

# AAFCO Check Sample Program

Methods Report

Sort by Method

Proficiency For Individual Methods

Sample # 201122

Senior Pig Starter, Medicated



# AAFCO

Association of American Feed Control Officials

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rds	Reproducibility %RSD	sR/sr	Average Range (R-bar)
000.01	1		0.45000													
001.00	11	9	9.9520	0.39983	9.9432	0.28169	0.06640	2.83%	0.37132	0.20969	0.42643	3.73%	2.11%	4.28%	2.0337	0.20323
001.03	14	13	10.278	0.10383	10.301	0.05227	0.01025	0.51%	0.10253	0.02324	0.10513	1.00%	0.23%	1.02%	4.5228	0.01868
001.05	1		10.295													
001.07	35	34	10.173	0.40735	10.174	0.23125	0.02804	2.27%	0.38309	0.19586	0.43025	3.77%	1.93%	4.23%	2.1967	0.16226
001.08	1		10.070													
001.99	16	14	10.181	0.33235	10.173	0.29835	0.05638	2.93%	0.32658	0.08722	0.33802	3.21%	0.86%	3.32%	3.8756	0.09286
002.00	7	7	21.908	0.61179	22.063	0.25082	0.06703	1.14%	0.60866	0.08738	0.61490	2.78%	0.40%	2.81%	7.0369	0.10429
002.01	9	8	21.964	0.18556	21.964	0.21043	0.05261	0.96%	0.17742	0.07687	0.19336	0.81%	0.35%	0.88%	2.5153	0.08925
002.02	5	5	21.649	0.78949	21.649	0.78949	0.24966	3.65%	0.73031	0.42414	0.84454	3.37%	1.96%	3.90%	1.9912	0.32664
002.03	1		19.150													
002.04	5	5	21.600	0.54260	21.600	0.54260	0.17158	2.51%	0.45887	0.40951	0.61503	2.12%	1.90%	2.85%	1.5019	0.31600
002.05	33	32	21.927	0.32899	21.941	0.27707	0.03463	1.26%	0.32121	0.10062	0.33660	1.46%	0.46%	1.54%	3.3453	0.10730
002.06	187	119	22.226	0.58726	22.255	0.28049	0.01818	1.26%	0.57888	0.13983	0.59553	2.60%	0.63%	2.68%	4.2590	0.14341
002.08	1		22.430													
002.10	5	5	22.084	0.29350	22.084	0.29350	0.09281	1.33%	0.26948	0.16445	0.31570	1.22%	0.74%	1.43%	1.9197	0.17028
002.11	13	13	22.168	1.1410	22.216	0.46421	0.09104	2.09%	1.1374	0.12869	1.1446	5.13%	0.58%	5.16%	8.8942	0.13846
002.99	2	2	20.530	1.4708												
003.00	22	22	4.8199	0.24804	4.8161	0.19014	0.02866	3.95%	0.24194	0.07731	0.25399	5.02%	1.60%	5.27%	3.2853	0.08127
003.01	1		5.1350													
003.06	18	17	4.8050	0.19948	4.7812	0.08954	0.01536	1.87%	0.19496	0.05973	0.20391	4.06%	1.24%	4.24%	3.4138	0.05706
003.09	23	22	4.7855	0.14211	4.7675	0.11842	0.01785	2.48%	0.12265	0.10151	0.15921	2.56%	2.12%	3.33%	1.5684	0.09125
003.10	34	32	4.6820	0.36854	4.7476	0.15309	0.01914	3.22%	0.36330	0.08757	0.37371	7.76%	1.87%	7.98%	4.2675	0.08948
003.11	13	12	4.9197	0.38402	4.9162	0.42800	0.08737	8.71%	0.38159	0.06093	0.38643	7.76%	1.24%	7.85%	6.3425	0.03775
003.12	14	13	4.6176	0.60687	4.7590	0.18082	0.03546	3.80%	0.60632	0.03625	0.60741	13.13%	0.79%	13.15%	16.756	0.03999
003.13	5	5	4.7932	0.18537	4.7932	0.18537	0.05862	3.87%	0.17796	0.07342	0.19251	3.71%	1.53%	4.02%	2.6221	0.09000
003.14	18	17	4.7934	0.33284	4.7932	0.20450	0.03507	4.27%	0.32114	0.12372	0.34414	6.70%	2.58%	7.18%	2.7817	0.11665

