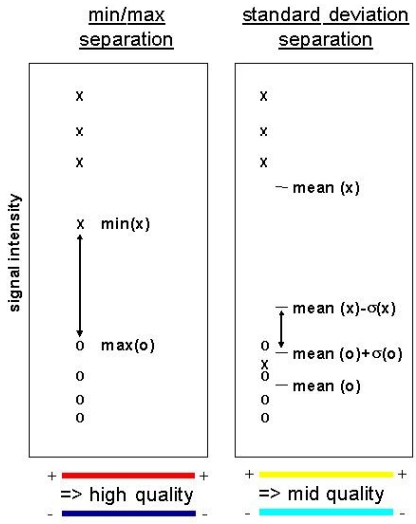
Colour-coded list

The lists comprise factors of relative changes with respect to the control condition and the median value of normalised signal intensities. Significance levels were assessed by two reproducibility criteria as described by Fellenberg et al.[1]. The highly stringent `min-max separation' is calculated by taking the minimum distance between all data points of one condition and all data points of the control condition. The less stringent criteria, called `standard deviation separation', is defined as the difference of the means of the two data sets diminished by one standard deviation. In the tables, a colour-code indicates the two stringency measures. According to these criteria, data were classified as being of high or medium significance:



Upregulations are marked by warm (red and yellow), downregulations by cold colors (blue and light blue); high reproducibility is shown by dark (red and blue), medium reproducibility by light colors (yellow and light blue). If none of the two criteria is fulfilled the signal should by regarded as not reliable - even if a high ratio is displayed - and is tagged white in the colour coded list.

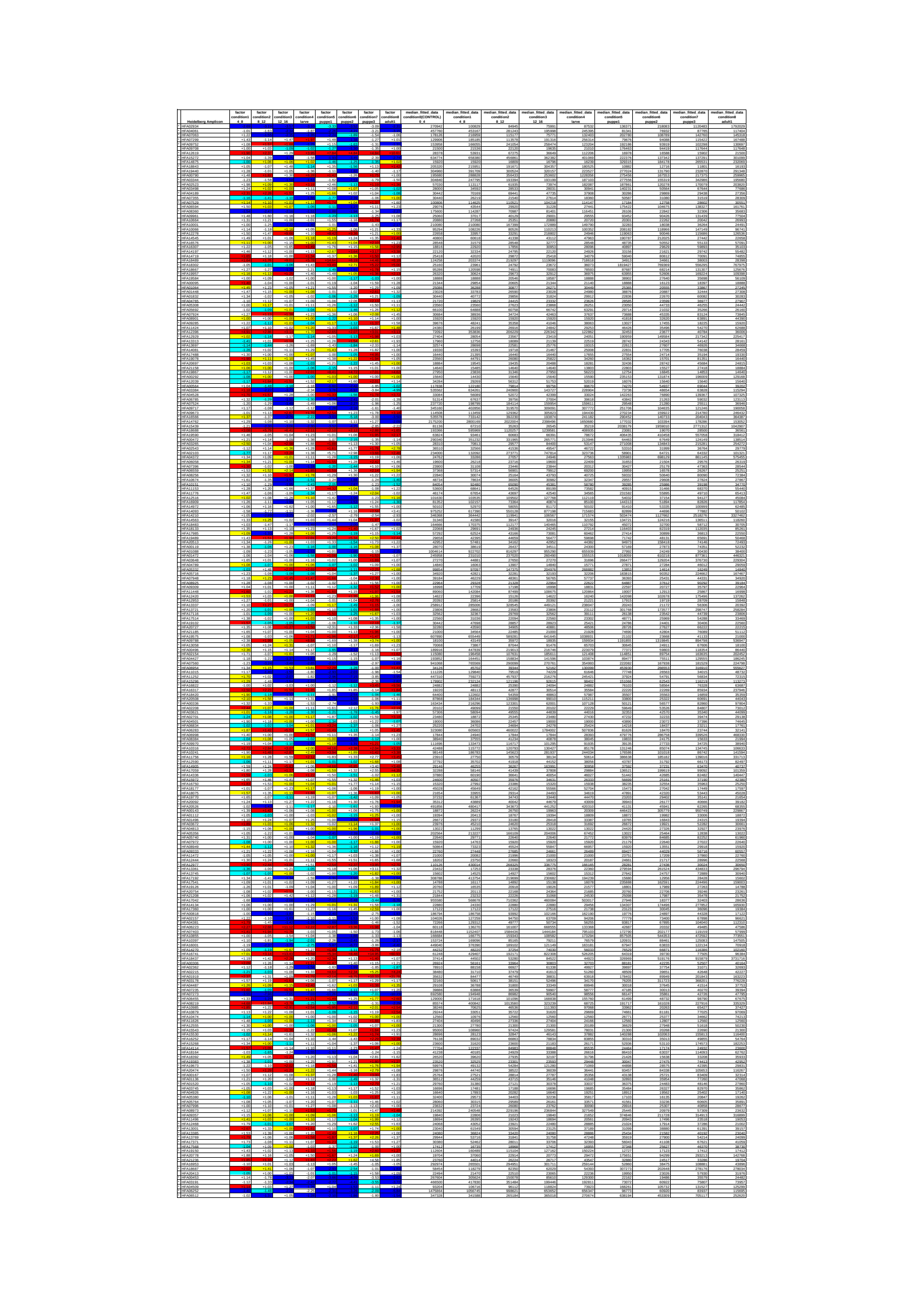
References

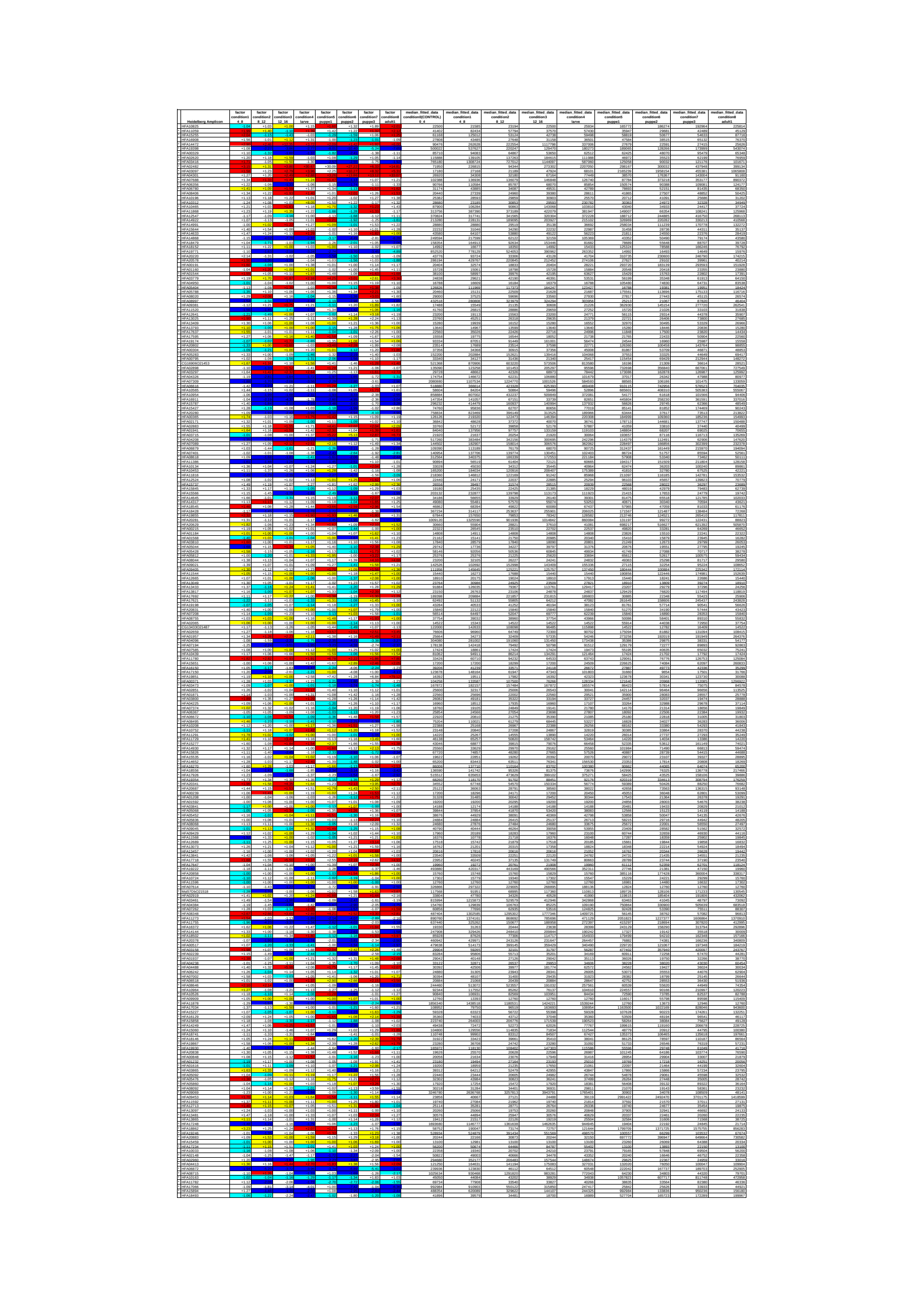
1. Fellenberg,K., Hauser,N.C., Brors,B., Hoheisel,J.D. & Vingron,M. Microarray data warehouse allowing for inclusion of experiment annotations in statistical analysis. *Bioinformatics.* **18**, 423-433 (2002).

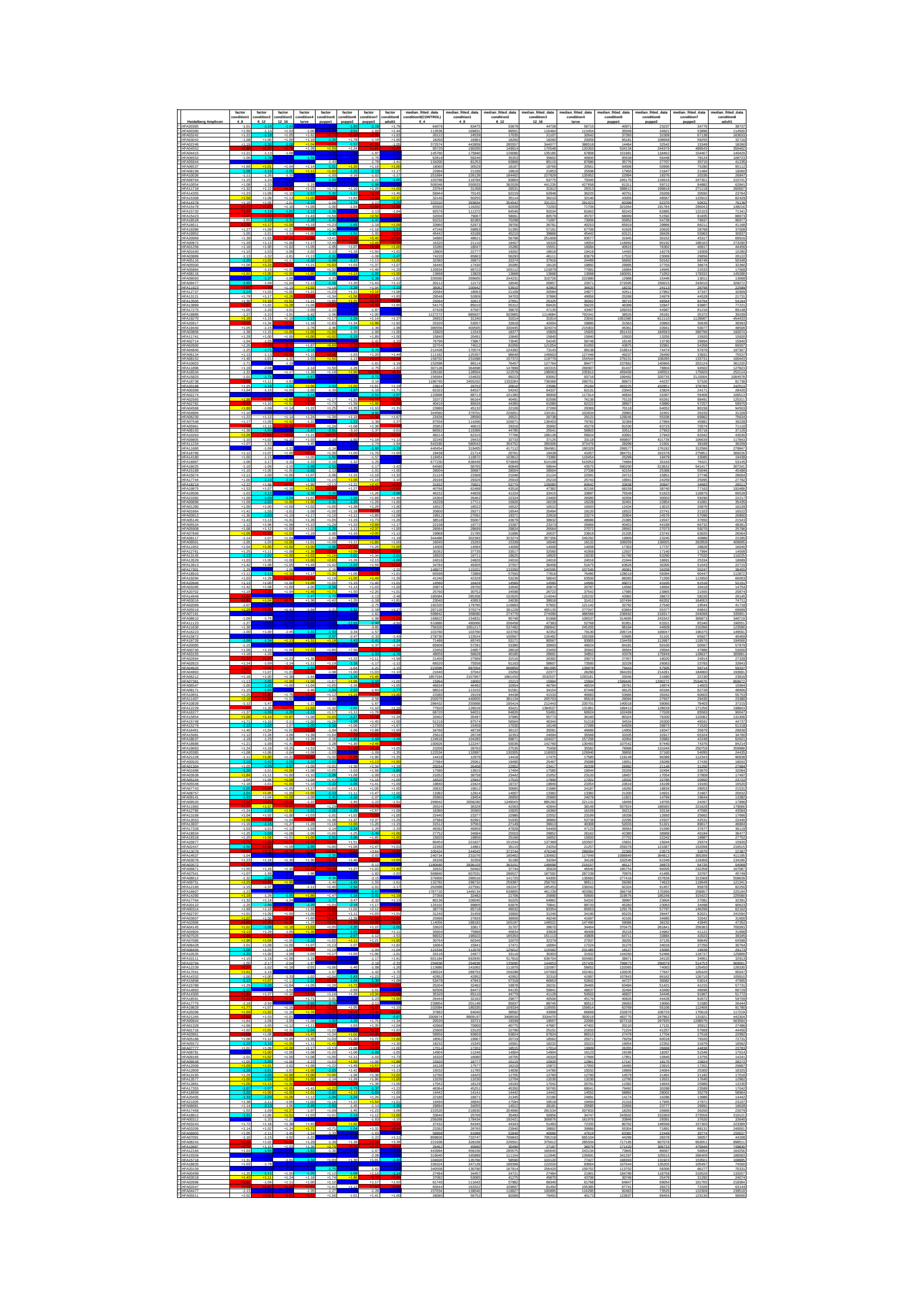
Correspondence analysis result

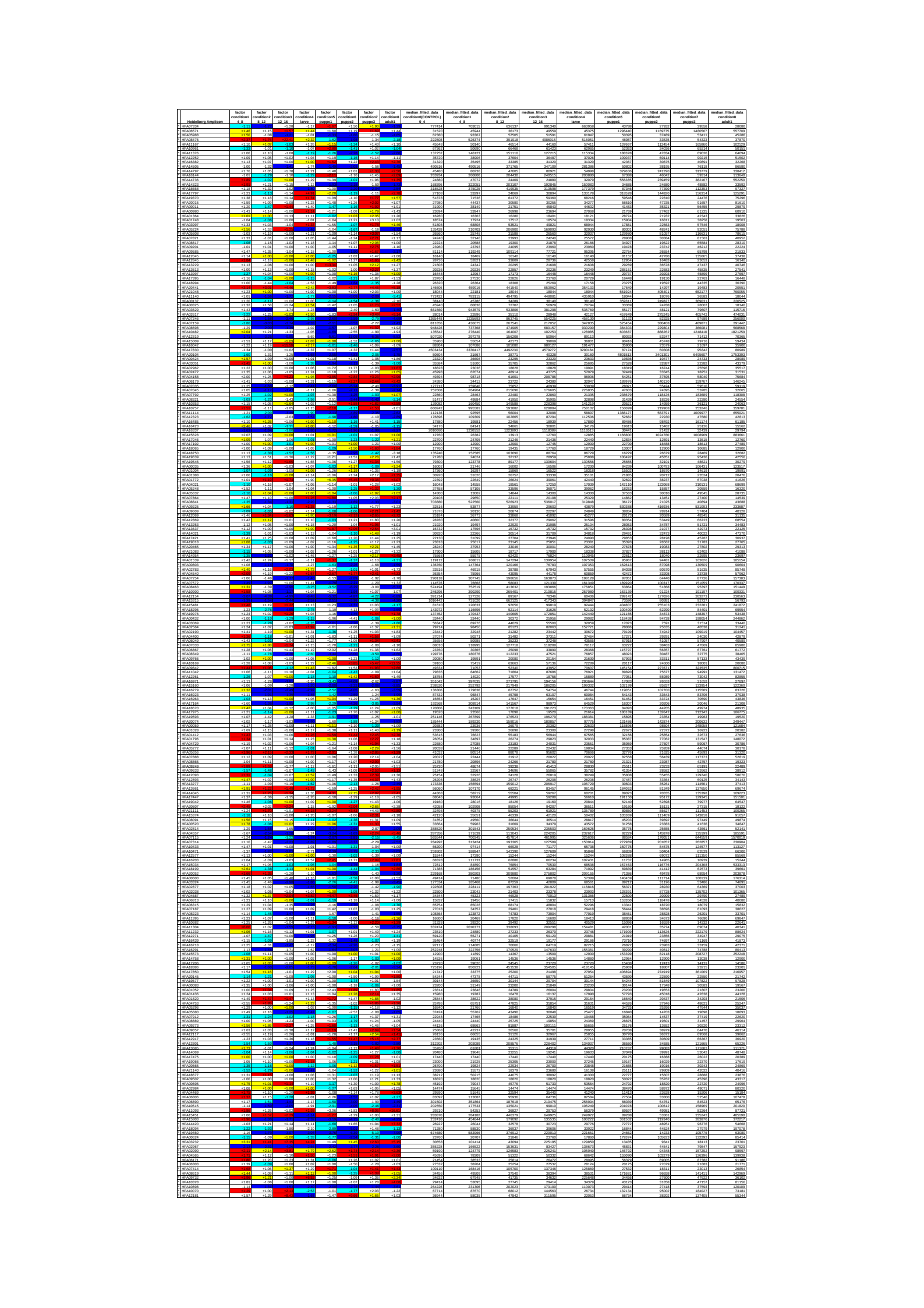
amplicons marked by * are included in the analysis
normalization method [parameters]: log. reg.
Note: ratios are NOT log2. Instead the ratio X is displayed as +X for upregulation and -(1/x) for downregulation

