10}$	104187 241.21% 113.297 46702	.297 4670	2 52.95%	1.072	91879 200.90% 744.	744.508 45085 47.65%	5 47.65% 24.248		38132 24.88% 24	24.791
X-n172-66-k31 31808 0.00%	31808 0.00%	161	1	I		· 	$\frac{-}{10}$	05375 231.28% 110.495 51829	.495 5182	9 62.94%	1.495	93878 195.14% 1314.079 48760 53.29%	.079 4876	0 53.29% 28.363		42280 32.92% 30	30.487
X-n172-80-k39 36746 0.00%	36746 0.00%	999	42044 14.42%	0098 %		· 	$\frac{-}{10}$	100874 174.52% 119.097 58266	.097 5826	6 58.56%	1.736	94435 156.99% 1931.767 58118 58.16%	.767 5811	8 58.16% 55.550	48864	48864 32.98% 59	59.308
X-n176-50-k23 45162 0.00%	45162 0.00%	437	52931 17.20%	2 3600				102595 127.17% 138.543 79078	.543 7907	8 75.10%	1.634	106279 135.33% 767.	261 6152	767.261 61520 36.22% 14.480		58223 28.92% 15	15.789
X-n176-66-k24 46337 0.00%	46337 0.00%	736	54648 17.94%	2 3600				117739 154.09% 119.553 81678	.553 8167	8 76.27%	2.089	$108404\ 133.95\%\ 1408.821\ \boxed{62776\ 35.48\%}$.821 6277		25.046 61080 31.82%		26.629
X-n176-80-k25 46987 0.00%	46987 0.00%	341	60342 28.42%	2 3600				119081 153.43% 121.452	.452 85886	86 82.79%	1.526	111557 137.42% 2168.249	.249 6317	63174 34.45% 39.620	(93985	63985 36.18% 37	37.748
X-n181-50-k12 16549 0.00%	16549 0.00%	57	51216 209.48%	0098 %			4.	49103 196.71% 126.011	5.011 28457	71.96%	1.369	72613 338.78% 806.	806.799 19789 19.58%	9 19.58% 30.610	19238	19238 16.25% 27	27.536
X-n181-66-k15 18832 0.00%	18832 0.00%	41	25241 34.03%	20098			<u>9</u> 	60347 220.45% 88.	88.974 30051	1 59.57%	1.047	73492 290.25% 1370.402		23466 24.61% 14.418	3 23265 23.	54%	13.718
X-n181-80-k18 21241 0.00%	21241 0.00%	54	27979 31.72%	2 3600			9 -	62524 194.36% 88.	88.743 29154	37.25%	1.092	74703 251.69% 2097.379		26747 25.92% 24.515	26193	23.31% 24	24.304
X-n186-50-k8	17868 0.00%	8806					<u>∞</u> 	80710 351.70% 112	112.233 37800	0 111.55%	6 1.271	107311 500.58% 881.772		21361 19.55% 30.952	21858	22.33% 31	31.025
X-n186-66-k10 19751 0.00%	19751 0.00%	302	28957 46.61%	2009			<u> </u>	66044 234.38% 106.510	5.510 33453	3 69.37%	1.169	106689 440.17% 863.	863.495 2590	25908 31.17% 9.428	25421	28.71% 9.	9.390
X-n186-80-k12 21631 0.00%	21631 0.00%	21953	35476 64.01%	20098				69555 221.55% 83.	83.939 34811	1 60.93%	1.242	107210 395.63% 1305.127		29834 37.92% 16.526	29459	36.19% 16	16.116
X-n190-50-k4 11493 0.00%	11493 0.00%	9606	1	I	18585 61.71%		3600 33	33120 188.18% 234	234.053 21998	8 91.40%	2.999	65007 465.62% 892.	892.589 1646	16462 43.24% 32.987		14693 27.84% 32	32.580
X-n190-66-k5 12719 0.00%	12719 0.00%	I	18749 47.41%	2 3600	20058 57.70%		3600 27	27969 119.90% 208.807	8.807 22741	11 78.80%	2.253	62983 395.19% 1619.939 15676 23.25%	.939 1567	6 23.25% 4.573		15987 25.69% 4.	4.360