Method Code	Total # Labs Submitting	# Labs Included in Calculations	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U)	% RSD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)
003.99	6	6	5.0292	0.26483	4.9375	0.04037	0.01165	0.82%	0.26285	0.04573	0.26680	5.23%	0.91%	5.30%	5.8335	0.05500
004.00	25	25	2.6672	0.30498	2.6712	0.30638	0.04333	11.47%	0.29822	0.09027	0.31158	11.18%	3.38%	11.68%	3.4518	0.09040
004.01	2	2	3.1500	0.21213												
004.03	1		3.0500													
004.06	37	37	2.7977	0.59859	2.7369	0.43589	0.05067	15.93%	0.59463	0.09722	0.60252	21.25%	3.47%	21.54%	6.1977	0.09915
004.07	40	39	2.7176	0.41467	2.7033	0.40662	0.04604	15.04%	0.40777	0.10658	0.42146	15.00%	3.92%	15.51%	3.9546	0.10661
004.11	9	9	3.4465	0.89143	3.2809	0.66881	0.15764	20.38%	0.89082	0.04655	0.89203	25.85%	1.35%	25.88%	19.162	0.04926
004.99	3	3	2.1717	0.81287	2.1717	0.81287	0.33185	37.43%	0.79669	0.22822	0.82873	36.69%	10.51%	38.16%	3.6313	0.23000
005.00	165	106	5.3222	0.12761	5.3242	0.11162	0.00767	2.10%	0.12102	0.05721	0.13386	2.27%	1.07%	2.52%	2.3399	0.05638
005.01	1		5.1400													
005.02	1		5.3150													
005.05	24	23	5.4492	0.22272	5.4273	0.07625	0.01124	1.41%	0.22184	0.02792	0.22359	4.07%	0.51%	4.10%	8.0098	0.02942
005.11	7	6	5.4683	0.32672	5.5317	0.22644	0.06537	4.09%	0.32553	0.03937	0.32790	5.95%	0.72%	6.00%	8.3288	0.04667
005.99	10	10	5.6475	0.89909	5.3807	0.11234	0.02512	2.09%	0.89790	0.06531	0.90027	15.90%	1.16%	15.94%	13.785	0.06100
006.99	1		10.675													
008.02	10	10	3.8795	0.55704	3.8117	0.47073	0.10526	12.35%	0.54904	0.13310	0.56494	14.15%	3.43%	14.56%	4.2445	0.15100
008.05	1		4.1000													
008.08	25	24	3.9943	0.48043	3.9821	0.45275	0.06535	11.37%	0.46824	0.15205	0.49231	11.72%	3.81%	12.33%	3.2378	0.16125
008.99	1		3.4950													
009.04	1		9.8900													
009.07	8	8	8.6325	1.1045	8.6325	1.2525	0.31314	14.51%	1.0734	0.36841	1.1348	12.43%	4.27%	13.15%	3.0804	0.33250
009.09	19	19	9.0562	0.70723	8.9885	0.60163	0.09760	6.69%	0.67045	0.31833	0.74218	7.40%	3.52%	8.20%	2.3315	0.30509
009.99	3	3	10.402	2.9849	10.402	2.9849	1.2186	28.70%	2.9846	0.05730	2.9852	28.69%	0.55%	28.70%	52.097	0.07000
010.03	4	4	8.0343	0.85474	8.0343	0.85474	0.30220	10.64%	0.84664	0.16599	0.86276	10.54%	2.07%	10.74%	5.1978	0.22008
010.11	11	10	9.8983	0.61367	9.9499	0.56935	0.12731	5.72%	0.61201	0.06384	0.61533	6.18%	0.64%	6.22%	9.6388	0.07294
010.99	8	7	10.394	0.91362	10.195	0.38439	0.10273	3.77%	0.91159	0.08607	0.91564	8.77%	0.83%	8.81%	10.639	0.07600
011.01	132	68	10.931	0.34725	10.961	0.26331	0.02258	2.40%	0.33570	0.12562	0.35844	3.07%	1.15%	3.28%	2.8532	0.11672
011.02	1		10.840													
011.99	3	3	9.9317	0.96890	9.9317	0.96890	0.39555	9.76%	0.96793	0.06124	0.96986	9.75%	0.62%	9.77%	15.838	0.08333
012.00	6	6	32.985	10.172	36.546	0.98934	0.28560	2.71%	10.169	0.32055	10.174	30.83%	0.97%	30.84%	31.740	0.32333
012.01	1		35.525													
012.02	1		33.400													
012.03	2	2	34.873	0.31466												
012.04	4	4	35.724	3.2534	35.724	3.2534	1.1502	9.11%	3.2502	0.20375	3.2565	9.10%	0.57%	9.12%	15.983	0.27250
012.11	5	5	34.651	0.33088	34.651	0.33088	0.10463	0.95%	0.32731	0.06848	0.33440	0.94%	0.20%	0.97%	4.8830	0.07800
013.00	12	12	5.8824	0.44343	5.8852	0.49762	0.10158	8.46%	0.44145	0.05910	0.44539	7.50%	1.00%	7.57%	7.5364	0.06100
013.02	84	26	5.9298	0.21276	5.9400	0.21472	0.02978	3.61%	0.19072	0.13338	0.23273	3.22%	2.25%	3.92%	1.7449	0.13387
013.03	1		3.7200													