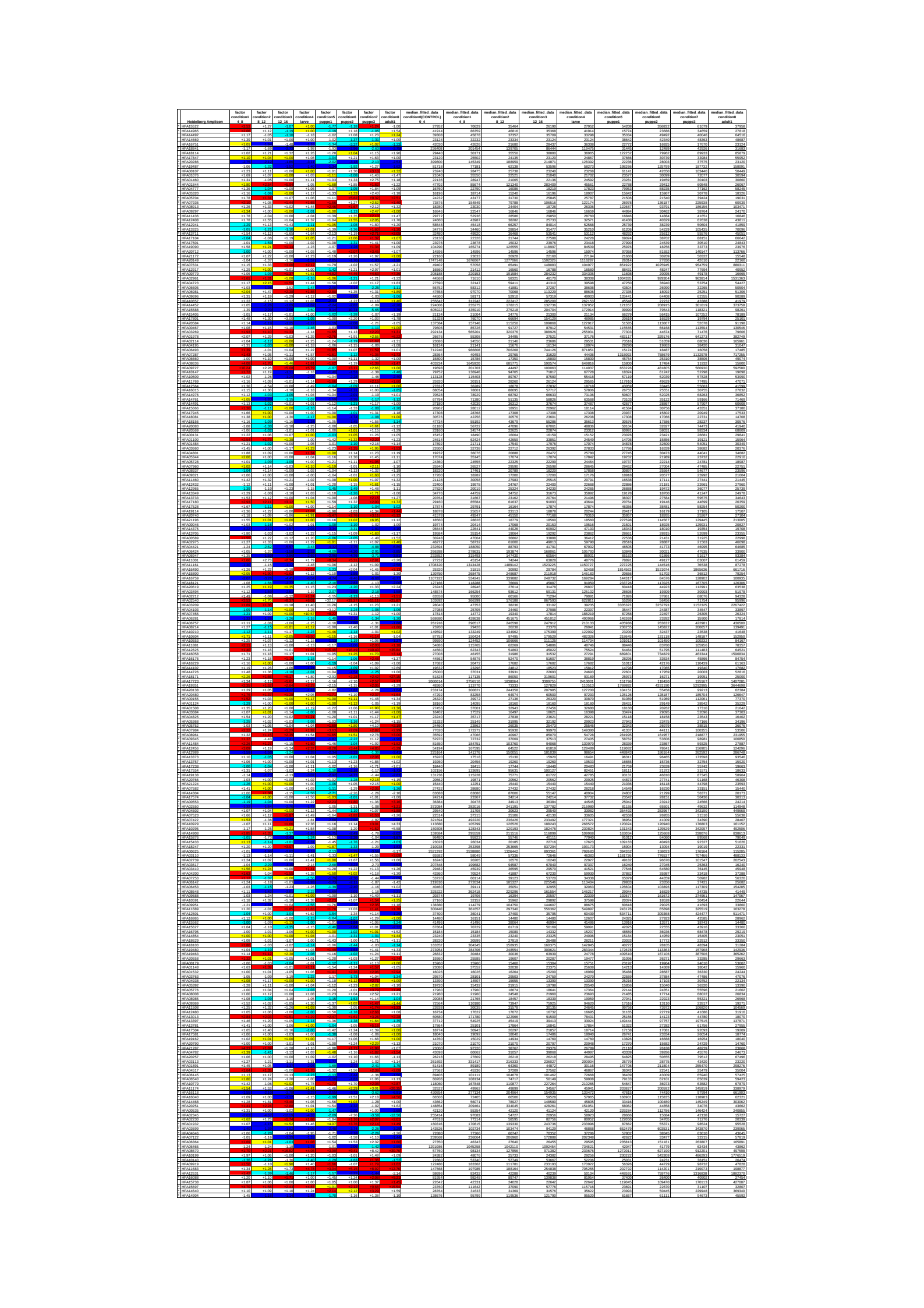
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA00825	+1.28	-1.46	-1.10	-1.96	-3.02	-4.44	-4.22	-4.97	995740	1271180	684325	908675	508760	328111	224090	235867	200474
*	HFA02197	+2.28	+1.05	+1.96	+1.78	+1.30	+1.05	-1.22	+4.76	32938	75212	34647	64713	58692	42930	34511	27057	156630
*	HFA02711	+1.85	-1.04	-1.72	-1.47	-1.94	-2.44	-1.68	-1.70	77198	142906	73996	44948	52459	39792	31638	45951	45410
*	HFA07496	+1.02	-3.04	-5.99	-2.13	-2.53	-9.10	-6.77	-9.47	832326	848158	273684	138981	391677	39855	31653	45883	45408
	HFA07023	+1.10	-2.55	-1.73	-2.00	-2.23	-2.64	-2.66	-1.53	43036	47397	16904	24810	21501	329094	91454	122927	87930
	HFA08549	+1.15	-1.09	+1.04	+1.10	+2.06	+1.13	-1.29	+1.21	15880	18213	14536	16515	17391	19297	16330	16191	28086
*	HFA09703	-1.05	-1.13	-1.14	+1.16	-1.50	-2.06	-1.38	+1.08	46308	44094	41105	40593	53878	32759	18001	12292	19238
*	HFA12241	+1.19	+1.35	+2.19	+1.27	+1.86	+1.89	+2.04	+2.02	36234	43164	48775	79480	45963	30912	22258	33630	49855
*	HFA15591	+1.30	+1.79	+1.08	+1.16	-2.21	-1.07	-1.24	+1.00	33914	44252	60597	36651	39199	67309	68519	74015	73218
*	HFA14245	+1.31	+1.11	-1.06	-1.03	-1.44	-1.92	-1.45	-1.23	84708	110857	94201	80124	82634	15356	31625	27389	33914
*	HFA18570	-1.39	-2.76	-3.46	-3.28	-3.08	-5.30	-4.18	-3.42	273506	197372	99218	79024	83378	58703	44161	58332	69016
*	HFA19903	-1.20	-1.78	-3.37	-1.60	-1.73	-2.97	-2.28	-2.95	330546	276026	185332	98011	206794	88686	51564	65405	80078
	HFA00833	+1.32	+1.20	+1.51	+1.04	-1.02	-1.19	-1.23	-1.01	60952	80566	73042	92270	63607	190743	111364	144798	112037
*	HFA03003	+1.20	+1.08	+1.17	+1.00	+1.67	-1.46	+1.14	+1.42	45634	54829	49109	53509	45702	59490	51353	49731	60353
*	HFA02417	+1.26	-1.09	-1.84	-1.01	-1.75	-1.55	+1.01	+1.41	62468	78957	57146	33999	62074	76032	31302	51981	64973
*	HFA02028	+1.01	-1.81	-1.54	-1.20	-1.02	-1.76	-1.08	+1.01	129312	131251	71492	84090	107876	35713	40198	63400	88007
*	HFA04093	+1.27	+1.89	+3.07	+1.50	+1.58	+2.13	+2.09	+3.23	30692	39003	57872	94174	46190	126262	73537	119498	130507
	HFA04969	-1.04	+1.02	+1.23	+1.05	+1.14	+1.10	+1.22	+1.23	20540	19802	20936	25213	21666	48428	65484	64194	99188
	HFA06352	-1.06	-1.05	+1.05	+1.13	-1.33	-1.38	-1.12	-1.00	26644	25117	25332	27989	30157	23409	22580	25137	25310
*	HFA06268	+1.30	+1.16	+2.02	-1.10	+1.86	-1.06	+1.04	-1.32	97596	126915	113152	197026	88720	20074	19221	23815	26629
	HFA06391	+1.07	-1.05	+1.05	+1.09	+1.67	-1.01	+1.16	+1.51	42058	44962	40205	44140	45662	181091	91762	101041	73733
*	HFA08308	+1.16	-2.57	-4.17	-2.26	-7.02	-8.23	-5.07	-3.63	142394	165640	55320	34173	62961	70414	41790	48594	63623
	HFA10426	-1.00	-1.02	-1.03	+1.02	+1.00	-1.07	+1.12	+1.02	17328	17328	17032	16814	17722	20283	17306	28070	39263
*	HFA10268	-1.44	-1.35	-1.10	-1.68	-1.22	-2.18	-1.83	-2.03	561990	390502	415915	510316	335175	17415	16219	19397	17685
	HFA09850	+1.43	+1.28	+1.05	+1.09	+1.27	+1.21	+1.61	+1.00	28400	40751	36439	29686	30816	460027	257611	306865	276468
*	HFA12249	-1.19	+1.12	+1.16	-1.09	+1.02	-1.26	+1.46	+1.20	34752	29303	38920	40218	31832	35983	34413	45588	28400
	HFA14580	+1.77	+2.16	+1.62	+1.00	+1.26	+1.23	+1.78	+1.13	22680	40155	48876	36716	22680	35296	27495	50683	41624
*	HFA14844	+1.43	+1.24	+1.00	+1.00	+1.00	-1.03	+2.21	+1.36	24240	34579	30115	24240	24240	28491	27922	40401	25738
*	HFA16272	+1.72	+1.15	-1.09	+1.59	+3.16	+1.30	+1.89	+1.40	39926	68570	45830	36760	63638	24240	23637	53532	32996
	HFA15775	+1.39	+1.25	+1.15	+1.13	+1.64	+1.71	+1.09	+1.30	24074	33485	30149	27741	27302	126234	51886	75486	55716
	HFA16786	+1.13	+1.14	+1.01	+1.03	+1.02	+1.08	+1.27	+1.32	17938	20202	20537	18134	18448	39443	41128	26172	31218
*	HFA15105	+1.23	-1.08	-1.11	+1.00	-1.06	-2.65	-1.67	-2.91	232600	285684	216248	209727	233579	18333	19387	22760	23618
	HFA17891	+1.31	+1.19	+1.03	+1.05	-1.09	-1.03	+1.02	+1.00	16360	21461	19512	16870	17174	218500	87612	139505	79965
*	HFA18422	+1.20	-1.29	-1.27	-1.13	-1.56	-1.65	+1.33	-1.63	50670	60777	39410	39856	44818	14951	15844	16667	16360
*	HFA19384	+1.38	+1.04	+1.40	-1.08	-1.14	-1.10	-1.06	+1.17	77520	107012	80922	108322	71721	32555	30786	67402	31079
	HFA19616	-1.37	+1.08	+1.01	+1.02	+1.57	+1.23	+2.03	+1.99	18002	13180	19451	18162	18427	67721	70303	72825	90816
*	HFA21305	-1.04	-1.07	+1.03	+1.01	+1.43	-1.16	+2.96	+4.88	22798	21964	21240	23547	23073	28215	22150	36565	35808
	HFA00968	-1.04	+1.11	+1.08	+1.03	+1.00	+1.26	+1.29	+1.00	15028	14502	16635	16272	15543	32641	19726	67425	111358
*	HFA01352	+1.33	-1.36	-1.03	-1.12	+1.87	-1.50	+1.40	+1.06	75064	99947	55253	73024	67270	15028	18951	19421	15028
*	HFA01736	+1.00	+3.40	+3.34	+1.42	+2.82	+1.46	+1.45	+1.96	27520	27520	93483	91900	39206	140364	49998	105277	79871
	HFA03985	+1.07	+1.00	+1.00	-1.04	+1.00	-1.03	+1.04	-1.02	14854	15940	14854	14854	14313	77492	40150	39842	54026
	HFA05212	+1.69	+1.09	-1.05	-1.02	+1.00	-1.13	+1.05	-1.01	22482	38066	24523	21507	22088	14854	14445	15515	14568
*	HFA05596	+1.33	+1.70	+1.25	-1.00	+1.10	-1.05	+1.94	+1.08	31960	42625	54179	39967	31817	22594	19824	23560	22158
	HFA07805	+1.10	+1.00	+1.08	+1.00	-1.15	+1.21	+1.29	+1.00	12900	14146	12900	13930	12900	35152	30570	62000	34605
*	HFA08805	-1.24	-1.26	-1.19	-1.52	-1.23	-2.20	-1.54	-2.36	801646	646106	637621	670890	528823	11250	15585	16580	12900
	HFA09189	+1.34	+1.10	+1.14	+1.15	+1.07	-1.17	+1.36	+1.00	23524	31618	25888	26782	27075	652338	364646	519637	340142
	HFA09573	-1.01	+1.18	+1.00	-1.03	-1.21	-1.11	+1.21	-1.06	17656	17517	20795	17656	17165	25191	20133	32086	23524
	HFA12033	-1.33	-1.18	+1.02	+1.01	+1.51	+1.17	+1.29	-1.03	16940	12781	14342	17293	17181	14547	15881	21450	16689
*	HFA12833	+1.27	-1.03	-1.07	+1.34	+1.72	+1.17	+2.19	+1.99	24450	31012	23831	22770	32782	25510	19871	21786	16457
	HFA13217	-1.14	-1.06	+1.00	-1.04	+1.00	+1.04	+1.48	+1.00	20680	18158	19544	20680	19889	41966	28592	53643	48714
*	HFA13601	+1.02	+1.00	+1.32	+1.31	+1.64	+1.95	+2.83	+1.34	20842	21331	20842	27497	27242	20680	21531	30621	20680
	HFA13985	+1.27	-1.10	+1.00	-1.06	+1.00	-1.06	+1.12	-1.12	17184	21793	15615	17184	16241	34110	40589	59029	27923
*	HFA17381	-1.10	+1.11	+1.31	-1.08	+1.47	-1.07	+1.18	+1.13	308868	279908	342364	405073	287156	17184	16164	19161	15394
	HFA18982	+1.00	+1.00	+1.00	+1.02	+1.00	+1.15	+1.11	+1.00	12760	12760	12760	12760	13073	454642	287462	363674	350358
	HFA20429	+1.54	+1.03	+1.00	+1.44	+1.32	+1.05	+1.22	+1.00	17040	26170	17582	17040	24544	12760	14633	14181	12760
*	HFA21033	-1.41	-1.06	-1.09	-1.07	-1.06	-1.22	+2.76	-1.03	22320	15823	20969	20414	20779	22538	17902	20786	17040
*	HFA10984	+2.28	+1.04	+1.47	+4.47	+1.48	+1.08	+2.16	+1.52	19440	44249	20210	28596	86897	21123	18346	61535	21615
*	HFA20995	+1.54	+1.44	+1.22	+1.57	+2.04	-1.08	+1.16	+1.21	26000	40160	37474	31805	40714	28837	20977	41924	29587
	HFA20375	-1.10	+1.28	+1.10	-1.39	+1.02	-1.01	+1.29	+1.00	25434	23165	32489	27919	18316	53076	24178	30240	31552
*	HFA00773	-1.03	-1.52	+1.07	+1.50	-1.37	-1.64	+1.02	+1.23	172200	167423	113627	184873	258852	26023	25143	32873	25434
*	HFA02672	+1.04	-1.44	-1.30	-1.46	-1.83	-2.84	-2.07	-2.47	394728	411004	274031	302497	270743	126027	105265	175107	211615
*	HFA02151	+1.22	-1.25	-2.24	-1.93	-1.99	-3.52	-2.28	-1.68	178380	217076	143112	79695	92639	215980	139225	190894	159993
	HFA07251	-1.24	-1.19	+1.02	-1.03	+1.10	-1.16	+1.57	+1.26	150636	121303	126119	153366	146913	89520	50704	78094	106260
	HFA07111	+1.04	-1.01	+1.17	+1.39	+1.24	+1.17	+1.04	+1.60	23920	24880	23647	28042	33131	165095	130080	236737	190151
*	HFA08428	-1.40	-2.13	-2.12	-1.89	-2.32	-2.85	-3.50	+1.00	66934	47712	31397	31600	35491	29707	27978	24912	38257
*	HFA10389	+1.28	-1.63	-1.53	-1.11	-1.02	-1.45	-1.20	-1.10	75566	97094	46483	49535	68377	28830	23456	19134	66934
	HFA12140	+1.05	+1.08	+1.27	+1.27	+1.69	-1.14	-1.08	+1.19	23120	24366	24926	29273	29298	74291	52167	62811	68947
*	HFA15971	+2.15	+1.22	+1.55	+1.64	+1.56	+1.37	+1.93	+2.07	90948	195964	110920	140689	149142	39086	20284	21363	27505
*	HFA16962	-1.22	-2.17	-3.67	-2.33	-3.76	-7.51	-4.53	-4.81	393000	321742	181085	106999	168745	141654	124165	175386	188126
*	HFA17739	+1.57	-1.18	-1.39	-1.59	-1.42	-2.65	-1.25	-3.44	199880	313641	169400	143644	126057	104593	52361	86737	81772
*	HFA19926	+1.32	-1.44	-3.08	-1.09	-2.13	-3.47	-2.21	-2.93	142488	187930	98666	46331	130151	140768	75285	159336	58059
	HFA00597	+1.21	+1.06	-1.11	-1.01	+1.02	-1.41	-1.27	-1.08	22176	26797	23561	20001	21998	66825	41018	64591	48665
*	HFA03007	+1.97	+1.06	-1.20	-1.04	-1.03	-2.06	-1.02	-1.22	42360	83562	44930	35276	40785	22606	15711	17475	20592
*	HFA02554	+3.66	+1.34	+1.43	+4.79	+2.05	+1.38	+1.89	+1.89	171676	628713	229601	245904	821516	41250	20265	41678	34779
*	HFA02670	-2.91	-5.20	-3.20	-3.75	-1.88	-3.84	-3.20	-2.97	378820	129973	72890	118257	101138	351513	236112	325153	324364
*	HFA04414	+1.38	-1.31	+1.32	-1.61	-2.40	-1.85	-1.60	-1.72	3039480	4182504	2317394	4022918	1882558	201927	98668	118318	127444
*	HFA05947	+1.02	+1.45	+2.74	+1.29	+2.17	-1.03	+1.50	+1.32	123174	125752	178060	337913	159273	1268020	1641051	1902594	1769717
*	HFA06336	+1.04	-1.14	-1.15	-1.57	+1.54	+2.14	+1.86	+1.99	151026	156688	132990	131041	96178	267126	119377	185181	162066
*	HFA06783	+1.50	+1.55	+2.90	+1.57	+2.87	+2.21	+2.37	+6.66	77786	116809	120641	225944	122120	232874	323539	280416	300934
*	HFA06746	+1.21	-1.04	+1.15	+1.59	+1.06	-1.37	+1.16	+1.61	79320	95602	76568	90879	126022	223576	171535	184389	517914
*	HFA08183	+1.01	-1.42	-1.50	-1.23	-1.76	-2.31	-1.17	-1.80	108238	109260	76131	72086	88000	84167	57962	92259	127361
*	HFA10178	+1.03	+1.15	-1.00	+1.31	+1.87	+1.51	+2.46	+1.59	28336	29215	32661	28336	37063	61630	46871	92846	59974
*	HFA10435	+1.25	-1.09	+1.15	+1.09	+1.30	-1.65	-1.20	+1.02	105200	131375	96478	120566	114333	53043	42670	69780	45155
*	HFA10092	-1.22	+1.17	+1.00	-1.01	+1.92	+6.04	+2.42	+1.00	18238	14970	21421	18238	18132	136246	63735	87716	106910
*	HFA12314	+1.62	+1.26	+11.10	+1.00	+7.08	+15.91	+2.57	+3.35	35368	57200	44421	392444	35368	34959	110097	44193	18238
*	HFA16388	+1.57	+2.47	+11.82	+1.00	+2.43	+4.74	+7.95	+4.99	89106	140283	219874	1053633	89106	250408	562881	90846	118319
	HFA17081	-1.35	-1.22	-1.11	-1.04	-1.11	-1.62	-1.07	+1.00	23760	17571	19445	21476	22904	216147	422113	708030	444669
*	HFA16224	+1.62	+1.16	+1.98	+1.57	+1.29	+1.16	+1.67	+1.24	31316	50714	36370	61852	49153	21450	14664	22260	23760
*	HFA14692	+1.85	+1.19	+1.02	+1.42	+1.01	+1.10	+1.22	+1.13	28482	52718	33866	28933	40307	40482	36368	52367	38729
	HFA14741	+1.03	+1.15	+1.00	+1.00	+1.04	+1.05	-1.12	+1.07	15280	15753	17609	15280	15280	28866	31384	34634	32305
*	HFA15420	-1.11	+1.00	-1.27	-1.16	-1.04	-1.50	+1.05	-1.68	63940	57562	64038	50429	55264	15828	16032	13601	16344
*	HFA18730	+2.14	+1.13	-1.53	+1.33	+1.33	-1.25	+1.40	-1.15	81718	174766	92229	53387	108980	61609	42715	67029	37989
*	HFA18798	+1.25	-1.71	-2.40	-2.12	-2.03	-5.18	-1.64	-2.13	136808	170697	80185	56974	64475	108653	65334	114583	71325
*	HFA19409	+1.29	+1.30	+1.47	+2.55	-1.12	+1.37	+1.22	+1.79	30542	39322	39743	44745	77974	67387	26426	83629	64100
*	HFA19781	+1.23	-1.09	-1.13	+1.07	+1.39	-1.27	+1.42	-1.26	539088	665323	495618	478074	577481	27195	41949	37368	54565
	HFA00023	+1.05	+1.10	+1.02	-1.16	-1.22	-1.08	+1.11	+1.07	23560	24729	25964	23944	20296	749870	423352	762828	428029
*	HFA00992	+1.78	+1.20	+1.10	+1.22	+1.09	+1.00	+2.11	+1.02	28402	50422	33944	31316	34536	19233	21774	26135	25127
*	HFA01376	+1.34	+1.10	+1.19	+1.60	+1.22	+1.28	+1.99	+1.30	32764	44018	36203	38871	52496	31014	28402	60042	28976
*	HFA01760	+1.60	+1.11	+1.12	+1.33	+1.43	+1.03	+2.43	+1.00	21472	34453	23941	24002	28536	40118	42040	65238	42583
	HFA04009	+1.11	+1.05	+1.00	+1.07	+1.00	-1.10	+1.55	+1.16	16592	18363	17376	16592	17775	30757	22161	52182	21472
*	HFA05236	+1.16	-1.33	+1.05	-2.03	-1.34	-1.96	-1.19	-1.89	166944	193421	125558	176061	82082	16592	15042	25763	19219
*	HFA05620	+1.62	-1.01	+1.00	+1.27	+1.22	+1.10	+1.84	+1.35	31624	51299	31407	31624	40094	124922	85305	140293	88470
	HFA07834	+1.17	+1.00	+1.00	-1.03	+1.15	-1.03	+1.89	+1.09	17422	20430	17422	17422	16929	38674	34898	58340	42761
	HFA08829	+1.31	-1.04	+1.14	-1.03	+1.05	-1.49	+1.15	-1.20	91104	119561	87336	103866	88448	20005	16928	32934	18917
	HFA09213	+1.13	+1.00	+1.13	-1.16	+1.06	-1.17	+1.59	+1.00	22728	25765	22728	25733	19571	95686	61247	104869	75944
*	HFA09597	+1.47	+1.43	+1.44	+1.91	+1.79	-1.07	+2.56	+1.23	36166	53082	51731	52132	69231	24096	19416	36168	22728
*	HFA12057	+2.28	+1.21	+1.36	+1.78	+1.52	-1.01	+2.02	+1.67	53522	122286	64951	72653	95346	64604	33908	92750	44643
*	HFA12857	-1.08	-1.38	+1.00	-1.06	+1.11	+1.01	+1.88	+1.18	31520	29094	22922	31520	29748	81360	53216	108127	89117
*	HFA13241	+2.72	+1.62	+1.34	-1.02	+1.70	+1.14	+1.36	+1.00	22242	60606	36066	29913	21701	35090	31927	59210	37105
	HFA13625	+1.07	+1.04	+1.00	+1.13	-1.01	-1.05	+2.62	+1.12	22840	24486	23648	22840	25829	37870	25372	30143	22349
	HFA14009	+1.03	+1.16	+1.00	+1.08	+1.00	+1.04	+1.35	+1.00	20404	20947	23762	20404	22038	22506	21842	59747	25496
	HFA17408	+1.33	+1.20	+1.09	+1.14	+1.02	+1.18	+1.14	+1.00	19780	26212	23646	21623	22600	20404	21184	27563	20404
*	HFA19006	+2.10	+2.09	+4.63	+5.93	+18.65	+9.47	+14.29	+7.01	62718	131826	131071	290595	372154	20134	23343	22635	19780
	HFA20453	+1.62	+1.29	+1.20	+1.46	+1.29	-1.27	+1.30	+1.61	27560	44756	35498	32935	40355	1169706	593730	895992	439645
*	HFA21067	+1.23	+1.05	+1.45	+1.23	+2.50	+1.79	+4.81	+1.20	30880	38124	32426	44817	37965	35626	21679	35954	44270
*	HFA15278	+1.15	+1.12	+1.00	+1.20	-1.03	+1.05	+1.71	+2.54	32920	37979	37010	32920	39385	77097	55171	148635	37164
*	HFA01034	+1.84	+1.15	+1.00	+1.12	+1.35	+1.12	+1.36	+1.68	41080	75461	47402	41080	45894	32003	34498	56409	83619