X-n190-80-k6 14340 0.00%	14340 0.00%	I	20705 44.39%	2 3600	28186 96.56%		3600 36	36208 152.50% 151.281	.281 23711	1 65.35%	1.945	62827 338.12% 538.	538.239 1793	17938 25.09% 8.156		18334 27.85% 7.	7.760
X-n195-50-k27 29376 0.00%	29376 0.00%	869				1		109849 273.94% 132.348 55657	348 5565	7 89.46%	1.920	99583 238.99% 920.	920.564 4174	41744 42.10% 20.555		41038 39.70% 20	20.019
X-n195-66-k34 33077 0.00%	33077 0.00%	166		1		1		103113 211.74% 127.015 65806	.015 6580	98.95%	1.588	$101918\ 208.12\%\ 1617.328 \ \boxed{48609\ 46.96\%}$.328 486C	9 46.96% 46.284		47142 42.52% 44	44.090
X-n195-80-k42 38629 0.00%	38629 0.00%	186					10	103407 167.69% 139.290 65877	.290 6587	7 70.54%	1.814	102556 165.49% 2634.872	.872 5375	53752 39.15% 83.972		53308 38.00% 84	84.101
X-n200-50-k18 34291 0.00%	34291 0.00%	81125						138817 304.82% 87.	87.275 57922	2 68.91%	1.340	$107349\ 213.05\%\ 1050.741\ \boxed{42995\ 25.38\%}$.741 4299	5 25.38% 39.215		42510 23.97% 38	38.717
X-n200-66-k24 40321 0.00%	40321 0.00%		72616 80.09%	20098				115429 186.28% 142.721 58133	721 5813	3 44.18%	1.067	111606 176.79% 1862.389	.389 5399	53994 33.91% 30.964		49464 22.68% 30	30.222
X-n200-80-k29 47714 0.00%	47714 0.00%	585			ı		_ 13	131462 175.52% 73.	73.864 66399	9 39.16%	1.267	115814 142.73% 2689.703		59827 25.39% 55.331		56525 18.47% 54	54.081

TABLE II: Results of benchmark instances for the improved VRPB.

I	V		RTS			Halse			РОМО			Ours	_
Instance		Obj.	Gap	Time(s)	Obj.	Gap	Time(s)	Obj.	Gap	Time(s)	Obj.	Gap	Time(s)
A1	25	223088	0.00%	0.12	227725	2.08%	0.18	252586	13.22%	0.074	218636	-2.00%	0.141
A2	25	169450	0.00%	1.1	169497	0.03%	0.09	200788	18.49%	0.074	187178	10.46%	0.139
A3	25	141984	0.00%	2.7	142032	0.03%	0.05	169015	19.04%	0.066	157633	11.02%	0.144
B1	30	232371	0.00%	0.14	233950	0.68%	0.13	228069	-1.85%	0.067	178701	-23.10%	0.150
B2	30	179194	0.00%	0.11	182326	1.75%	0.07	169766	-5.26%	0.068	154835	-13.59%	0.146
B3	30	145583	0.00%	0.27	145699	0.08%	0.3	135569	-6.88%	0.072	134622	-7.53%	0.150
C1 C2	40	237100	0.00% 0.00%	1.02	242931 197276	2.46%	0.69	200847 190641	-15.29%	0.156	179478	-24.30% -15.32%	0.207 0.198
C2	40	196683 164794	0.00%	0.11 3.42	167663	0.30% 1.74%	0.74 0.06	190641	-3.07% 15.68%	0.132 0.133	166557 165184	0.24%	0.198
D1	38	307109	0.00%	2.63	307875	0.25%	0.47	379438	23.55%	0.081	302853	-1.39%	0.156
D3	38	220700	0.00%	2.34	222195	0.68%	0.18	282539	28.02%	0.082	251700	14.05%	0.150
E1	45	220742	0.00%	0.11	222518	0.80%	0.43	258360	17.04%	0.089	245284	11.12%	0.176
E2	45	190601	0.00%	0.16	190048	-0.29%	0.07	232747	22.11%	0.085	221163	16.03%	0.150