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013.10	11	10	5.5438	0.29124	5.5364	0.31410	0.07024	5.67%	0.28380	0.09251	0.29850	5.12%	1.67%	5.38%	3.2268	0.10070
013.11	3	3	4.9500	0.85978	4.9500	0.85978	0.35100	17.37%	0.81070	0.40493	0.90621	16.38%	8.18%	18.31%	2.2379	0.45333
013.13	1		7.1650													
015.41	4	4	82.816	9.7668	82.816	9.7668	3.4531	11.79%	9.3501	3.9912	10.166	11.29%	4.82%	12.28%	2.5472	4.3445
015.42	2	2	68.028	20.396												
015.43	2	2	86.310	52.595												
015.52	1		87.146													
017.41	2	2	12.855	0.41719												
017.42	3	3	11.650	0.60828	11.650	0.60828	0.24833	5.22%	0.47078	0.54473	0.71998	4.04%	4.68%	6.18%	1.3217	0.54000
017.43	2	2	11.660	0.84853												
018.41	1		0.04175													
018.52	1		0.04485													
019.00	23	22	0.82820	0.07040	0.81625	0.05020	0.00757	6.15%	0.06569	0.03581	0.07482	7.93%	4.32%	9.03%	2.0895	0.02604
019.03	4	4	0.79588	0.04451	0.79588	0.04451	0.01574	5.59%	0.03961	0.02873	0.04893	4.98%	3.61%	6.15%	1.7031	0.02545
019.08	8	7	0.91214	0.18133	0.84692	0.04978	0.01330	5.88%	0.18109	0.01336	0.18158	19.85%	1.47%	19.91%	13.588	0.01571
019.31	26	26	0.81686	0.04345	0.80847	0.02777	0.00385	3.43%	0.04191	0.01622	0.04494	5.13%	1.99%	5.50%	2.7714	0.01650
019.32	8	8	0.77738	0.07318	0.80325	0.02377	0.00594	2.96%	0.07267	0.01223	0.07369	9.35%	1.57%	9.48%	6.0267	0.01443
019.33	3	3	0.80040	0.02060	0.80040	0.02060	0.00841	2.57%	0.01596	0.01843	0.02438	1.99%	2.30%	3.05%	1.3227	0.02207
019.41	37	36	0.79380	0.02871	0.79213	0.02755	0.00325	3.48%	0.02642	0.01590	0.03083	3.33%	2.00%	3.88%	1.9393	0.01606
019.42	23	23	0.81993	0.07683	0.81352	0.03559	0.00525	4.37%	0.07511	0.02287	0.07851	9.16%	2.79%	9.58%	3.4329	0.02312
019.43	12	12	0.81878	0.04657	0.81773	0.01672	0.00341	2.04%	0.04505	0.01665	0.04803	5.50%	2.03%	5.87%	2.8852	0.01503
019.44	1		0.85000													
019.52	1		0.70220													
019.53	2	2	0.80150	0.02121												
019.99	4	4	0.76625	0.03198	0.76625	0.03198	0.01131	4.17%	0.02944	0.01768	0.03434	3.84%	2.31%	4.48%	1.9425	0.02250
020.31	1		2.4000													
020.32	1		0.64970													
020.41	2	2	1.5394	0.08574												
020.42	2	2	1.1080	0.28567												
020.43	1		1.6750													
020.52	1		1.6978													
020.99	1		1.5350													
021.32	1		2.7986													
021.41	3	3	0.62508	0.11100	0.62508	0.11100	0.04532	17.76%	0.10598	0.04669	0.11581	16.95%	7.47%	18.53%	2.4803	0.05417
021.42	1		0.42000													
021.43	2	2	34.400	47.800												
021.52	1		0.43645													
022.31	15	13	139.16	5.7679	138.86	5.7084	1.1195	4.11%	5.6259	1.7987	5.9064	4.04%	1.29%	4.24%	3.2836	1.4919