*	HFA00631	+1.28	-1.03	-1.26	-1.10	-1.37	-2.09	-1.89	-1.27	62270	79838	60570	49450	56602	55334	46058	55940	69178
*	HFA02908	+1.04	-1.17	-1.36	-1.14	+1.44	+9.97	+5.27	-1.56	132652	137474	113346	97337	115894	45590	29770	32951	48982
*	HFA03706	-1.03	-1.83	-2.76	-2.38	-4.02	-4.27	-3.53	-2.84	512496	495559	280532	185424	215507	190680	1322125	699618	85301
*	HFA07239	-1.09	-1.09	-1.20	-1.46	-1.13	-1.49	-1.39	-1.09	187026	171186	171985	155499	128520	127402	120077	145325	180702
*	HFA07181	-1.15	+1.44	+1.04	-1.49	-1.20	-1.82	-1.47	-1.05	407024	353858	585075	424458	272869	165718	125359	134434	171005
*	HFA08452	-1.56	-1.23	+1.01	-1.55	+1.25	-1.44	+1.56	-1.92	3366698	2163812	2742467	3402814	2172213	340239	223989	277495	386898
*	HFA10760	+1.34	-1.36	-1.53	-1.68	-2.40	-2.25	-2.11	-1.18	66624	89288	48953	43415	39596	4214186	2344338	5243681	1748938
*	HFA12203	+1.30	-1.25	-2.20	-1.10	+1.22	-1.55	-1.36	-1.70	168600	219499	135337	76646	153916	27755	29636	31564	56500
*	HFA16642	+1.43	+1.80	+1.75	+1.48	+1.63	-1.27	+1.27	+1.56	126514	181490	228305	220927	187600	205513	108456	123812	99205
*	HFA15961	-1.18	-1.60	-2.39	-2.27	-1.63	-3.68	-2.96	-2.55	162154	137118	101053	67890	71462	205895	100003	160556	197016
	HFA18095	+1.38	+1.23	-1.04	+1.21	-1.31	-1.29	-1.08	+1.13	35120	48428	43139	33708	42397	99655	44109	54734	63498
*	HFA19997	+1.15	-1.35	-2.28	-1.14	-1.36	-2.49	-2.25	-2.31	137368	157881	101934	60366	119997	26807	27171	32601	39691
*	HFA00504	-1.17	-1.59	+1.11	-2.00	-2.92	-2.53	-2.05	-1.51	619200	528095	388815	689061	310222	100754	55260	61126	59397
*	HFA03087	+2.25	+1.12	-1.08	+1.09	-1.13	-1.31	+1.07	+1.26	30094	67812	33637	27849	32841	211714	244457	301664	408855
*	HFA02562	+1.53	+1.19	+1.18	+1.46	+1.29	-1.06	+1.03	+1.21	42080	64460	49878	49738	61525	26535	22944	32198	38028
*	HFA02607	+1.62	+1.09	+1.15	+1.46	+6.02	+3.06	+5.82	+10.26	25120	40623	27395	28875	36609	54320	39858	43548	50762
*	HFA04167	+1.34	+1.23	+5.13	+2.49	+3.29	+4.74	+5.75	+3.08	22722	30504	28017	116594	56623	151175	76780	146246	257822
*	HFA07664	+1.93	+1.17	+1.22	+1.10	-1.04	-1.28	+1.24	+1.25	338880	654678	397436	413650	373162	74817	107591	130646	70074
*	HFA07622	+1.47	+1.53	+1.66	+13.45	+2.09	+1.17	+1.37	+6.89	30654	44914	47041	50840	412173	326026	265382	420700	422875
*	HFA07040	+1.31	+1.28	+1.59	+1.21	+1.61	+1.23	+1.65	+2.68	38452	50312	49143	61247	46597	63952	35906	42134	211110
*	HFA08586	+2.24	+2.02	+4.45	+1.48	+3.16	+4.44	+3.83	+2.89	27280	61120	54980	121509	40357	62001	47168	63550	103004
*	HFA08313	+1.97	+2.31	+8.55	+3.12	+2.34	+1.91	+1.66	+3.42	23424	46205	53998	200334	72997	86264	121133	104390	78706
*	HFA11321	+1.30	-2.50	-6.01	-2.06	-4.18	-3.92	-2.41	-3.53	385520	500975	154175	64147	187305	54773	44803	38835	80172
*	HFA10013	+1.06	-1.06	-1.33	-1.41	-1.21	-2.23	-1.19	-1.60	120960	128258	114644	90689	85785	92323	98231	159807	109232
*	HFA11063	-1.34	+1.22	+1.02	+1.49	+10.14	+46.40	+25.69	+3.87	25480	19074	31024	25902	38043	100070	54204	102051	75638
*	HFA12307	+1.18	+1.05	-1.04	-1.20	-1.17	-1.77	-1.42	-1.60	148724	175239	155455	142745	123569	258250	1182176	654459	98616
*	HFA16406	+1.08	+1.10	+1.17	+1.11	-1.20	-1.27	+1.07	-1.11	157776	169715	173261	184354	175742	126775	84038	105060	92915
	HFA15169	-1.57	-1.46	+1.20	+1.43	-1.49	+1.55	-2.23	+7.17	29064	18553	19913	34897	41468	131405	124102	168125	142651
*	HFA16206	+1.44	+1.37	-1.12	+1.04	-1.39	-1.64	+1.08	-1.23	40580	58525	55604	36154	42068	19551	44999	13030	208361
*	HFA14687	-1.02	+1.40	+1.07	+1.24	+1.23	+1.05	+2.21	+1.11	33044	32299	46348	35441	40845	29247	24685	43961	32882
	HFA15186	-1.13	+1.21	+1.00	+1.07	-1.00	-1.21	+1.59	+1.00	16284	14429	19657	16284	17398	40562	34780	73036	36718
*	HFA17158	+2.17	+1.15	+1.56	+1.89	+2.32	+1.99	+2.01	+2.66	68588	149118	78999	107267	129933	16275	13496	25840	16284
*	HFA18826	+1.35	-1.24	-1.73	-1.90	-1.79	-2.35	-1.75	-2.13	189416	255319	152297	109349	99723	159189	136174	137547	182299
	HFA18157	-1.51	-1.08	-1.09	+1.06	-1.78	-1.53	-1.05	-1.03	36830	24320	34128	33912	38904	105984	80439	108073	88823
	HFA19598	+1.31	+1.16	+1.24	-1.32	-1.43	+1.14	-1.25	+1.23	27244	35787	31680	33662	20685	20658	24068	35058	35785
*	HFA20053	+1.00	+1.07	+1.68	-1.10	+1.44	+1.24	+1.59	+1.43	34008	34008	36274	57153	30787	19041	30988	21808	33400
	HFA00047	-1.03	+1.02	+1.22	+1.00	+1.06	-1.09	+1.20	+1.49	25530	24776	26093	31151	25530	49064	42250	54216	48791
	HFA01016	+1.05	+1.00	+1.00	+1.00	+1.00	+1.11	+1.15	+1.00	15360	16096	15360	15360	15360	26960	23380	30684	37962
*	HFA01400	+1.21	-1.15	+1.23	+1.36	+1.61	+1.04	+1.39	+1.40	32760	39769	28541	40318	44667	15360	17112	17684	15360
	HFA01784	+1.00	-1.17	+1.01	-1.04	-1.04	-1.15	+1.03	+1.00	23140	23200	19817	23380	22276	52607	34119	45688	45811
*	HFA04033	+2.29	+2.23	+4.07	+3.71	+15.93	+8.44	+18.94	+7.40	144542	330658	322910	587876	535869	22242	20064	23839	23140
	HFA05260	+1.16	+1.04	+1.00	+1.00	-1.17	+1.04	+1.33	+1.00	14648	16926	15172	14648	14648	2302438	1220265	2738291	1070271
	HFA05644	+1.00	+1.04	+1.00	+1.00	+1.00	-1.10	+1.94	+1.00	16480	16480	17109	16480	16480	12565	15268	19471	14648
	HFA07877	-1.04	+1.23	+1.17	+1.01	+1.44	-1.08	+1.50	+1.02	22518	21665	27696	26253	22820	16480	14954	31939	16480
*	HFA08853	+1.38	-1.27	-1.81	-1.75	-1.58	-2.35	-1.16	-2.40	111276	153497	87535	61578	63429	32358	20877	33806	23030
	HFA09237	+1.17	+1.00	+1.00	+1.00	-1.08	-1.01	+1.71	+1.00	16280	19000	16280	16280	16280	70508	47351	96066	46398
	HFA09621	+1.09	+1.05	+1.00	+1.06	+1.13	-1.04	+2.46	+1.06	20120	21984	21082	20120	21269	15130	16088	27869	16324
	HFA12081	+1.16	+1.00	+1.04	+1.00	-1.02	+1.24	+1.73	+1.00	13814	15987	13814	14304	13814	22804	19311	49594	21312
*	HFA12881	+1.71	+1.33	-1.08	+1.13	+1.17	+1.15	+2.53	+1.57	26744	45697	35629	24721	30255	13480	17141	23918	13814
	HFA13265	+1.74	+1.41	+1.28	+1.19	+1.02	+1.29	+1.82	+1.16	20658	35889	29155	26376	24532	31393	30733	67776	42021
*	HFA13649	-1.07	+1.79	+4.50	+1.59	+2.30	+2.17	+1.92	+2.43	22190	20682	39814	99771	35360	21139	26679	37616	23948
	HFA14033	-1.22	-1.07	+1.00	+1.00	+1.08	+1.56	+1.64	+1.00	14882	12182	13866	14882	14882	51011	48253	42713	53923
*	HFA17434	+1.63	+1.03	+1.22	+1.19	+1.34	+1.13	+4.01	+1.44	36874	60160	37804	44870	43983	16146	23229	24334	14882
	HFA19030	+1.12	+1.00	+1.00	+1.00	-1.01	+1.40	-1.19	+1.00	14560	16302	14560	14560	14560	49555	41693	147836	53048
	HFA20595	-1.16	+1.07	+1.07	-1.10	+1.00	-1.15	+1.59	+1.07	19718	16981	21041	21047	17955	14383	20342	12192	14560
*	HFA21096	+2.14	+1.98	+2.26	+1.77	+2.56	+1.29	+1.76	+2.19	34524	73789	68278	77930	61075	19817	17174	31376	21139
*	HFA16116	+1.22	+1.00	+1.09	+1.34	+1.07	-1.10	+1.30	+1.18	43600	53408	43642	47656	58426	88448	44578	60922	75723
	HFA05247	-1.15	+1.00	+1.00	-1.19	-1.97	-1.22	+1.16	+1.06	22920	19859	22920	22920	19270	46775	39631	56610	51242
*	HFA00680	+1.38	-1.32	-1.83	-1.13	-1.37	-2.37	-1.93	-1.54	104398	143614	78910	57086	92141	11614	18843	26519	24395
*	HFA02794	+1.41	-2.09	-4.33	-2.33	-1.61	-3.71	-2.93	-2.37	796960	1122558	381136	183922	342528	75953	43969	53981	67717
*	HFA04444	+1.46	-1.36	-1.71	-2.20	-2.10	-4.10	-2.44	-2.49	258904	376910	189837	151351	117498	495241	214775	271558	336642
*	HFA07593	-1.42	-1.67	-1.75	-1.68	-1.84	-2.32	-1.20	-1.04	242726	170864	145118	138346	144879	123314	63174	106196	104077
*	HFA07508	+1.91	-1.09	+1.95	+2.52	+1.76	+1.12	+1.46	+3.40	85024	162442	77785	166212	214333	131891	104812	202137	233229
	HFA08728	+1.13	-1.06	+1.04	+1.16	-1.04	+1.34	-1.24	+1.03	15960	17963	15100	16648	18491	149726	95130	124247	289036
*	HFA10556	+1.53	+1.06	+1.07	+1.20	+1.05	-1.27	+1.75	+1.08	73200	112093	77821	77988	87763	15393	21398	12904	16404
*	HFA12517	-1.07	-1.14	-1.13	-1.19	-1.21	-1.85	-1.21	+1.07	172862	161196	152041	153290	145015	77179	57650	128341	79043
*	HFA16213	-1.55	-2.26	-3.10	-2.22	-3.32	-3.87	-2.87	-3.14	472760	305642	208874	152370	212626	142463	93469	143119	184746
*	HFA14488	+1.12	-1.22	+1.29	-1.17	-1.59	-1.62	-1.12	-1.04	123982	138449	101221	160002	105642	142277	122077	164960	150666
*	HFA18369	-1.41	-2.15	-3.36	-2.12	-1.98	-3.18	-2.36	-2.40	312624	222221	145072	92966	147782	77802	76629	110402	119755
	HFA20016	+1.67	+1.56	+1.30	+1.07	+1.33	+1.56	+1.16	+2.49	16740	27919	26136	21757	17985	157796	98406	132541	130242
*	HFA00285	+1.28	+1.04	+1.18	+1.06	+1.42	-1.21	+1.07	+1.13	35500	45433	36911	41883	37797	22237	26040	19355	41705
*	HFA02265	-1.16	-1.92	-1.39	-1.54	+2.02	-1.07	+1.34	+2.77	229120	197261	119400	164820	148820	50328	29377	37860	40156
*	HFA03470	+2.03	+1.56	+1.73	+1.81	+1.69	+1.59	+2.25	+3.40	27760	56388	43248	48018	50245	462757	215120	307677	634490
*	HFA02010	+1.14	+1.15	+2.19	+1.38	+2.21	+2.48	+2.18	+2.12	27694	31651	31906	60603	38309	46986	44045	62401	94475
*	HFA04176	+1.11	+1.15	+1.10	-1.01	-1.13	-1.99	-1.13	-1.31	53728	59648	61898	58913	52990	61316	68636	60249	58589
*	HFA06822	-1.06	-1.05	+1.19	-1.22	+1.01	-1.66	-1.14	+1.03	373902	353887	355800	446552	307645	47651	27032	47561	41001
	HFA06320	-1.41	+1.00	+1.00	+1.16	+1.11	-1.39	-1.01	+1.41	22040	15682	22108	22040	25580	379201	225375	326748	386380
*	HFA07146	+1.54	+1.19	+2.21	+2.16	+2.12	+2.01	+2.68	+3.44	31366	48455	37282	69208	67899	24516	15912	21828	30995
*	HFA08267	+1.79	+1.06	+1.11	+1.24	+1.29	-1.14	+1.31	+1.31	29264	52511	30951	32427	36350	66649	62940	83905	107994
	HFA09754	+1.66	-1.02	+1.05	+1.41	+1.40	-1.09	+1.51	+1.38	28392	47132	27828	29734	40033	37696	25592	38195	38221
*	HFA10167	-1.13	+1.03	+2.75	+1.02	+5.73	+6.37	+2.04	+1.26	39134	34490	40254	107478	39851	39668	26011	42857	39129
*	HFA10753	-1.31	-1.60	-2.61	-3.00	-2.15	-2.10	-2.09	-2.80	296448	226540	184937	113540	98827	224370	249138	79713	49149
*	HFA11406	+1.72	+1.13	+1.03	+1.74	+1.01	-1.40	+1.09	-1.39	265174	456874	299015	272600	460835	138162	140975	142029	105824
*	HFA12133	+1.07	+1.75	+2.49	+1.00	+2.40	+2.01	+2.26	+1.48	23200	24905	40561	57740	23200	268170	189056	288377	191282
*	HFA16427	+1.49	-1.31	-1.68	-1.64	-1.93	-1.69	+1.22	-1.94	338076	505316	257308	201126	205565	55567	46588	52351	34291
	HFA14828	+1.43	+1.04	+1.01	+1.01	+1.12	-1.26	-1.00	+1.00	16544	23659	17246	16710	16713	175010	200126	410946	174708
*	HFA16952	+1.08	-1.19	+1.07	-1.16	-1.01	-1.60	+1.09	-1.44	65858	70956	55451	70248	56647	18579	13107	16544	16544
	HFA14675	+1.24	+1.03	+1.15	-1.06	+1.06	+1.00	+1.18	+1.00	33400	41354	34273	38573	31629	65357	41260	71514	45620
*	HFA14756	+1.43	-1.11	-1.03	+1.15	+1.22	-1.19	+1.41	-1.02	35804	51138	32387	34626	41333	35566	33400	39562	33400
	HFA17210	+1.04	+1.06	+1.00	-1.00	-1.09	-1.17	+1.59	+1.00	23328	24340	24746	23328	23275	43811	30115	50454	35035
*	HFA18409	+1.93	+1.16	+1.24	+1.15	+1.00	-1.02	+1.09	+1.32	31366	60492	36461	39020	36046	21461	19908	37179	23328
*	HFA17855	-1.16	-1.44	+1.93	-1.49	+2.07	+1.53	+1.41	+1.39	45256	38945	31464	87542	30452	31366	30709	34171	41407
	HFA20187	+1.17	+1.14	+1.38	+1.25	-1.10	-1.05	+1.80	+1.00	15920	18594	18116	21907	19845	93861	69260	63752	62694
*	HFA19555	-1.12	-1.03	+1.65	-1.72	+1.02	-1.43	-1.05	-1.96	2746426	2459864	2655075	4526617	1592435	14469	15167	28715	15920
	HFA00071	+1.03	+1.06	+1.13	+1.10	+1.39	-1.09	+1.76	+1.14	34200	35389	36351	38577	37704	2796885	1923391	2606402	1411331
*	HFA01040	+2.74	+1.20	+1.13	+1.79	+1.14	+1.23	+2.60	+1.06	28360	77638	34043	32003	50635	47668	31442	60176	38977
	HFA01424	-1.15	+1.12	+1.00	+1.00	-1.04	+1.07	+1.76	+1.00	16120	13969	18083	16120	16120	32391	34836	73867	30048
	HFA01808	+1.42	+1.16	+1.04	+1.35	+1.12	-1.01	+1.45	+1.12	31208	44169	36277	32439	42125	15563	17247	28407	16120
	HFA04741	+1.23	+1.00	+1.19	+1.20	+1.35	+1.17	+1.67	+1.01	15360	18864	15360	18256	18365	34835	30780	45106	35096
*	HFA05284	+1.80	+1.21	+1.20	+1.05	+1.83	-1.31	+1.31	+1.16	35000	63064	42193	41936	36872	20662	17966	25675	15498
*	HFA05668	+1.49	-1.88	-2.73	-4.39	-2.94	-3.47	-1.13	-2.39	116820	173503	62303	42812	26585	64203	26723	45922	40742
*	HFA07900	-1.42	-1.13	-1.06	-1.62	+1.02	-2.69	-1.68	-1.72	236064	166304	209519	222866	146093	39795	33662	103017	48811
	HFA08877	-1.19	+1.03	+1.00	+1.09	-1.08	-1.22	+1.59	-1.04	26360	22130	27035	26360	28813	240967	87786	140252	137204
	HFA09261	-1.61	-1.07	+1.00	-1.05	+1.01	+1.27	+1.44	+1.00	15800	9784	14793	15800	15113	24357	21617	41881	25448
	HFA09645	+1.09	-1.03	+1.01	+1.11	+1.12	-1.11	+2.07	+1.39	23768	25804	23062	23976	26385	15931	20056	22740	15800
	HFA12105	+1.62	-1.11	+1.03	+1.04	+1.21	+1.28	+2.02	+1.00	22454	36424	20231	23184	23261	26559	21383	49105	32995
	HFA12905	+1.17	+1.09	+1.00	+1.00	+1.00	-1.11	+1.93	+1.09	17960	21061	19629	17960	17960	27229	28688	45425	22454
	HFA13289	-1.01	+1.01	+1.00	-1.05	+1.08	-1.06	+2.42	+1.00	15500	15285	15680	15500	14779	18050	16164	34711	19501
	HFA13673	-1.04	+1.01	+1.13	+1.22	+1.00	-1.05	+2.00	+1.00	15920	15248	16009	18048	19470	16809	14676	37479	15500
*	HFA14057	-1.06	+1.14	+1.09	+1.21	+1.30	-1.01	+1.85	+1.39	41664	39378	47583	45386	50307	15920	15200	31844	15920
*	HFA17462	+1.30	+1.39	+1.39	+1.45	+1.61	+1.12	+1.48	+1.26	34040	44329	47216	47309	49491	54260	41435	77075	57960
	HFA19054	-1.11	+1.09	-1.01	+1.33	+1.58	+1.13	+1.74	+1.00	19800	17762	21501	19604	26285	54897	38159	50423	43003
*	HFA20653	+1.52	+1.19	+1.20	+1.33	+1.07	-1.09	+1.68	+1.41	32846	49923	39021	39444	43754	31258	22350	34382	19800
*	HFA21125	+2.39	+1.70	+1.95	+1.45	+2.33	+1.30	+1.52	+1.51	31184	74459	53079	60751	45281	35248	30092	55204	46285
*	HFA18298	+1.16	+1.25	+1.21	+1.86	+20.49	+1.19	+1.67	+1.28	136678	158946	170393	165816	254094	72720	40459	47259	47183
*	HFA09140	+1.47	-1.01	-1.22	+1.00	+1.00	-1.03	+1.84	+1.00	28960	42557	28614	23694	28960	2800633	163200	228216	175515
*	HFA00752	-1.18	-2.15	-1.09	+1.01	-2.97	-1.86	+2.77	+4.42	404986	344563	188428	371814	410199	29105	28133	53380	28960