E3	45	183237	0.00%	13.98	187793	2.49%	0.16	222475	21.41%	0.088	220329	20.24%	0.160
F1	60	249335	0.00%	7.18	254977	2.26%	0.53	204355	-18.04%	0.182	194697	-21.91%	0.246
F3	60	221667	0.00%	0.15	215575	-2.75%	0.44	203243	-8.31%	0.184	206050	-7.05%	0.253
F4	60	204397	0.00%	3.42	203448	-0.46%	0.41	210782	3.12%	0.170	203166	-0.60%	0.249
G1	57	297707	0.00%	5.29	304106	2.15%	0.41	446864	50.10%	0.101	386646	29.87%	0.187
G2	57	234896	0.00%	0.32	235220	0.14%	0.17	370367	57.67%	0.108	330860	40.85%	0.193
G3	57	215324	0.00%	2.14	213757	-0.73%	0.22	322651	49.84%	0.094	310617	44.26%	0.178
G5	57	202733	0.00%	0.35	202610	-0.06%	0.33	286276	41.21%	0.104	272986	34.65%	0.169
G6	57	189166	0.00%	1.22	201875	6.72%	0.33	276748	46.30%	0.102	250397	32.37%	0.178
H1	68	236362	0.00%	15.64	235269	-0.46%	0.65	289287	22.39%	0.116	253455	7.23%	0.219
H2	68	214908	0.00%	3.12	215649	0.34%	0.18	245876	14.41%	0.108	225150	4.77%	0.188
H3	68	205726	0.00%	0.75	202971	-1.34%	0.12	253614	23.28%	0.112	219244	6.57%	0.184
H5 I1	68 90	203051 320703	0.00% 0.00%	0.84 1.55	201896 329237	- 0.57% 2.66%	0.24 1.06	231091 246240	13.81% -23.22%	0.119 0.283	209112 224927	2.98% -29.86 %	0.199 0.358
I2	90	274657	0.00%	32.49	289501	5.40%	1.76	240240	-23.22%	0.283	224927	-18.44%	0.338
I3	90	239292	0.00%	3.72	244782	2.29%	3.83	239384	0.04%	0.294	237696	-0.67%	0.355
J1	94	330501	0.00%	1.32	337800	2.21%	1.08	501321	51.69%	0.161	427929	29.48%	0.243
J2	94	294446	0.00%	1.48	298432	1.35%	1.32	439732	49.34%	0.171	421325	43.09%	0.242
Ј3	94	249931	0.00%	7.31	280070	12.06%	0.38	405059	62.07%	0.158	369063	47.67%	0.239
J4	94	275344	0.00%	1.66	257895	-6.34%	0.53	418896	52.14%	0.162	385786	40.11%	0.251
K1	113	352253	0.00%	10.33	361287	2.56%	1.4	464518	31.87%	0.187	441351	25.29%	0.272
K2	113	317004	0.00%	35.42	320012	0.95%	1.57	430995	35.96%	0.187	408675	28.92%	0.273
K4	113	295259	0.00%	10.48	296766	0.51%	0.66	433567	46.84%	0.187	402151	36.20%	0.263
L1	150	394414	0.00%	20.68	412278	4.53%	3.81	323665	-17.94%	0.532	334269	-15.25%	0.620
L2	150	365983	0.00%	13.33	362399	-0.98%	4.01	318419	-13.00%	0.575	317090	-13.36%	0.622
L4	150	341887	0.00%	77.27	341304	-0.17%	2.09	319162	-6.65%	0.528	313673	-8.25%	0.610
M1	125	360897	0.00%	17.63	372840	3.31%	2.41	605827	67.87%	0.238	525855	45.71%	0.310
M3	125	340362	0.00%	10.99	336011	-1.28%	2.71	559128	64.27%	0.226	475536	39.71%	0.324
M4	125	304680	0.00%	78.77	305118	0.14%	0.82	488195	60.23%	0.230	464369	52.41%	0.315
N1	150	375576	0.00%	17.32	385978	2.77%	2.60	612798	63.16%	0.292	513367	36.69%	0.373
N3	150	354526	0.00%	22.82	352992	-0.43%	2.82	575237	62.26%	0.287	515417	45.38%	0.377
N5	150	327174	0.00%	133.62	319811	-2.25%	3.11	550026	68.11%	0.281	475656	45.38%	0.374