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022.32	4	4	146.40	3.6153	146.40	3.6153	1.2782	2.47%	2.9733	2.9087	4.1594	2.03%	1.99%	2.84%	1.4300	2.7375
022.33	1		145.50													
022.41	26	25	134.91	10.108	135.10	6.6666	0.94281	4.93%	10.051	1.5154	10.165	7.45%	1.12%	7.53%	6.7078	1.8159
022.42	24	23	140.34	8.0132	140.76	6.4015	0.94385	4.55%	7.7155	3.0602	8.3002	5.50%	2.18%	5.91%	2.7123	2.9248
022.43	11	11	142.04	13.431	141.31	10.912	2.3265	7.72%	13.233	3.2498	13.627	9.32%	2.29%	9.59%	4.1930	3.7264
022.44	1		148.10													
022.52	1		120.54													
022.53	2	2	182.55	50.275												
022.99	1		250.50													
025.01	1		247.50													
025.31	14	14	271.89	22.295	271.60	23.089	4.3634	8.50%	22.000	5.1180	22.587	8.09%	1.88%	8.31%	4.4133	5.3793
025.32	3	3	271.61	37.635	271.61	37.635	15.365	13.86%	28.756	34.337	44.788	10.59%	12.64%	16.49%	1.3044	28.513
025.33	1		307.00													
025.41	27	26	271.82	22.544	273.36	20.186	2.7993	7.38%	20.878	12.027	24.094	7.68%	4.42%	8.86%	2.0033	11.459
025.42	21	20	257.12	22.211	256.90	23.384	3.6974	9.10%	17.941	18.516	25.783	6.98%	7.20%	10.03%	1.3924	14.930
025.43	11	10	276.69	26.622	274.77	26.325	5.8865	9.58%	25.576	10.451	27.629	9.24%	3.78%	9.99%	2.6437	10.126
025.52	1		220.53													
025.99	1		329.50													
026.52	1		0.13150													
027.31	15	15	0.18163	0.01427	0.18077	0.00932	0.00170	5.15%	0.01399	0.00396	0.01454	7.70%	2.18%	8.00%	3.6706	0.00356
027.32	5	5	0.18579	0.02865	0.18579	0.02865	0.00906	15.42%	0.02820	0.00716	0.02909	15.18%	3.85%	15.66%	4.0637	0.00682
027.33	1		0.18030													
027.41	24	24	0.18198	0.01522	0.17934	0.00910	0.00131	5.08%	0.01499	0.00373	0.01545	8.24%	2.05%	8.49%	4.1386	0.00338
027.42	22	22	0.17599	0.01135	0.17483	0.00719	0.00108	4.11%	0.01059	0.00578	0.01206	6.02%	3.28%	6.85%	2.0880	0.00598
027.43	9	9	0.17882	0.00835	0.17882	0.00947	0.00223	5.30%	0.00805	0.00314	0.00864	4.50%	1.76%	4.83%	2.7483	0.00289
027.44	1		0.19000													
027.52	1		0.15485													
027.53	1		0.18050													
027.99	1		0.24000													
028.31	14	13	70.200	6.4519	70.619	6.2387	1.2235	8.83%	6.4240	0.84751	6.4797	9.15%	1.21%	9.23%	7.6455	0.88077
028.32	5	5	121.91	105.98	121.91	105.98	33.514	86.93%	105.97	1.8525	105.99	86.93%	1.52%	86.94%	57.212	2.2160
028.33	1		71.500													
028.41	26	26	71.641	6.6126	71.359	4.3963	0.60966	6.16%	6.4920	1.7781	6.7311	9.06%	2.48%	9.40%	3.7856	1.7504
028.42	21	21	73.572	7.3477	72.912	5.0945	0.78609	6.99%	6.8851	3.6289	7.7829	9.36%	4.93%	10.58%	2.1447	3.7943
028.43	11	11	73.090	9.4946	74.136	7.8850	1.6811	10.64%	9.3038	2.6786	9.6817	12.73%	3.66%	13.25%	3.6145	3.1659
028.44	1		74.150													
028.52	1		82.598													
028.53	1		67.100													