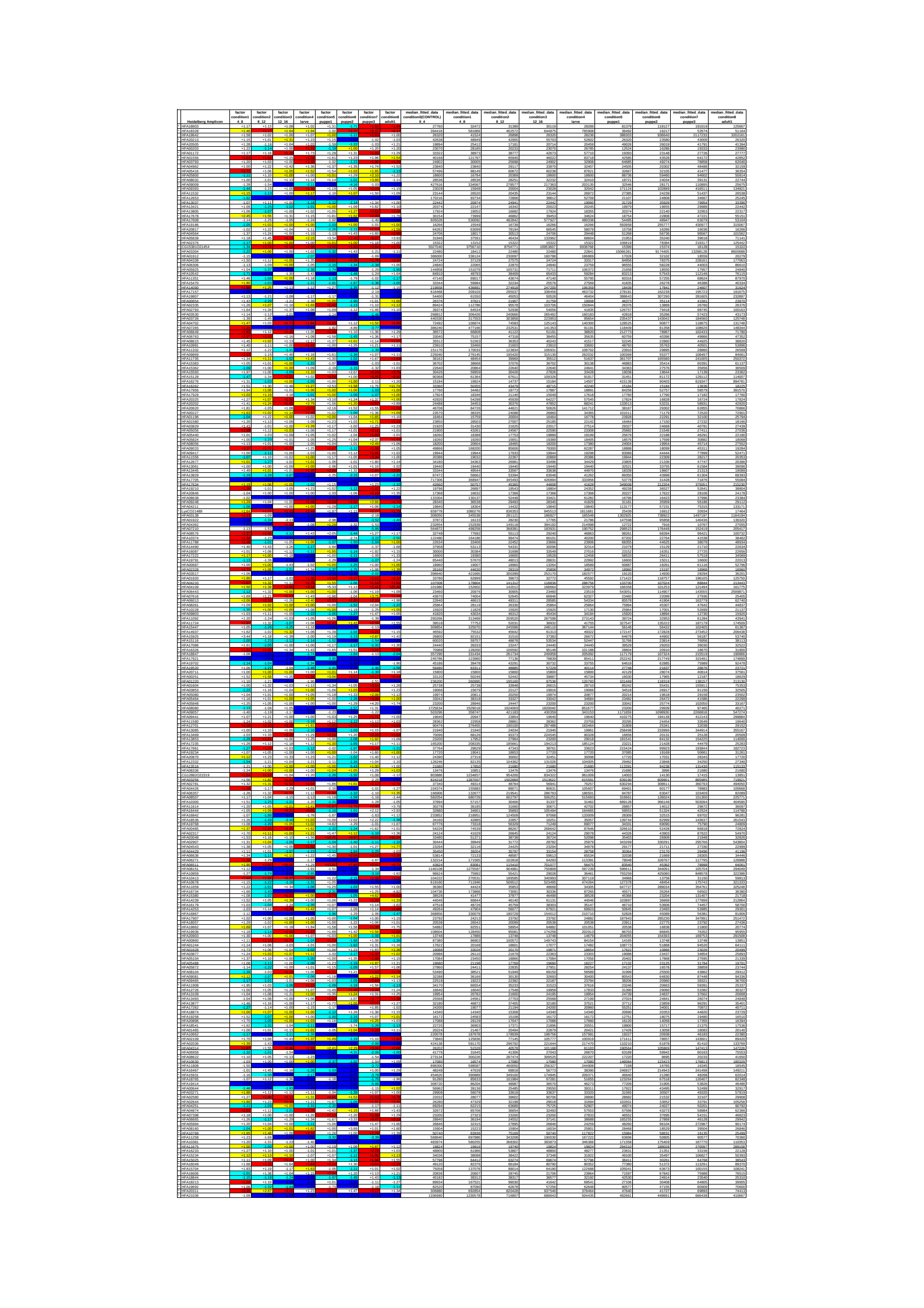


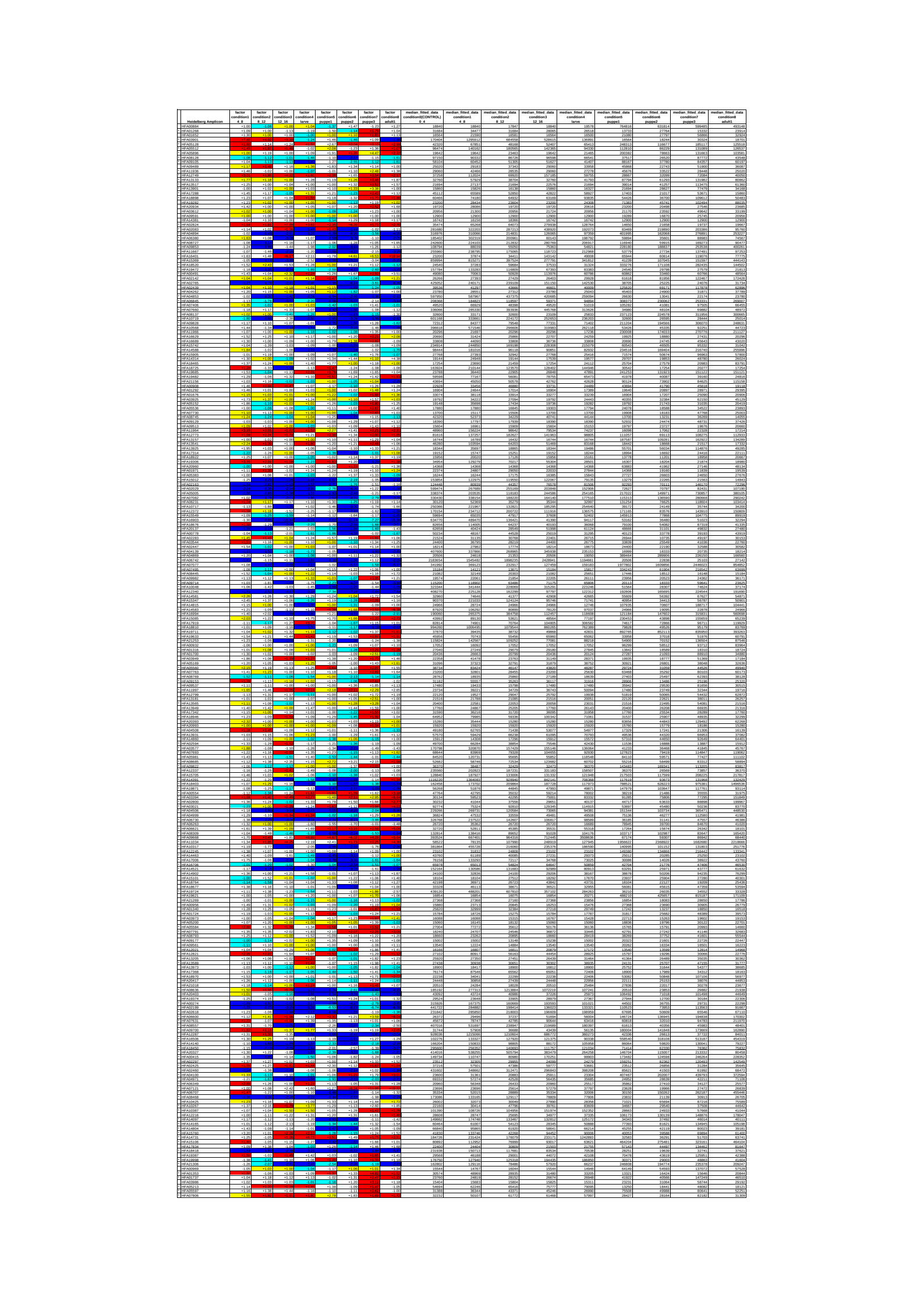


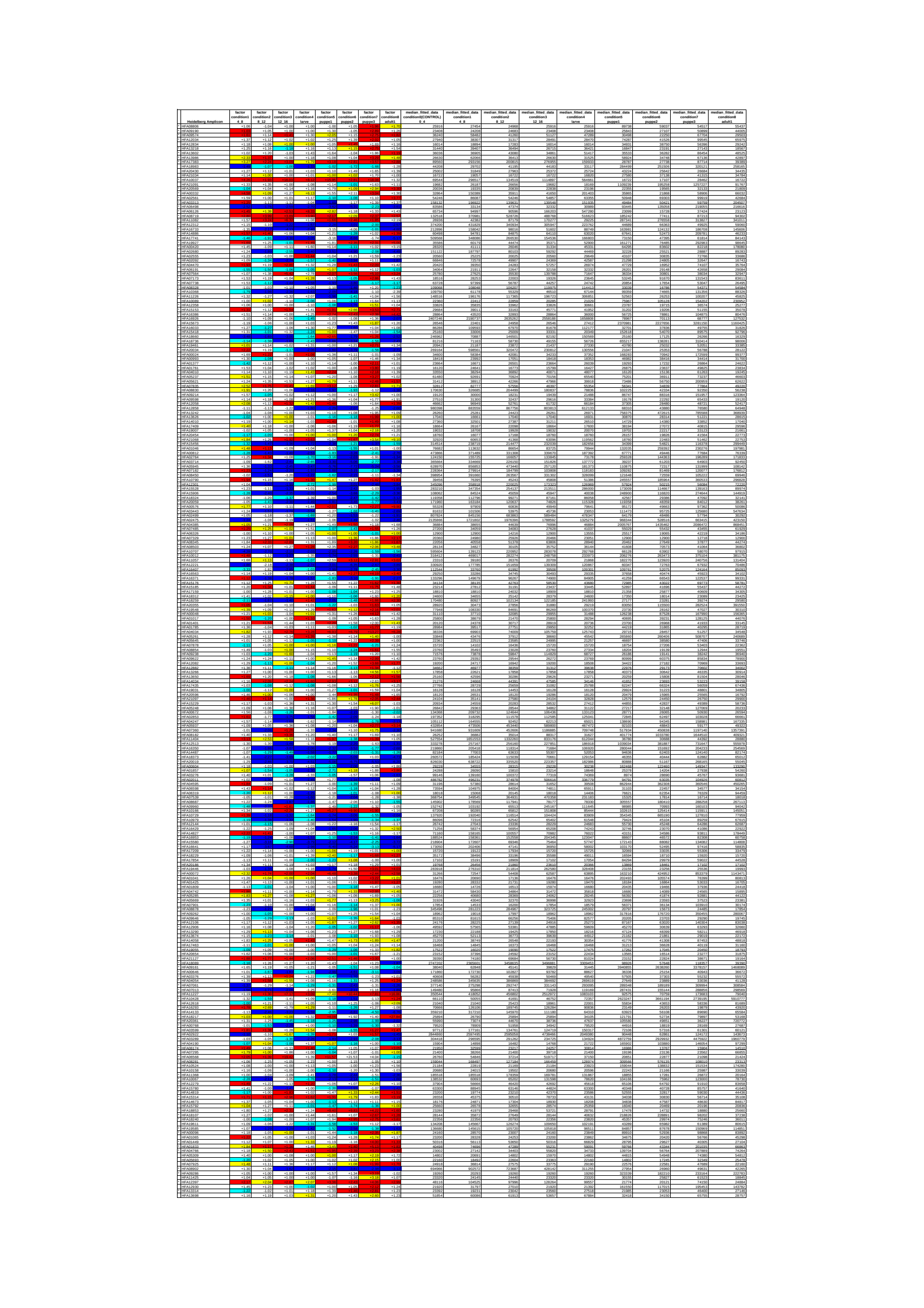


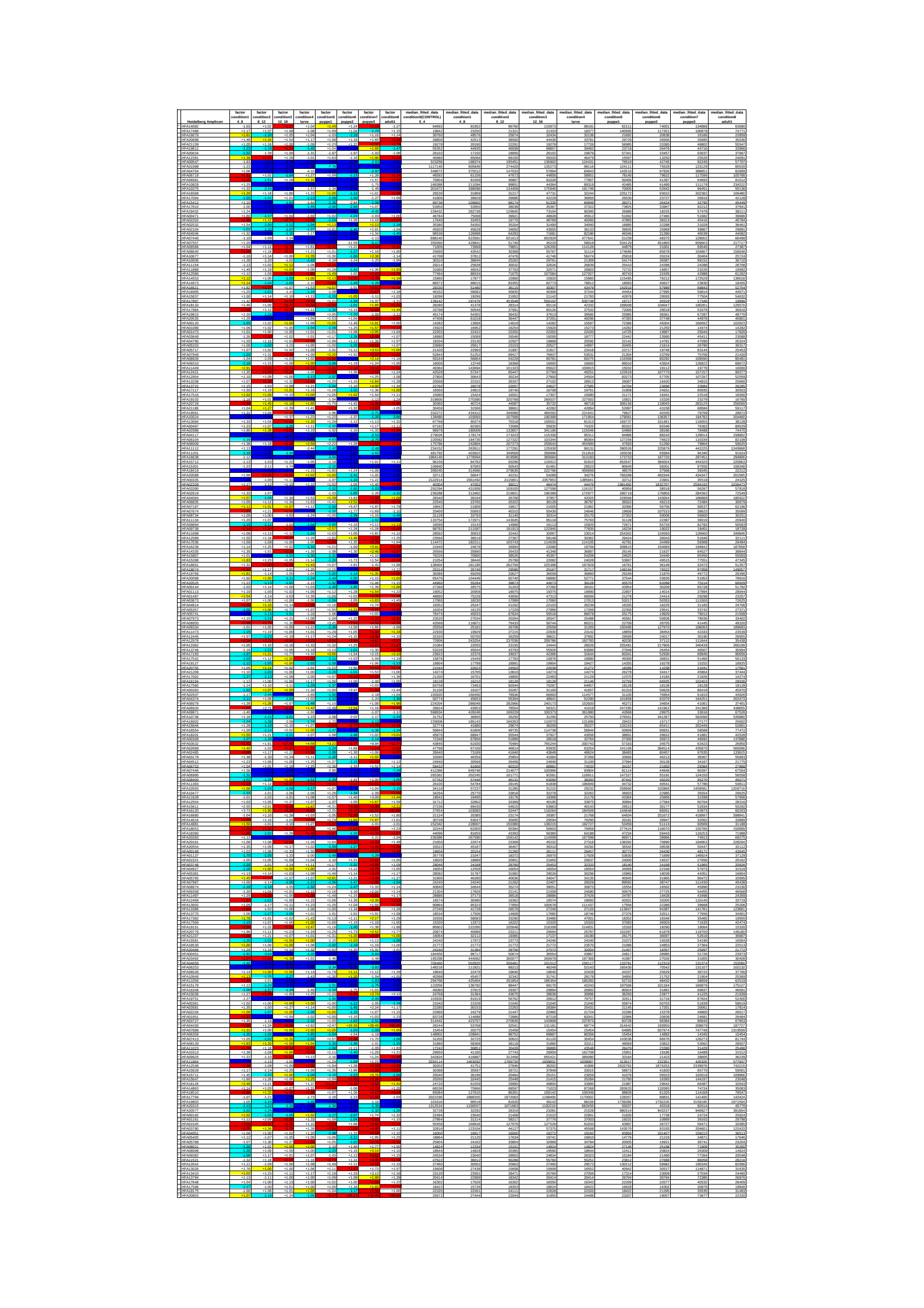


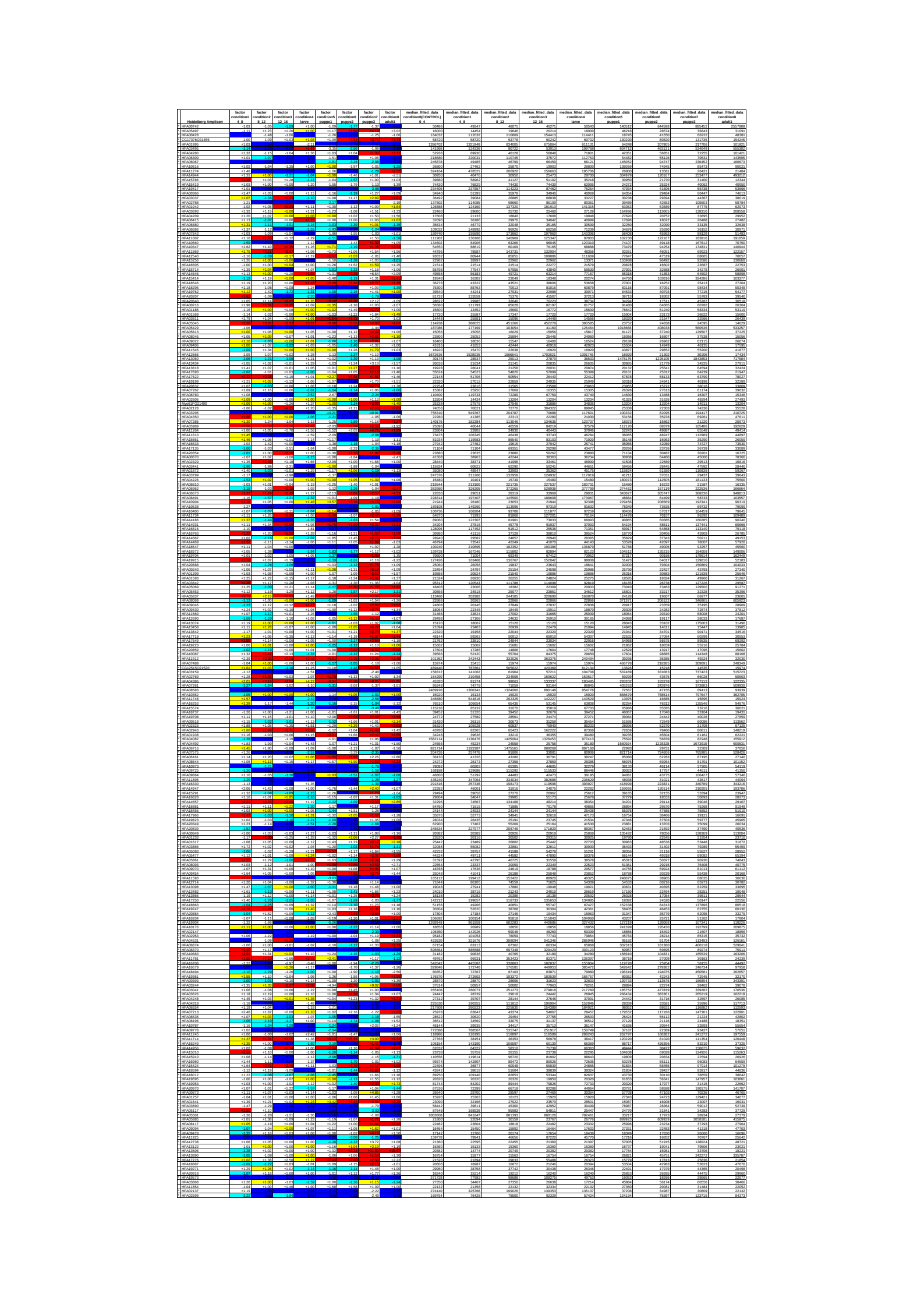


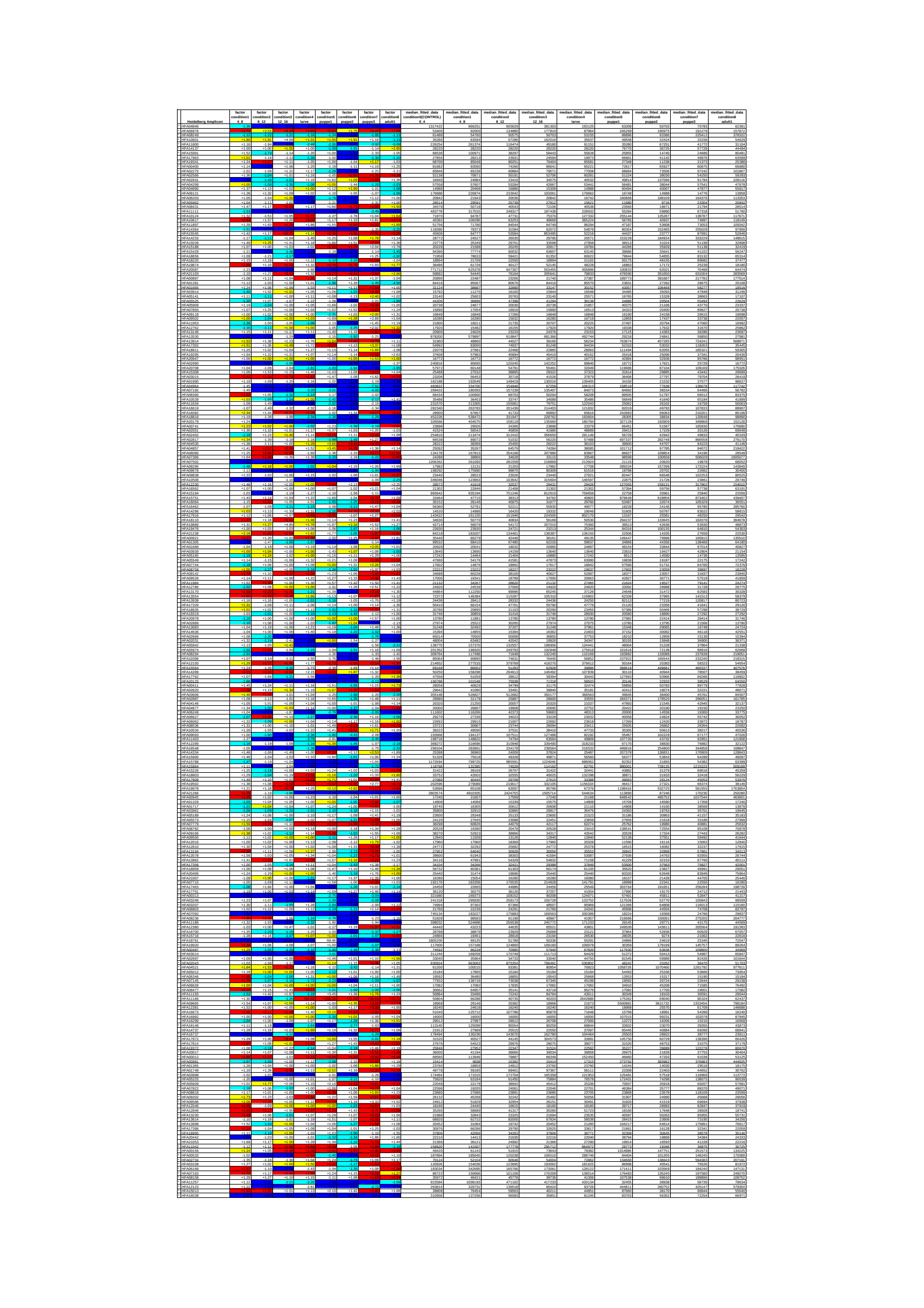


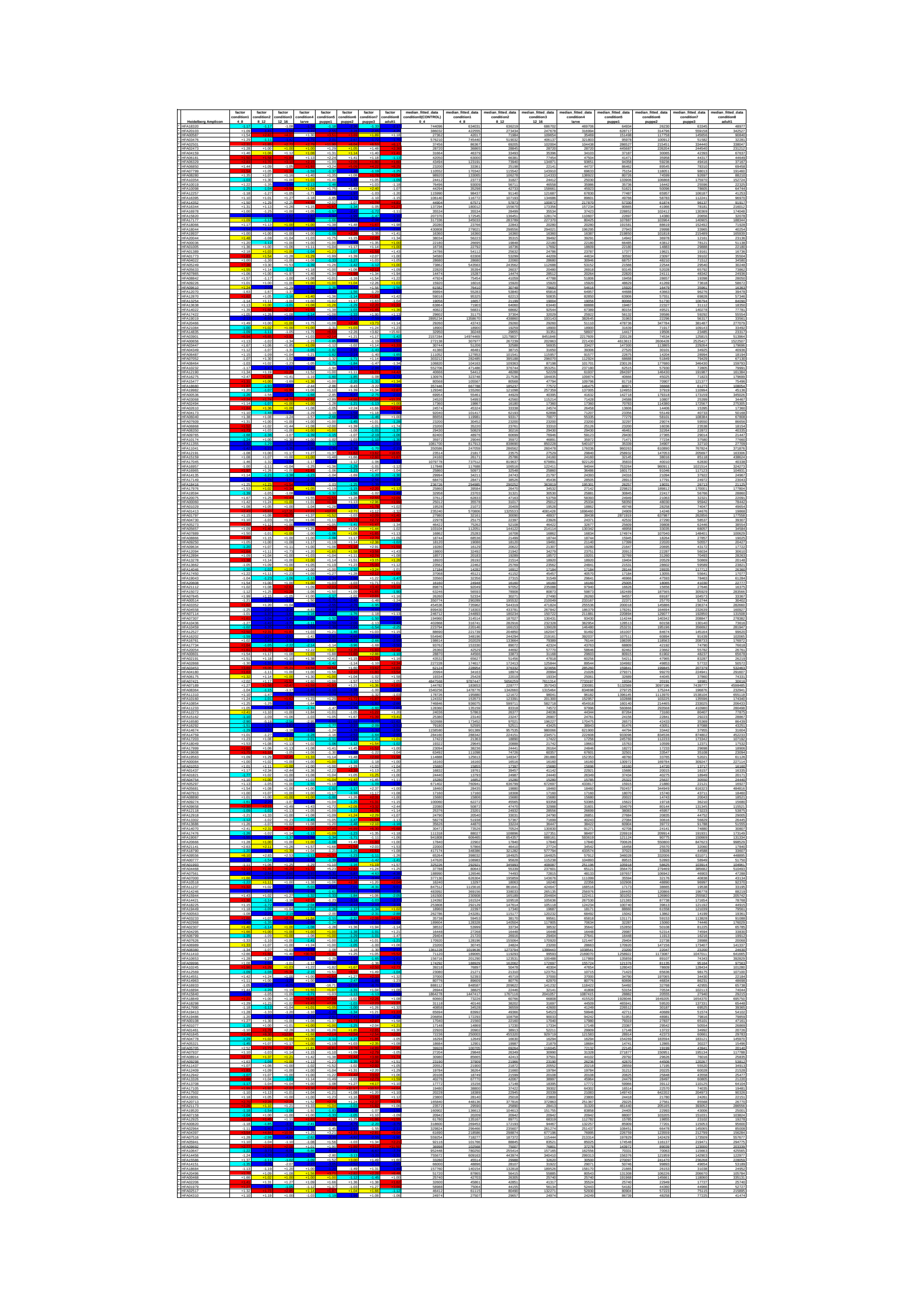




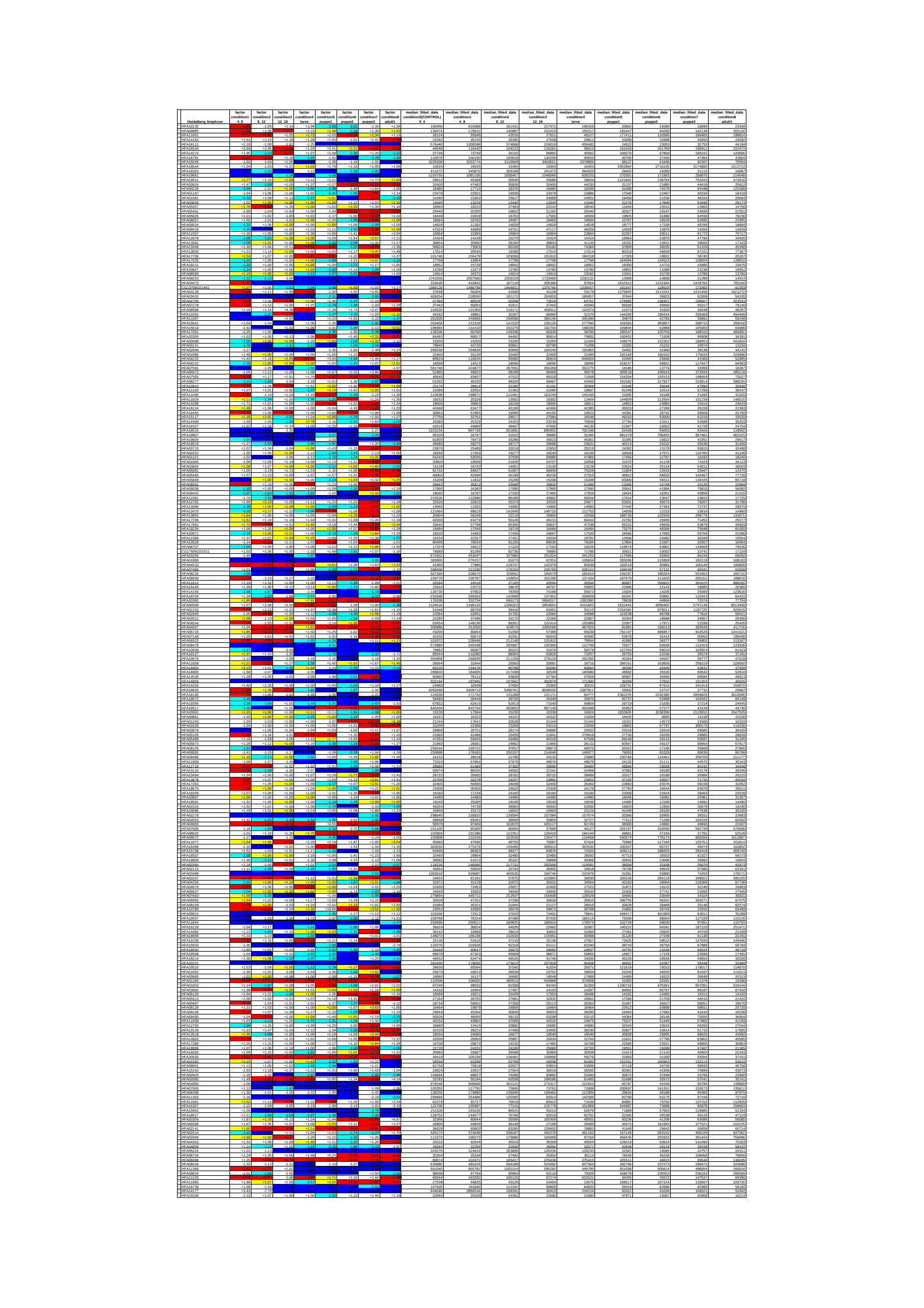


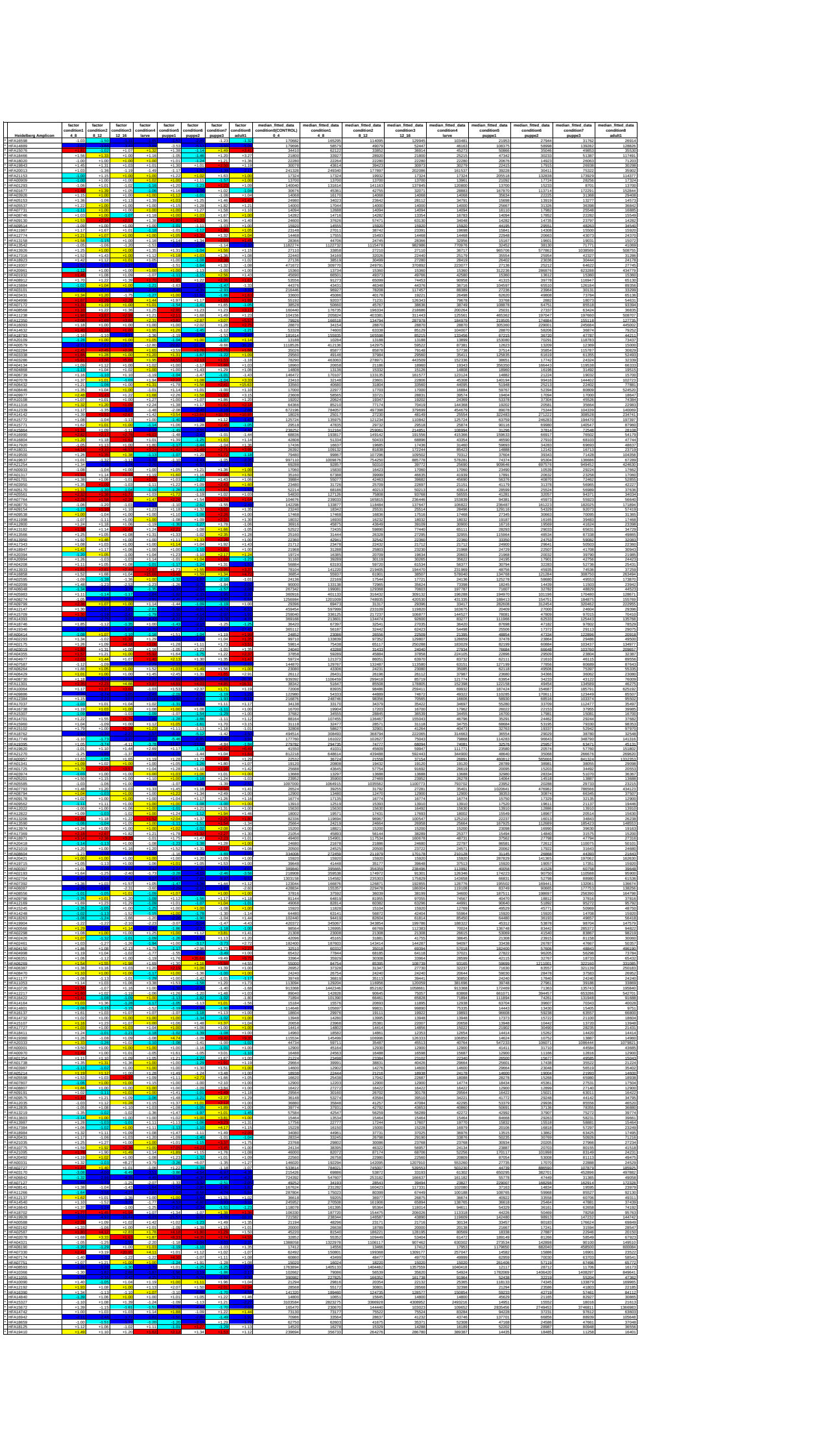


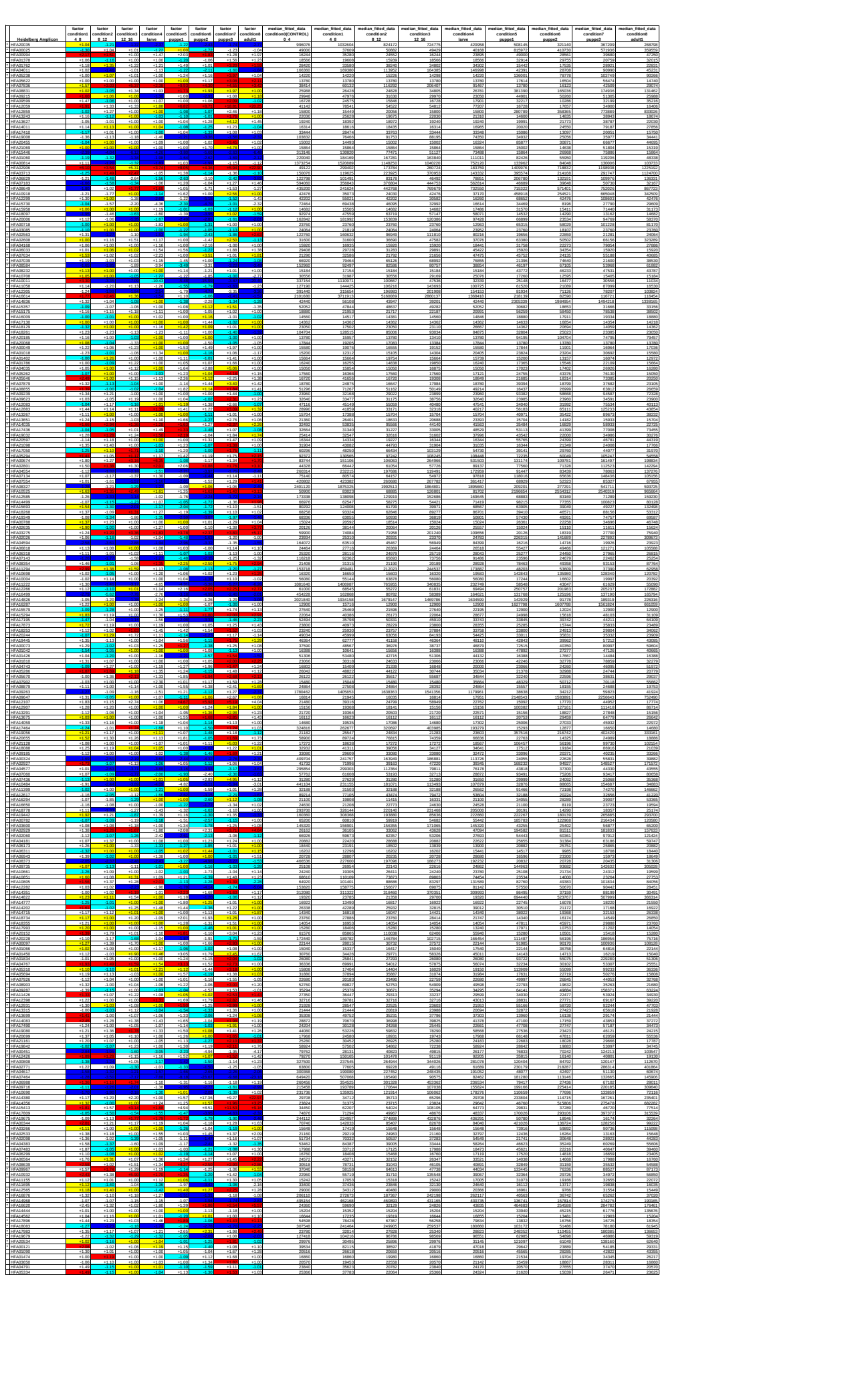


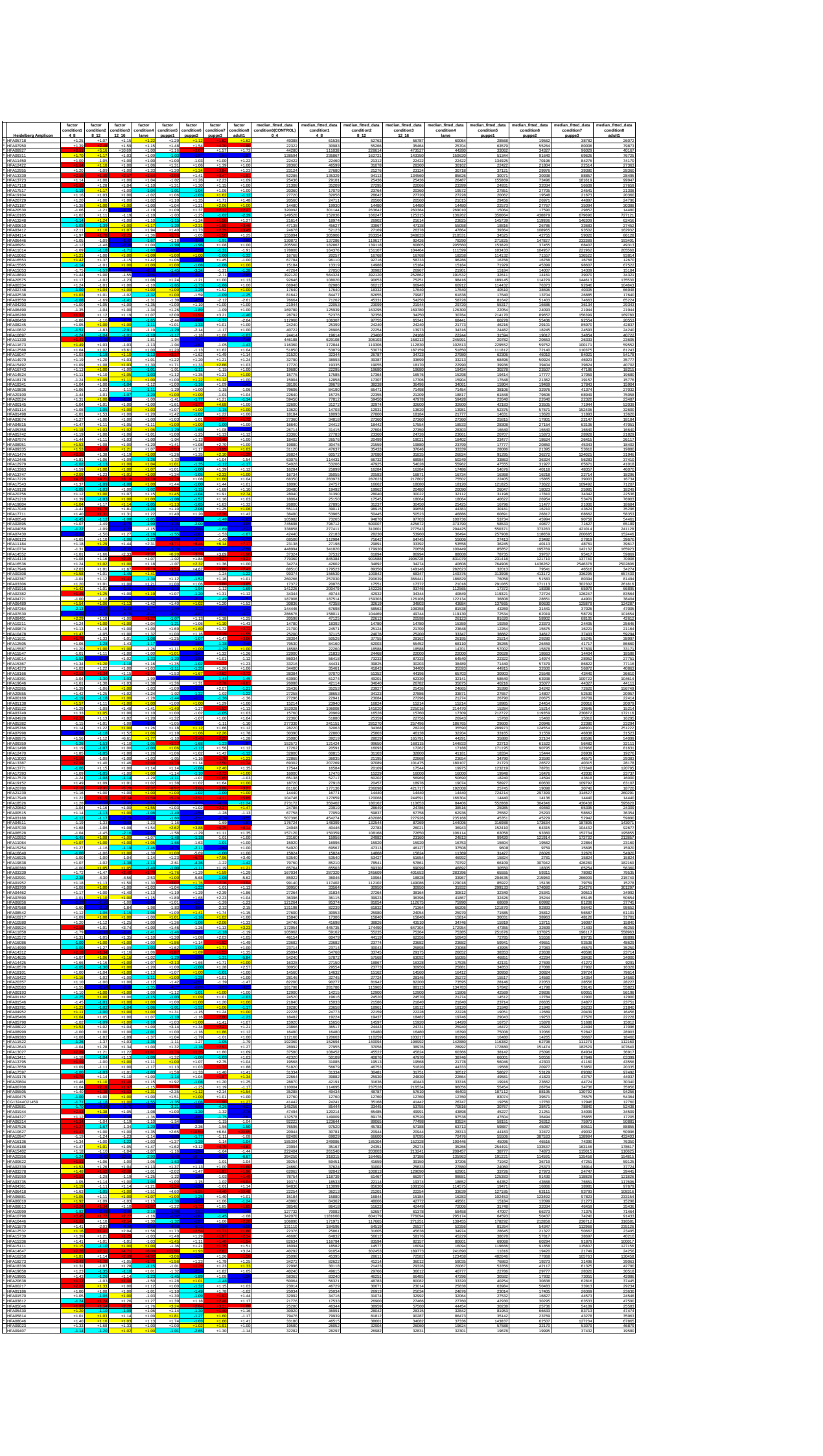


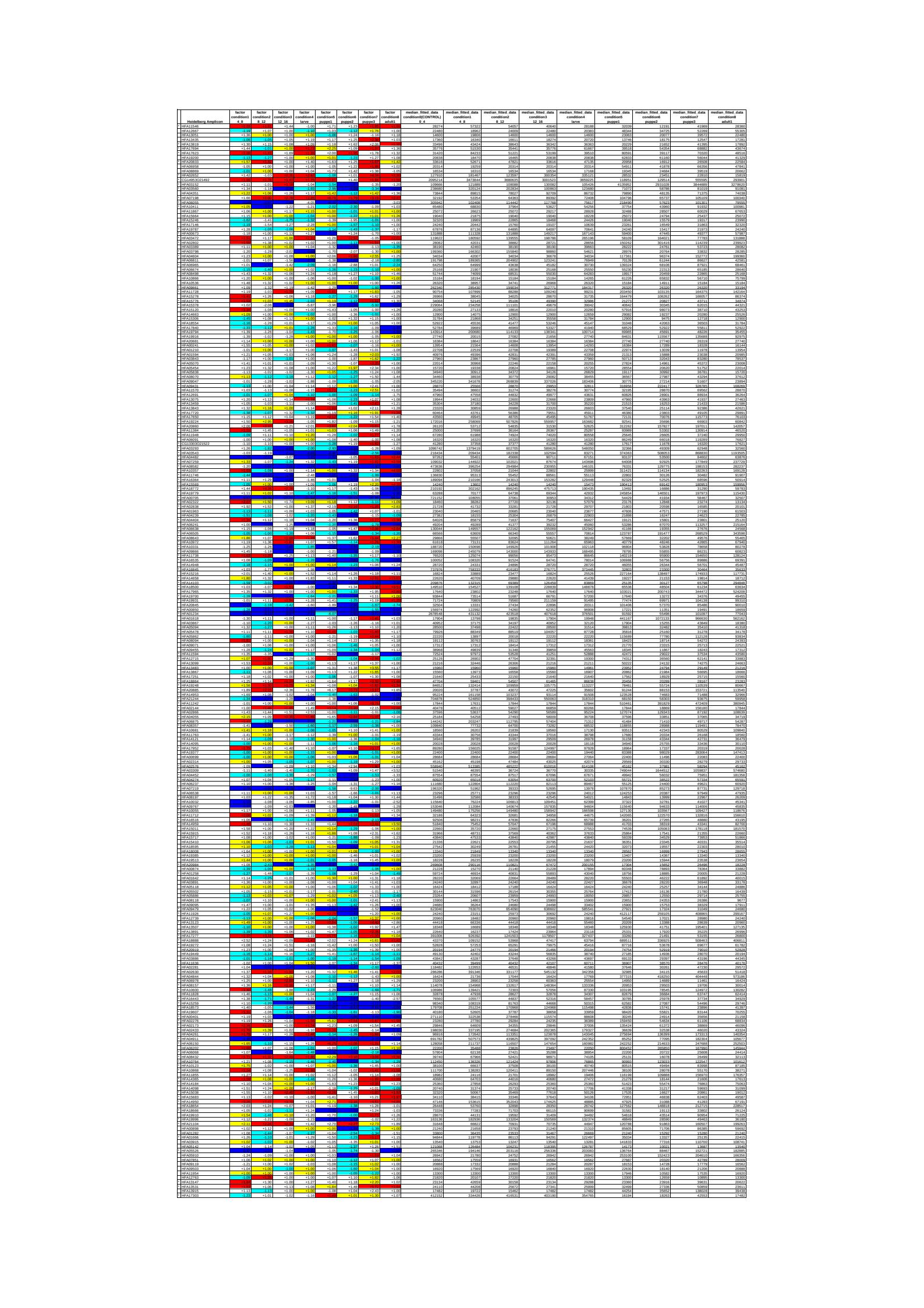
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA06828	+1.00	+1.08	-1.11	+1.03	-1.45	-1.69	-1.22	-1.86	141644	142114	153088	128104	145584	21067	12581	26922	23555
*	HFA06690	+1.33	+1.01	-1.12	+1.15	-1.26	-1.86	-1.20	-1.13	56014	74745	56582	50235	64504	97797	83951	115876	76267
*	HFA06661	+4.47	+3.63	+18.64	+10.03	-1.04	+1.66	+1.39	-1.26	119968	536415	436041	2236492	1203466	44547	30186	46591	49698
*	HFA08724	-1.26	-1.33	+1.09	-1.47	-1.94	-1.06	+1.18	+2.59	106588	84365	80391	115681	72723	115514	199380	166424	95550
*	HFA11211	+13.28	+3.70	+6.57	+8.68	+31.62	+7.74	+4.43	+1.23	27908	370592	103192	183360	242355	54895	100988	125893	276327
*	HFA10622	-1.31	-2.05	-3.49	-3.34	-3.21	-5.69	-3.42	-4.77	383494	291971	187386	109847	114947	882445	215942	123634	34381
	HFA09992	+1.14	+1.01	+1.00	+1.19	+1.08	-1.51	-1.05	-1.27	38544	43770	38779	38544	46035	119509	67432	112235	80437
*	HFA11768	-1.20	-1.80	-1.50	-1.40	-1.86	-2.25	-1.17	-2.51	155040	129309	86197	103390	110511	41758	25603	36714	30365
*	HFA12558	-1.14	-1.07	+1.00	-5.14	+3.34	+4.40	+3.31	+10.47	21380	18802	19986	21380	4163	83188	68856	132257	61747
*	HFA14556	-1.20	-1.70	-2.56	-1.21	-2.54	-3.47	-1.77	-2.99	128442	106755	75487	50114	106249	71480	94061	70874	223834
*	HFA16374	+3.11	+2.94	+1.75	-1.74	-1.37	-2.62	-1.06	+1.17	186620	581111	548223	325735	107195	50588	37004	72649	42914
*	HFA16648	+2.62	-1.91	-3.84	-3.74	-4.92	-6.53	-5.62	-12.31	628166	1646843	329177	163742	167843	136098	71199	176799	219267
	HFA15904	+1.46	+1.04	+1.40	+1.38	-1.07	-2.32	-1.18	+1.52	25280	37004	26184	35518	34824	127561	96185	111786	51040
*	HFA15667	+1.45	-1.01	+1.00	+1.04	+1.04	-1.28	+1.76	+1.04	33770	49087	33378	33770	35058	23644	10914	21466	38370
*	HFA18648	+1.76	-1.08	+1.03	-1.11	+1.12	-1.37	+1.99	+1.61	28138	49579	26083	28881	25337	34957	26340	59334	35013
	HFA18080	-1.00	+1.22	+1.00	+1.15	+1.19	-1.28	+1.14	+1.02	18594	18594	22693	18594	21304	31585	20567	56068	45398
*	HFA18158	+2.20	+1.35	+1.46	+1.48	+1.41	+1.18	+1.70	+1.09	44224	97133	59681	64430	65605	22212	14573	21130	18985
*	HFA19682	-1.20	-1.34	-1.55	-1.47	-1.41	-2.62	-1.11	-1.88	124374	103823	92852	80346	84491	62455	52357	75118	48275
*	HFA20559	-1.08	-2.51	-2.97	-4.87	-5.44	-8.82	-3.35	-6.00	401486	372687	159709	135050	82362	88514	47513	112039	66084
	HFA00132	+1.00	+1.05	+1.00	+1.00	-1.03	-1.19	-1.04	+1.00	16894	16894	17763	16894	16894	73852	45513	119918	66886
*	HFA01101	+1.98	+22.35	+1.00	-1.66	-2.43	-3.49	-1.72	-2.24	56114	110979	1254377	56114	33794	16369	14227	16178	16894
	HFA01485	+1.00	+1.07	+1.00	+1.00	-1.35	+1.55	+2.72	+1.10	17560	17560	18802	17560	17560	23045	16072	32544	25056
	HFA03661	+1.00	+1.00	+1.00	+1.00	+1.06	-1.06	+1.51	-1.01	21440	21489	21440	21440	21440	12985	27158	47691	19382
	HFA04802	+1.73	-1.14	-1.01	+1.10	-1.04	-1.22	+1.49	+1.11	31214	53846	27436	31058	34490	22701	20146	32470	21179
*	HFA05345	-1.04	-1.24	-1.42	-1.61	+1.34	+1.41	+1.25	-1.50	1885680	1805040	1524266	1330060	1171720	30120	25655	46384	34557
*	HFA05729	+1.87	+1.15	+1.19	+1.19	+1.44	+1.18	+3.08	+1.42	21800	40693	25106	25987	25953	2519324	2665646	2365546	1260990
	HFA07961	-1.32	-1.09	+1.00	-1.20	+1.07	-1.38	+1.21	-1.02	31560	23984	29049	31560	26307	31456	25828	67151	31063
	HFA08938	+1.35	+1.00	+1.00	+1.00	+1.01	+1.21	+2.32	+1.07	16040	21727	16040	16040	16040	33790	22879	38305	31045
*	HFA09322	+1.27	+2.11	+1.90	+1.44	+1.16	+3.21	+2.19	+1.33	19756	25130	41709	37506	28369	16263	19473	37219	17157
	HFA11461	+1.16	+1.00	+1.00	+1.00	+1.02	+1.06	+1.25	+1.00	18008	20828	18008	18008	18008	22973	63400	43353	26261
*	HFA12433	+2.81	+1.21	-1.03	+1.66	+1.27	+1.30	+1.44	+1.20	30440	85516	36893	29580	50578	18357	19012	22538	18008
*	HFA12966	+1.73	+1.27	+1.03	+1.47	+1.83	+2.40	+3.33	+2.16	35314	61001	44783	36490	51770	38618	39567	43898	36475
*	HFA13350	+1.17	-1.02	-1.00	+1.07	+1.37	+1.10	+4.02	+1.64	34040	39882	33337	33947	36454	64652	84883	117572	76143
*	HFA13734	+1.68	+1.02	+1.00	+1.14	+1.00	+1.31	+1.80	+1.00	31794	53294	32570	31794	36226	46479	37518	136902	55686
	HFA17181	+1.03	+1.00	+1.00	+1.00	+1.63	+2.37	+2.09	+1.00	15200	15619	15200	15200	15200	31794	41745	57248	31794
	HFA17529	+1.12	+1.17	+1.00	+1.06	+1.08	+1.27	+1.57	+1.22	15920	17764	18617	15920	16832	24734	36032	31814	15200
*	HFA19115	-2.02	-2.31	-2.85	-1.87	+1.00	-6.38	-2.33	-5.12	106884	52798	46202	37514	57209	17248	20163	24934	19480
*	HFA20741	+1.90	+3.77	+2.08	+1.69	+3.00	+1.83	+2.65	+2.56	26458	50256	99624	54997	44611	107240	16762	45839	20870
	HFA21197	+1.02	+1.00	+1.00	+1.00	-1.03	-1.67	+1.15	+1.00	19416	19899	19416	19416	19416	79329	48485	70166	67803