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029.99	1		0.08400													
031.00	2	2	0.73400	0.04384												
031.01	53	52	0.60233	0.02819	0.60005	0.02091	0.00205	3.49%	0.02761	0.00810	0.02877	4.58%	1.35%	4.78%	3.5500	0.00840
031.02	4	4	0.60659	0.00983	0.60659	0.00983	0.00347	1.62%	0.00765	0.00873	0.01161	1.26%	1.44%	1.91%	1.3295	0.01078
031.03	7	7	0.58814	0.02428	0.59282	0.01671	0.00447	2.82%	0.02179	0.01514	0.02653	3.70%	2.57%	4.51%	1.7526	0.01724
031.06	1		0.60500													
031.41	32	32	0.60707	0.03352	0.60404	0.02152	0.00269	3.56%	0.03244	0.01193	0.03456	5.34%	1.97%	5.69%	2.8973	0.01179
031.42	25	24	0.60953	0.04619	0.60509	0.02584	0.00373	4.27%	0.04544	0.01173	0.04693	7.46%	1.92%	7.70%	4.0009	0.01095
031.43	12	12	0.61001	0.02627	0.60674	0.02217	0.00453	3.65%	0.02268	0.01873	0.02942	3.72%	3.07%	4.82%	1.5705	0.02157
031.44	2	2	0.60500	0.07071												
031.52	1		0.54545													
031.53	2	2	0.61070	0.02234												
031.99	6	5	0.58500	0.02915	0.58500	0.02915	0.00922	4.98%	0.02872	0.00707	0.02958	4.91%	1.21%	5.06%	4.1833	0.01000
032.02	4	4	1.0180	0.03110	1.0180	0.03110	0.01100	3.05%	0.02801	0.01912	0.03391	2.75%	1.88%	3.33%	1.7732	0.02100
032.31	13	13	0.98184	0.06699	0.98542	0.02557	0.00502	2.60%	0.06651	0.01126	0.06746	6.77%	1.15%	6.87%	5.9922	0.01302
032.32	3	3	0.94833	0.13733	0.94833	0.13733	0.05606	14.48%	0.13717	0.00913	0.13748	14.46%	0.96%	14.50%	15.060	0.01000
032.41	24	24	0.95678	0.09942	0.97694	0.03869	0.00558	3.96%	0.09879	0.01577	0.10004	10.33%	1.65%	10.46%	6.3426	0.01705
032.42	23	22	0.99606	0.06162	0.99506	0.03285	0.00495	3.30%	0.05934	0.02348	0.06382	5.96%	2.36%	6.41%	2.7185	0.02617
032.43	9	9	0.99103	0.06131	0.99734	0.02135	0.00503	2.14%	0.05929	0.02209	0.06327	5.98%	2.23%	6.38%	2.8640	0.02474
032.44	1		1.0165													
032.52	1		0.96610													
032.53	1		1.0700													
032.99	1		1.1400													
033.00	36	35	0.69424	0.09844	0.67935	0.06050	0.00723	8.91%	0.09722	0.02187	0.09965	14.00%	3.15%	14.35%	4.5574	0.01855
033.01	35	34	0.74312	0.02836	0.73776	0.01986	0.00241	2.69%	0.02778	0.00806	0.02893	3.74%	1.08%	3.89%	3.5889	0.00787
033.03	9	9	0.68944	0.05817	0.68889	0.04902	0.01155	7.12%	0.04215	0.05669	0.07065	6.11%	8.22%	10.25%	1.2461	0.06267
033.05	1		0.80000													
033.99	9	9	0.68289	0.22046	0.63911	0.11499	0.02710	17.99%	0.22023	0.01402	0.22068	32.25%	2.05%	32.32%	15.741	0.01667
034.01	1		0.52500													
034.04	6	6	0.47783	0.07557	0.46280	0.05218	0.01506	11.27%	0.07270	0.02916	0.07833	15.21%	6.10%	16.39%	2.6861	0.03033
034.05	1		0.52100													
034.33	1		0.40700													
034.34	1		0.12800													
034.41	1		0.58000													
034.42	3	3	1.6917	0.84579	1.6917	0.84579	0.34529	50.00%	0.60334	0.83826	1.0328	35.67%	49.55%	61.05%	1.2321	0.73667
034.52	1		0.30600													
034.99	2	2	0.46160	0.00226												
035.01	4	4	0.27150	0.00507	0.27150	0.00507	0.00179	1.87%	0.00408	0.00424	0.00589	1.50%	1.56%	2.17%	1.3878	0.00500