*	HFA00059	+1.06	-1.13	+1.00	+1.04	+1.00	-1.31	+1.81	+1.05	45362	48230	40059	45362	47144	18880	11610	22267	19416
	HFA16943	+1.00	+1.00	+1.00	+1.14	+1.00	-1.01	+1.09	+1.00	15174	15174	15174	15174	17255	45362	34583	81904	47669
*	HFA13724	-1.55	-2.86	-1.49	-3.54	-4.01	-3.57	-1.27	-6.59	101694	65765	35533	68113	28753	15250	15021	16527	15174
*	HFA00712	-1.10	-1.16	-1.05	+1.15	+1.37	+1.65	+2.29	+4.44	47064	42617	40670	44775	54280	25339	28478	79985	15429
*	HFA02843	-1.07	-1.61	-1.57	-1.47	-3.02	-2.94	-2.53	-2.69	574628	534629	356362	366847	392030	64581	77651	107867	208968
*	HFA04572	+1.45	+1.36	+2.19	+1.73	+6.64	+7.94	+6.14	+6.80	24750	35764	33699	54256	42804	190175	195450	226750	213767
*	HFA05028	+1.00	+1.13	+1.53	-1.13	-1.45	-1.18	+1.69	-1.10	105680	105949	119138	161536	93924	164393	196426	151957	168203
*	HFA06917	-1.01	-1.28	-1.03	-1.24	-1.27	-3.19	-2.49	-2.21	140420	139557	109411	136239	112897	72642	89259	178125	96501
*	HFA11000	-1.02	-1.40	-3.64	-4.43	-4.44	-7.47	-4.73	-6.47	571626	559050	408682	157072	129073	110498	44069	56311	63631
*	HFA10047	-1.13	+1.08	+1.68	-1.17	-1.24	-1.82	+1.19	-1.33	169688	150480	183582	285465	144683	128684	76482	120843	88340
*	HFA16491	+1.64	-1.07	-1.44	+1.88	+1.09	-2.38	-2.33	-3.61	694608	1136489	650217	482515	1302413	137281	93149	201634	127927
*	HFA15129	+1.14	-1.12	+1.11	-1.02	+1.00	-1.03	+2.84	+1.28	27280	31205	24290	30232	26708	756777	292106	298050	192462
*	HFA16346	-1.17	-1.60	+1.18	+1.85	+1.04	+1.25	+2.14	+2.88	87406	74548	54690	103287	161282	27280	26381	77571	34822
	HFA17822	+1.50	+1.32	-1.01	+1.30	-1.53	+1.13	+1.13	+1.64	56120	83947	74358	55727	72748	91304	109430	187426	251462
*	HFA20691	-1.71	+1.00	-3.29	-2.53	-1.73	-2.26	-2.02	-3.98	175912	102653	175912	53526	69512	36764	63266	63241	91867
*	HFA03115	+2.92	+1.94	+1.78	+23.68	+4.71	+1.50	-1.03	+5.56	58840	171575	114363	104490	1393489	101831	77690	86875	44198
*	HFA02744	-1.18	-1.10	-1.26	-1.20	-1.72	-2.26	-1.51	-1.16	153972	130406	140222	121850	128216	277199	88429	57245	327303
	HFA02649	+1.45	-1.11	-1.07	+1.14	+1.00	-1.34	+1.01	+1.00	21960	31814	19858	20456	25010	89468	68041	101695	132433
	HFA03616	+1.17	+1.00	+1.00	+1.00	+1.00	+1.30	+1.13	+7.04	15640	18250	15640	15640	15640	21960	16380	22280	21960
*	HFA04682	-1.26	-1.26	-1.03	-1.54	-1.11	-1.10	+1.06	-2.16	1408680	1118338	1116632	1367663	913252	15640	20302	17612	110048
	HFA07456	+1.08	-1.11	-1.16	+1.11	+1.00	-1.13	-1.06	-1.16	56760	61028	51176	49076	63195	1265724	1279241	1496712	650732
	HFA06141	+1.01	+1.00	+1.00	+1.00	+1.00	-1.24	+1.01	+1.10	18384	18619	18384	18384	18384	56760	50405	53549	48994
*	HFA06994	-1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+1.01	+1.74	34940	34940	34940	34940	34940	18476	14781	18651	20241
	HFA08523	+1.16	+1.00	-1.01	-1.07	+1.00	-1.02	-1.01	-1.31	32232	37361	32232	31978	30239	34940	34940	35448	60699
	HFA09706	-1.08	-1.21	+1.00	+1.01	+1.00	-1.50	-1.06	-1.25	35272	32654	29044	35272	35639	32232	31665	31859	24561
	HFA10889	+1.04	-1.01	+1.22	-1.02	+1.16	+1.26	+1.43	+1.58	28694	29918	28502	35077	28144	35272	23544	33240	28328
*	HFA09958	+1.54	+1.40	+1.49	+1.54	+1.55	-1.15	+3.63	+6.87	33094	50802	46329	49261	50933	33298	36084	40954	45349
*	HFA11663	-1.06	-2.33	-4.53	-3.22	-4.48	-9.53	-4.28	-9.82	197090	186611	84666	43530	61278	51324	28900	119988	227352
*	HFA12578	+1.03	+1.13	+1.08	-1.15	+3.20	+4.42	+5.68	+6.66	38046	39106	43087	40959	33144	43991	20681	46070	20080
*	HFA16059	+1.26	-1.05	-1.59	-1.02	-1.42	-2.61	-1.75	-2.14	72856	91501	69611	45860	71376	121776	168339	215934	253253
*	HFA16173	+2.22	+1.16	-1.36	-1.52	-3.34	-3.33	-1.27	-3.19	59372	131947	68660	43575	38978	51254	27897	41731	33978
	HFA15261	+1.26	-1.16	+1.00	+1.13	-1.35	-1.59	-1.13	-1.05	23960	30294	20578	23960	26986	17754	17837	46632	18629
*	HFA15857	+1.13	+1.20	+1.04	-1.21	-1.41	-2.09	-1.12	-1.22	58194	66029	69975	60249	48079	17752	15109	21142	22828
*	HFA16949	+2.08	+1.56	+1.25	-1.51	-1.05	-1.80	+1.41	-1.41	93136	193361	145088	116316	61574	41363	27826	52191	47592
	HFA18641	+1.07	+1.00	+1.00	+1.00	+1.00	-1.13	+1.62	+1.11	13120	14093	13120	13120	13120	88836	51755	130917	65934
*	HFA18337	+1.34	+1.11	-1.12	+1.37	+1.22	-1.04	+2.15	+1.11	31904	42818	35272	28576	43853	13120	11637	21308	14501
	HFA19651	+1.33	+1.13	+1.07	+1.16	+1.22	-1.16	+1.65	+1.15	32840	43602	37123	35194	38228	39011	30605	68613	35561
*	HFA20140	-1.25	-1.25	+1.42	-1.13	-1.45	+1.39	+2.49	+3.02	145136	116302	116204	206134	128007	39906	28403	54303	37685
*	HFA20479	+1.04	-1.06	-1.14	+1.15	+1.27	-1.53	+2.26	+1.20	25472	26611	23987	22287	29276	100245	201625	361719	437832
*	HFA00156	+1.13	-1.06	+1.39	+1.57	+1.32	+1.36	+2.84	+2.45	27612	31123	26057	38335	43319	32313	16634	57524	30537
	HFA01125	-1.38	+1.22	+1.00	+1.04	-1.01	-1.09	+1.68	-1.06	16380	11882	19917	16380	16970	36442	37524	78434	67734
*	HFA01509	-1.45	+1.11	+1.00	+1.00	+1.65	+1.72	+3.60	+2.06	20056	13832	22184	20056	20056	16146	15014	27493	15390
	HFA03685	+1.26	+1.13	+1.00	+1.12	-1.04	+1.06	+1.96	+1.00	16936	21316	19109	16936	18972	33111	34417	72211	41393
	HFA04826	+1.09	+1.02	+1.00	+1.00	+1.01	+1.27	+1.74	+1.00	15088	16420	15340	15088	15088	16297	17930	33134	16936
*	HFA05369	+5.38	+2.78	+2.54	+1.38	+2.73	+2.31	+3.51	+2.56	65658	353158	182317	166739	90800	15279	19184	26207	15088
	HFA05753	-1.04	+1.09	+1.00	+1.00	+2.10	+1.84	+2.18	+2.03	20562	19700	22356	20579	20562	179287	151694	230181	168256
	HFA07985	-1.03	+1.31	+1.18	+1.00	+1.48	+1.11	+2.32	+1.88	18240	17789	23825	21607	18240	43132	37893	44883	41700
*	HFA08962	+1.40	+1.13	+1.18	+1.06	+1.32	+1.11	+2.29	+1.39	36614	51173	41463	43082	38696	27085	20228	42231	34360
*	HFA09346	-1.01	-1.15	-1.06	-1.57	-2.14	-2.32	+1.17	-1.82	96452	95579	83659	91412	61583	48504	40679	83952	51033
	HFA11485	+1.00	+1.10	+1.00	+1.00	+1.01	-1.12	+2.37	-1.01	18480	18510	20301	18480	18480	45096	41508	112994	52987
*	HFA12457	+1.47	-1.10	-1.01	+1.11	+1.42	+1.10	+2.94	+1.28	21840	32082	19810	21716	24351	18651	16568	43731	18297
*	HFA12990	+1.10	+1.13	+1.00	+1.06	+1.02	+1.23	+3.74	+1.01	23034	25333	25996	23034	24391	31090	24014	64279	27876
*	HFA13374	+1.72	+1.06	+1.00	+1.35	+1.28	-1.02	+2.33	+1.27	24750	42457	26291	24750	33357	23461	28330	86232	23366
*	HFA13758	+1.61	+1.12	+1.00	+1.31	+1.72	+1.08	+2.48	+1.32	28542	46075	31888	28542	37487	31611	24262	57580	31345
*	HFA17249	+1.68	-1.23	-1.06	-1.06	-1.00	-1.12	+1.63	-1.47	65334	109470	53148	61494	61378	49196	30866	70867	37785
*	HFA17555	+1.05	-1.17	-1.06	-1.25	-1.10	-2.15	-1.13	-1.25	79916	83645	68428	75521	63976	65104	58245	106656	44332
*	HFA19139	-1.01	+1.01	+1.10	+1.03	+1.44	-1.06	+1.56	-1.09	72496	72089	73343	79495	74720	72875	37139	70547	64040
*	HFA20767	+2.04	+1.55	+1.75	+1.37	+1.87	+1.19	+1.75	+1.54	46062	93768	71575	80574	63188	104081	68255	113049	66680
	HFA21225	-1.18	+1.11	+1.00	+1.00	+1.01	-1.17	+3.64	+1.00	17440	14758	19336	17440	17440	86033	54934	80538	70974
*	HFA06319	-1.13	+1.02	+1.05	+1.02	-1.03	-1.68	+1.09	-1.60	475842	419860	486748	500550	487704	17527	14954	63485	17440
*	HFA17163	-1.81	-1.19	+1.00	-4.35	-1.91	-1.94	-1.73	-3.31	100884	55745	84681	100884	23208	463699	283294	520577	297255
*	HFA18911	+1.50	+1.35	+1.09	+1.39	+1.20	+1.14	+1.71	-1.02	39560	59259	53474	43196	54796	52849	52093	58355	30435
*	HFA00630	+1.26	-1.14	+1.08	+1.15	-1.72	-1.44	+1.00	+1.13	112412	141431	98722	121817	128916	47327	45122	67522	38825
*	HFA02867	+1.37	-1.19	-1.61	-1.07	-1.02	-1.38	-1.11	+1.60	86992	118855	72837	53974	81155	65546	77868	112536	127012
*	HFA04294	+2.77	+1.20	+2.81	+1.48	-1.07	-1.14	+1.45	+4.07	36186	100183	43288	101838	53429	85537	62934	78398	138791
*	HFA06132	-1.16	-1.19	+1.06	-1.31	+1.34	-1.34	+1.33	+1.47	666682	575088	560802	708058	510799	33712	31683	52438	147147
*	HFA06936	-1.20	-1.44	-1.30	-1.76	-1.30	-2.11	-1.59	-1.27	549128	456162	382511	421286	311178	896141	497226	884482	977987
*	HFA09677	-1.52	-3.11	-3.59	-2.90	-2.54	-4.28	-2.71	-2.70	443496	290837	142762	123486	152928	422078	260802	344755	431866
*	HFA10084	+1.01	-1.33	-1.30	-1.23	-1.89	-2.96	-1.41	-1.89	111272	112071	83516	85421	90251	174769	103627	163564	164108
	HFA16943	-1.33	-1.52	-1.07	-1.27	-1.22	-1.75	-1.03	-1.97	33840	25371	22256	31672	26702	58863	37593	78823	58895
*	HFA14267	+3.57	+1.61	+1.23	+1.54	+1.00	+4.93	+1.81	+4.61	32480	116013	52168	39807	49999	27641	19350	32889	17145
	HFA16541	+1.18	+1.00	+1.00	-1.01	-1.67	-1.10	-1.66	+1.31	16654	19656	16654	16654	16530	32642	159987	58921	149815
*	HFA17733	+1.15	-1.29	+1.29	+1.24	-1.03	-2.19	-1.27	-1.27	120352	137857	93568	155408	148736	10001	15098	10040	21779
*	HFA00623	+1.21	-1.27	-1.90	-1.55	-2.78	-3.16	-1.66	-2.82	258378	312704	203717	135910	166674	116313	54934	94441	94618
*	HFA02360	+1.13	+3.15	+8.13	+2.95	+3.81	+12.11	+10.04	+17.23	67816	76801	213848	551013	200396	93046	81752	155939	91534
*	HFA03323	-2.32	-1.93	-2.11	-2.52	-1.75	-2.33	-1.82	-1.50	309800	133395	160391	146587	122844	258437	821410	681051	1168560
	HFA02484	+1.19	+1.14	+1.00	+1.01	-1.12	-1.07	-1.09	+1.07	15400	18266	17557	15400	15567	177402	133239	170143	205880
*	HFA03111	+1.53	+1.40	+1.05	+1.33	+1.88	+8.36	+4.18	+3.78	34742	53061	48515	36439	46121	13715	14435	14191	16472
*	HFA04516	+1.71	+1.00	+1.38	+1.66	+1.13	+1.08	+1.26	+1.74	33094	56632	33255	45811	54859	65167	290412	145357	131368
*	HFA07669	+2.46	+1.18	-1.80	-2.11	-2.10	-4.46	-1.72	-5.09	101440	249528	120011	56285	48142	37235	35592	41742	57460
*	HFA07520	+1.09	-1.28	+1.42	+1.31	-1.06	+2.23	+3.51	+6.39	200180	218222	156561	283282	262510	48267	22728	58890	19948
*	HFA06457	+1.63	+1.24	+1.01	+1.65	+1.06	+1.09	+1.45	+3.32	24720	40280	30707	25009	40743	188625	447093	701816	1280098
*	HFA08226	+1.28	-1.06	+1.00	+1.11	+1.85	+1.06	+1.39	+3.63	22844	29146	21519	22844	25423	26191	26829	35870	81958
	HFA10332	+1.12	-1.01	-1.02	-1.30	+1.17	-1.77	-1.27	-1.22	513454	574171	509738	505814	396060	42163	24215	31687	82992
*	HFA10835	-1.27	-1.79	-1.26	-1.68	-1.94	-1.45	-1.40	+1.13	134694	106466	75146	106985	80163	600326	290017	405709	421026
*	HFA09950	+1.40	+1.12	+3.79	+1.12	+14.07	+3.86	+26.16	+4.21	28960	40427	32342	109842	32492	69452	92851	96060	152564
	HFA11688	+1.66	+1.01	+1.04	-1.83	+1.59	+1.50	+2.03	+1.72	22004	36454	22219	22923	12028	407611	111644	757601	121810
*	HFA12603	+2.24	+1.55	-1.07	-2.31	-1.38	-1.84	+1.07	-1.22	45118	101022	70113	42021	19517	34984	32949	44766	37910