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035.05	7	7	0.25999	0.01009	0.26106	0.00957	0.00256	3.67%	0.00827	0.00818	0.01163	3.18%	3.15%	4.47%	1.4226	0.00857
035.31	17	17	0.26269	0.02632	0.26456	0.02045	0.00351	7.73%	0.02594	0.00633	0.02670	9.87%	2.41%	10.16%	4.2163	0.00608
035.32	5	5	0.25545	0.03526	0.25545	0.03526	0.01115	13.80%	0.03516	0.00375	0.03536	13.76%	1.47%	13.84%	9.4183	0.00330
035.33	1		0.26500													
035.41	30	30	0.25800	0.01727	0.25929	0.01539	0.00199	5.94%	0.01663	0.00655	0.01788	6.45%	2.54%	6.93%	2.7277	0.00618
035.42	22	22	0.24537	0.05695	0.25531	0.01928	0.00291	7.55%	0.05657	0.00924	0.05732	23.06%	3.76%	23.36%	6.2055	0.00890
035.43	10	10	0.26708	0.01626	0.26620	0.01461	0.00327	5.49%	0.01530	0.00779	0.01717	5.73%	2.92%	6.43%	2.2042	0.00936
035.52	1		0.24910													
035.53	2	2	0.25830	0.01937												
036.04	2	2	0.28000	0.02828												
036.42	15	15	0.25958	0.01613	0.26257	0.01211	0.00221	4.61%	0.01535	0.00700	0.01687	5.91%	2.70%	6.50%	2.4108	0.00742
036.43	7	7	0.27349	0.04267	0.26390	0.02316	0.00619	8.78%	0.04233	0.00760	0.04301	15.48%	2.78%	15.73%	5.6613	0.00889
036.99	2	2	0.24700	0.07495												
037.31	17	17	446.56	30.582	448.93	22.361	3.8349	4.98%	30.230	6.5439	30.930	6.77%	1.47%	6.93%	4.7265	7.1821
037.32	7	7	474.95	16.845	474.95	19.102	5.1052	4.02%	15.897	7.8770	17.742	3.35%	1.66%	3.74%	2.2523	8.9420
037.33	3	3	457.19	28.004	457.19	28.004	11.433	6.13%	23.263	22.049	32.052	5.09%	4.82%	7.01%	1.4537	22.197
037.41	31	30	447.58	26.743	448.90	15.500	2.0010	3.45%	25.748	10.219	27.702	5.75%	2.28%	6.19%	2.7108	9.4813
037.42	23	21	449.70	26.882	451.20	26.541	4.0953	5.88%	26.231	8.3119	27.517	5.83%	1.85%	6.12%	3.3105	8.5019
037.43	13	13	469.12	51.232	466.66	35.193	6.9020	7.54%	50.308	13.704	52.141	10.72%	2.92%	11.11%	3.8049	16.154
037.44	1		490.60													
037.52	1		365.38													
037.53	2	2	463.75	27.931												
037.99	2	2	422.63	38.361												
038.41	2	2	2.6728	0.02652												
038.42	4	4	2.4631	0.20379	2.4631	0.20379	0.07205	8.27%	0.19077	0.10138	0.21603	7.74%	4.12%	8.77%	2.1309	0.12475
038.43	3	3	2.5817	0.61115	2.5817	0.61115	0.24950	23.67%	0.60822	0.08456	0.61407	23.56%	3.28%	23.79%	7.2622	0.09000
038.52	1		2.7165													
039.42	2	2	1.7233	0.10359												
039.52	1		1.8120													
040.42	1		2.4500													
040.43	1		2.8120													
050.01	9	9	0.00536	0.00057	0.00526	0.00039	0.00009	7.48%	0.00053	0.00029	0.00060	9.82%	5.44%	11.23%	2.0647	0.00028
101.99	1		844.44													
104.00	3	3	6.4115	0.27218	6.4115	0.27218	0.11111	4.25%	0.06324	0.37438	0.37968	0.99%	5.84%	5.92%	1.0142	0.37180
104.03	1		2.3500													
105.00	2	2	1.5150	0.02121												
105.01	2	2	2.7908	0.47970												
106.00	1		6.6000													