	HFA14918	+1.12	+1.05	-1.04	+1.03	+1.14	+1.15	+1.36	+1.00	25864	29072	27120	24751	26700	32716	24541	48406	36911
	HFA14988	+1.03	+1.00	+1.00	+1.16	-1.13	-1.78	+1.38	-1.05	23200	23827	23200	23200	26829	29576	29699	35111	25886
*	HFA14340	+1.06	-2.14	-2.21	-2.00	-2.29	-2.59	-1.35	-1.70	183174	193298	85402	82703	91443	20591	13046	31986	22086
	HFA14624	+1.00	+1.22	+1.00	+1.03	+1.00	-1.30	+1.35	+1.23	18244	18244	22321	18244	18767	80091	70644	135945	107464
	HFA14870	+1.17	+1.00	+1.00	+1.00	-1.25	-1.12	-1.19	-1.02	19400	22653	19400	19400	19400	18244	14067	24688	22376
*	HFA18630	-1.83	-1.96	-2.12	-2.79	+1.43	-1.68	-1.78	-4.82	819664	448275	417496	385883	293731	15520	17300	16236	19084
	HFA18848	+1.18	+1.00	+1.00	-1.03	-1.37	-1.13	+1.40	+1.39	15920	18765	15920	15920	15460	1168676	488574	461446	169909
*	HFA19645	+1.25	+1.08	+1.11	+1.09	+1.68	+1.43	+1.86	+3.44	24694	30968	26612	27400	27037	11617	14077	22340	22171
*	HFA20344	-1.22	-1.24	-1.21	-1.95	-1.51	-3.34	-1.85	-2.30	356236	293058	286647	293692	183108	41416	35397	45966	84931
	HFA20501	+1.03	-1.21	-1.03	-1.01	+1.38	+1.55	+1.00	+1.86	29034	29932	24030	28136	28799	235852	106813	192412	155123
	HFA00180	+1.59	-1.03	+1.00	+1.05	+1.00	+1.17	+1.39	+1.04	31960	50870	30902	31960	33456	39929	45064	29067	53968
	HFA01149	-1.34	+1.32	+1.00	+1.00	+1.04	+1.12	-1.05	+1.00	15920	11867	20938	15920	15972	31960	37395	44565	33334
*	HFA01533	+1.27	+1.00	+1.03	+1.10	+1.35	-1.35	+1.31	+1.18	260240	329535	260801	268151	285548	16586	17783	15119	15920
*	HFA03764	+2.04	+1.36	+1.00	+1.19	+1.03	+1.02	-1.01	+1.55	33000	67198	44911	33000	39367	350666	192754	340404	306750
	HFA04939	+1.17	+1.05	+1.00	+1.22	-1.02	-1.02	+1.77	+1.60	18734	21837	19737	18734	22891	34095	33652	32615	51170
*	HFA05393	-1.06	+1.23	+1.93	-1.22	+1.31	+1.07	+1.50	+1.04	130410	122570	159945	252310	106577	18407	18331	33142	29886
	HFA05777	+1.11	+1.12	+1.00	+1.06	+1.02	+1.18	+1.81	+1.19	17800	19738	19871	17800	18895	171332	139198	195674	135681
*	HFA08009	+2.28	+1.15	+1.00	-1.13	+1.04	-1.15	+2.47	-1.04	30920	70399	35593	30920	27248	18175	20921	32166	21250
	HFA08986	-1.07	+1.02	+1.00	+1.00	-1.09	-1.18	-1.13	+1.03	15760	14796	16060	15760	15760	32080	26814	76253	29802
*	HFA09370	+2.73	+1.05	+1.00	+1.81	+1.04	+1.17	+1.62	+1.29	29792	81425	31160	29792	53880	14439	13367	13890	16179
*	HFA11509	+2.80	+4.21	+11.56	+4.70	+19.17	+12.66	+12.61	+11.52	201026	562000	846388	2322911	945613	31079	34835	48141	38340
*	HFA12481	+2.41	+1.29	+1.00	-2.29	-1.96	-1.89	-1.03	-1.17	47862	115511	61798	47862	20875	3854351	2545319	2535184	2315501
*	HFA13014	+2.12	+1.14	+1.61	+1.59	+1.88	+1.05	+1.34	+1.20	74160	156988	84705	119147	117847	24408	25295	46303	40959
	HFA13398	-1.10	+1.13	+1.00	-1.05	+1.15	-1.07	+3.06	-1.08	18840	17064	21363	18840	17914	139352	78030	99125	89279
	HFA13782	+1.73	-1.00	+1.00	+1.00	+1.15	-1.01	+1.78	+1.21	21280	36910	21211	21280	21280	21745	17678	57638	17388
	HFA17515	+1.14	+1.44	+1.01	+1.13	+1.60	+1.50	+1.12	+1.15	17520	19891	25270	17643	19806	24382	21146	37802	25725
	HFA17583	-1.27	+1.08	+1.00	+1.00	-1.02	+1.06	+1.19	+1.00	15280	11995	16474	15280	15280	27971	26308	19645	20095
*	HFA19163	-1.12	-1.69	-1.21	-1.31	-2.39	-2.38	+1.01	+1.42	49242	43840	29208	40700	37456	14919	16198	18120	15280
	HFA20791	+1.44	+1.00	+1.19	+1.07	+1.22	+1.44	+1.96	+1.28	21012	30361	21012	24923	22455	20616	20659	49951	69798
*	HFA21288	+3.69	+2.28	+1.65	+1.07	-1.08	-1.67	-1.04	-1.55	35806	131972	81762	59155	38422	25588	30154	41224	26911
	HFA04786	-1.17	-1.15	+1.00	-1.41	+1.24	-1.38	+1.01	-1.64	35274	30102	30778	35274	24970	33041	21497	34404	23031
	HFA20164	-1.10	+1.00	+1.00	+1.00	+1.01	-1.45	+2.08	+1.00	14880	13577	14880	14880	14880	43623	25539	35787	21462
*	HFA03116	-1.10	-1.25	-1.42	-1.16	-1.28	-1.93	-1.13	-1.10	82800	74991	65993	58153	71470	14954	10227	30986	14880
*	HFA02009	+1.21	+1.10	+1.64	+2.19	+1.08	+1.11	+1.69	+4.79	43222	52226	47409	70873	94478	64771	42949	73182	75276
*	HFA04091	-1.01	-1.74	-3.59	-2.16	-2.56	-4.76	-3.00	-3.97	480432	476800	276552	133801	222755	46678	47978	73247	206968
*	HFA05946	+1.46	+2.06	+2.08	-1.14	-1.07	-1.67	-1.38	-1.28	259330	378810	535073	540233	227675	187331	100896	160385	120887
*	HFA07610	-1.21	-1.37	-1.51	-2.19	-1.67	-4.27	-2.04	-2.91	791640	652077	576493	525766	361640	243094	155658	187810	202487
*	HFA10777	+1.12	-1.62	-1.82	-2.27	-2.53	-3.27	-2.30	-1.65	140708	158156	87023	77299	62012	475254	185478	388348	272192
*	HFA11038	+1.14	+2.16	+10.44	+2.01	+5.26	+2.99	+3.44	+8.76	100106	114422	216191	1044894	201048	55545	43078	61122	85526
	HFA15204	+1.42	-1.17	+1.00	+1.67	+1.00	-1.12	-1.01	+1.00	18382	26133	15737	18382	30654	526117	299360	344588	876652
*	HFA16742	+1.29	-1.08	+1.05	-1.06	-1.11	+1.21	+1.55	+2.43	101522	130638	93678	106186	95951	18474	16403	18122	18382
*	HFA14322	-1.69	-2.04	-4.55	-2.45	-4.46	-7.49	-1.93	-7.08	537706	318640	263472	118200	219759	91387	122842	157052	246277
*	HFA19601	-1.70	-3.44	-4.00	-3.27	-3.55	-6.40	-3.64	-4.25	583700	343609	169659	145776	178470	120574	71786	278111	75940
*	HFA00357	-1.64	-2.06	-2.32	-2.03	-2.34	-3.60	-2.82	-2.88	245120	149588	119269	105749	120929	164614	91230	160222	137239