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106.02	9	8	6.4636	1.5156	6.2233	1.2642	0.31605	20.31%	1.5017	0.28938	1.5294	23.23%	4.48%	23.66%	5.2851	0.32326
107.00	2	2	17.132	2.0768												
108.02	1		2.3850													
109.02	7	7	151.18	26.178	154.31	18.762	5.0142	12.16%	25.634	7.5065	26.711	16.96%	4.97%	17.67%	3.5584	7.6329
112.00	1		2.0000													
113.01	2	2	2.9825	0.14496												
114.01	2	2	0.31500	0.00000												
120.00	12	11	1.1307	0.09110	1.1103	0.04134	0.00881	3.72%	0.09071	0.01186	0.09148	8.02%	1.05%	8.09%	7.7141	0.01147
120.02	2	2	1.1105	0.02613												
120.05	2	2	1.0748	0.08521												
120.99	1		1.1600													
121.00	12	11	1.4348	0.07323	1.4331	0.05887	0.01255	4.11%	0.07233	0.01618	0.07412	5.04%	1.13%	5.17%	4.5807	0.01600
121.02	1		1.4402													
121.05	2	2	1.5500	0.00000												
121.99	1		1.3900													
122.00	11	10	2.0756	0.19518	2.1163	0.10044	0.02246	4.75%	0.19469	0.01945	0.19566	9.38%	0.94%	9.43%	10.057	0.01681
122.02	2	2	2.2083	0.08379												
122.05	2	2	2.0755	0.02758												
122.99	1		2.2150													
124.00	12	11	0.33074	0.02004	0.33270	0.01720	0.00367	5.17%	0.01972	0.00504	0.02035	5.96%	1.52%	6.15%	4.0367	0.00561
124.02	3	3	0.33095	0.02252	0.33095	0.02252	0.00919	6.80%	0.02144	0.00974	0.02355	6.48%	2.94%	7.12%	2.4179	0.01210
124.05	1		0.35000													
125.00	12	11	3.6480	0.32632	3.7185	0.14883	0.03173	4.00%	0.32558	0.03098	0.32705	8.92%	0.85%	8.97%	10.557	0.03099
125.02	2	2	3.7144	0.09458												
125.05	2	2	3.6588	0.10783												
125.99	1		4.0250													
126.00	12	12	1.0675	0.04440	1.0668	0.04879	0.00996	4.57%	0.03905	0.02988	0.04917	3.66%	2.80%	4.61%	1.6455	0.02881
126.02	2	2	1.1176	0.01471												
126.05	2	2	1.0905	0.00071												
126.99	1		1.0550													
127.00	12	11	0.56614	0.02306	0.56774	0.02300	0.00490	4.05%	0.02087	0.01387	0.02506	3.69%	2.45%	4.43%	1.8065	0.01027
127.02	1		0.54850													
127.05	2	2	0.55925	0.03571												
127.99	1		0.57500													
128.00	12	11	0.85328	0.04302	0.85718	0.04122	0.00879	4.81%	0.04242	0.01017	0.04362	4.97%	1.19%	5.11%	4.2909	0.00983
128.02	2	2	0.94218	0.05774												
128.05	2	2	0.83575	0.04561												
128.99	1		0.87000													

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129.00	12	11	1.7511	0.04417	1.7511	0.05009	0.01068	2.86%	0.03908	0.02912	0.04873	2.23%	1.66%	2.78%	1.6734	0.02897
129.02	2	2	1.8078	0.04766												
129.05	2	2	1.7508	0.04137												
129.99	1		1.8500													
130.00	14	13	1.3337	0.05332	1.3422	0.04289	0.00841	3.20%	0.05082	0.02286	0.05572	3.81%	1.71%	4.18%	2.4376	0.02123
130.01	1		1.2700													
130.02	1		1.3703													
130.05	4	4	1.3145	0.10126	1.3145	0.10126	0.03580	7.70%	0.09661	0.04292	0.10571	7.35%	3.27%	8.04%	2.4631	0.04400
130.99	2	2	1.1800	0.46669												
131.00	12	12	0.42860	0.03361	0.42103	0.02334	0.00476	5.54%	0.03299	0.00910	0.03422	7.70%	2.12%	7.98%	3.7617	0.00816
131.02	3	3	0.41900	0.02468	0.41900	0.02468	0.01008	5.89%	0.02433	0.00591	0.02503	5.81%	1.41%	5.97%	4.2333	0.00827
131.05	2	2	0.44475	0.04914												
131.99	1		0.33000													
132.00	12	12	1.0252	0.05000	1.0239	0.04842	0.00988	4.73%	0.04716	0.02348	0.05269	4.60%	2.29%	5.14%	2.2438	0.02348
132.02	1		1.0708													
132.05	2	2	1.0673	0.03147												
132.99	1		1.0900													
133.00	12	12	1.3038	0.07519	1.3145	0.06449	0.01316	4.91%	0.06539	0.05247	0.08384	5.02%	4.02%	6.43%	1.5979	0.04735
133.05	2	2	1.3045	0.04313												
133.99	1		1.2850													
134.00	12	12	0.99187	0.08678	1.0132	0.04785	0.00977	4.72%	0.08272	0.03710	0.09066	8.34%	3.74%	9.14%	2.4434	0.03231
134.02	2	2	0.99875	0.06116												
134.05	2	2	1.0910	0.06930												
134.99	1		1.0500													
135.00	12	11	0.88300	0.02457	0.88951	0.01085	0.00231	1.22%	0.02167	0.01638	0.02716	2.45%	1.85%	3.08%	1.6588	0.01455
135.02	2	2	0.90825	0.03712												
135.05	3	3	0.92350	0.02871	0.92350	0.02871	0.01172	3.11%	0.02464	0.02084	0.03227	2.67%	2.26%	3.49%	1.5487	0.02367
135.99	1		0.77000													
136.00	2	2	0.27613	0.03341												
136.01	4	4	0.23550	0.02444	0.23550	0.02444	0.00864	10.38%	0.02391	0.00716	0.02496	10.15%	3.04%	10.60%	3.4860	0.00600
136.99	3	3	0.25683	0.01533	0.25683	0.01533	0.00626	5.97%	0.01500	0.00449	0.01566	5.84%	1.75%	6.10%	3.4867	0.00367
137.00	8	8	0.69849	0.04298	0.68958	0.02581	0.00645	3.74%	0.03962	0.02356	0.04610	5.67%	3.37%	6.60%	1.9568	0.02259
137.02	1		0.67940													
137.05	1		0.80750													
137.99	1		0.57000													
138.00	12	11	1.0042	0.07016	0.99791	0.04804	0.01024	4.81%	0.06957	0.01286	0.07075	6.93%	1.28%	7.04%	5.5021	0.01267
138.02	2	2	1.0943	0.08941												
138.05	2	2	1.0055	0.09405												



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138.99	1		1.0000													
139.00	1		0.06000													
150.00	3	3	1,067.8	327.31	1,067.8	327.31	133.62	30.65%	327.22	10.669	327.39	30.64%	1.00%	30.66%	30.686	11.667
150.99	3	3	699.34	621.36	699.34	621.36	253.67	88.85%	620.37	49.626	622.35	88.71%	7.10%	88.99%	12.541	55.187