*	HFA02660	-2.12	-1.83	-3.04	-1.48	-1.54	-4.76	-1.33	-4.31	111010	52354	60531	36507	74811	104630	68087	86796	84970
	HFA02231	-1.04	+1.00	+1.10	+1.00	-1.34	-1.51	-1.18	+1.05	22160	21385	22160	24316	22160	72246	23335	83457	25773
*	HFA01934	+1.17	+1.00	-1.08	-1.16	+1.00	-3.51	+1.18	-1.50	54604	64047	54604	50583	47037	16596	14717	18773	23247
	HFA03698	-1.24	-1.08	-1.00	-1.14	+1.00	-1.63	+1.21	-1.84	28870	23287	26743	28797	25228	54604	15536	64260	36492
*	HFA04623	+1.00	+1.02	+1.00	+1.87	+1.00	+3.67	+3.82	+13.51	33872	33909	34395	33872	63499	28870	17698	34815	15720
*	HFA07118	+1.02	+1.02	+1.00	-1.03	+1.00	-1.60	-1.01	+1.00	73140	74431	74798	73140	71024	33872	124227	129407	457503
*	HFA07480	+2.30	+2.12	+2.74	+1.10	-1.31	-1.59	+1.35	+1.17	46636	107388	99036	127646	51351	73506	45572	72106	73140
	HFA06913	+1.10	+1.00	+1.00	+2.04	+1.00	-1.29	+1.01	-1.28	23568	25923	23568	23568	47963	35662	29419	62782	54619
*	HFA08297	+3.14	+2.98	+8.29	+3.61	+1.00	+3.48	+1.01	+9.51	26916	84439	80158	223005	97206	23568	18276	23911	18355
	HFA11016	+1.15	+1.12	+1.81	+1.50	+1.21	-1.34	+1.66	+1.25	54728	62918	61087	99300	82001	26916	93776	27308	255936
*	HFA10575	+1.02	+1.00	+1.13	-1.05	+1.16	-1.10	+1.61	+1.82	37080	37666	37080	41945	35269	66237	40909	90941	68513
*	HFA09941	+1.75	+1.06	+1.86	+1.21	+1.01	-1.01	+2.03	+1.39	30724	53920	32558	57171	37244	42933	33777	59615	67542
*	HFA11682	+1.23	-1.43	-1.51	-1.65	-1.42	-2.46	-1.21	-1.78	106230	130536	74136	70362	64537	30917	30398	62350	42834
	HFA12512	+1.23	+1.21	+1.00	-1.05	-1.20	+1.55	+1.33	+1.00	18260	22414	22050	18260	17321	74550	43145	87844	59814
*	HFA15649	+1.47	-1.54	-2.89	-1.53	-2.71	-2.84	-2.69	-3.30	359292	529826	233038	124470	235401	15257	28305	24371	18260
	HFA14995	+1.51	+1.00	+1.00	+1.00	+1.07	+1.35	+1.01	+1.53	17172	25854	17172	17172	17172	132753	126536	133701	108848
	HFA15192	+1.11	+1.12	+1.00	+1.05	-1.08	+1.56	+1.39	+2.13	20680	22894	23173	20680	21814	18317	23221	17418	26190
*	HFA16618	+1.11	-2.57	-4.52	-4.16	-7.72	-16.46	-3.55	-7.18	170914	189608	66500	37815	41116	19156	32183	28695	44071
*	HFA14859	+1.72	+1.12	+1.15	+1.28	+1.09	-1.13	+1.13	+1.24	74384	127874	83515	85739	95140	22141	10386	48089	23799
*	HFA18606	+1.97	+1.15	+1.14	+1.31	+1.77	+1.47	+1.82	+1.43	46352	91545	53346	52879	60762	80825	65977	83843	92489
*	HFA18700	-1.14	-1.37	-1.75	-1.77	-2.76	-3.49	-1.40	-2.29	94514	82866	68905	53995	53472	82180	67945	84474	66413
*	HFA19777	+1.05	-1.22	+1.00	-1.16	-1.72	+1.14	-1.62	+1.97	37986	39930	31017	37986	32818	34264	27110	67531	41306
	HFA20212	-1.40	-1.17	-1.48	-1.46	-1.29	-1.70	-1.22	-1.48	36464	26061	31115	24572	24935	22030	43372	23500	74852
	HFA20489	+1.54	+1.03	-1.03	+1.13	+1.12	-1.00	+1.72	+1.28	25160	38845	26006	24451	28352	28302	21418	29898	24593
*	HFA00204	-1.42	-1.18	-1.17	-1.72	-1.30	-2.33	-1.56	-2.01	237098	167211	200299	202260	137896	28112	25137	43175	32088
	HFA01173	-1.07	+1.14	+1.01	+1.00	+1.02	+1.28	+2.07	+1.00	13960	12991	15955	14075	13960	183026	101954	151905	117969
*	HFA01557	-1.17	+1.06	+1.00	-1.01	+1.28	-1.08	+3.24	-1.08	34318	29427	36217	34468	33891	14305	17859	28944	13960
	HFA03794	+1.17	+1.10	+1.00	-1.04	-1.15	-1.18	+1.22	-1.20	23406	27309	25782	23406	22401	43963	31888	111183	31896
	HFA05033	-1.08	-1.01	+1.00	+1.08	+1.03	+1.22	+2.52	+1.18	14880	13783	14766	14880	16005	20346	19815	28600	19528
*	HFA05417	+1.63	+1.05	+1.43	+2.02	+4.91	+4.76	+16.20	+47.20	35680	58248	37600	50978	71997	15293	18090	37505	17493
*	HFA05801	-1.00	+1.25	+1.00	+1.00	+1.14	+1.19	+3.96	+1.31	23920	23828	29811	23920	23920	175205	169959	578027	1684171
*	HFA08033	+1.34	+1.16	+1.14	-1.01	+1.22	+1.11	+3.14	+1.20	22162	29681	25801	25342	21943	27337	28583	94746	31414
*	HFA09010	-1.01	-1.18	+1.00	-1.20	-1.04	-1.55	+1.58	+1.05	57088	56729	48558	57327	47624	27081	24682	69665	26650
*	HFA09394	-1.47	-1.28	-1.14	-1.76	-1.16	-2.49	-1.19	-1.99	526080	357717	409929	462957	298129	55035	36922	90174	59876
	HFA11533	-1.15	+1.37	+1.00	+1.06	-1.07	+1.11	+1.96	+1.02	17922	15600	24628	17922	18919	454697	211436	442136	264809
*	HFA12654	+1.92	+1.23	-1.01	+1.42	+5.59	+4.43	+3.31	+1.49	26596	50977	32782	26441	37791	16802	19957	35119	18308
	HFA13038	+1.09	+1.05	+1.00	+1.06	+1.12	+1.21	+2.11	+1.18	13680	14931	14329	13680	14486	148573	117829	88050	39712
*	HFA13422	+1.55	+1.08	-1.06	+1.03	+1.45	-1.09	+4.24	+1.36	22374	34572	24078	21048	23033	15364	16572	28852	16077
	HFA13806	+1.27	-1.09	+1.00	+1.03	-1.14	+1.09	+1.90	+1.11	16336	20681	15046	16336	16851	32524	20580	94815	30447
	HFA17680	+1.20	+1.00	+1.00	+1.00	-1.01	+1.02	+2.12	+1.00	20270	24248	20270	20270	20270	14289	17825	30963	18149
*	HFA17609	+1.04	-1.27	+1.00	-1.09	-1.02	-1.87	+1.03	+1.01	62432	65030	49305	62432	57192	20077	20642	43003	20270
	HFA19187	+1.67	-1.19	+1.00	+1.00	+1.05	-1.33	+2.05	+1.27	24240	40540	20286	24240	24240	61326	33349	64122	63132
	HFA20819	+1.65	+1.66	+1.31	+1.00	+1.29	+1.33	+1.98	+1.44	17454	28731	28947	22808	17454	25374	18250	49615	30767
*	HFA04705	+2.27	+1.50	+1.01	+1.14	+1.67	+1.38	+2.26	+1.20	35404	80197	53070	35689	40402	22541	23136	34579	25206
	HFA05852	+1.25	+1.53	+1.00	+1.02	-1.04	-1.18	+1.35	-1.01	26360	32923	40267	26447	26963	59116	49007	80138	42420
	HFA03400	-1.10	-1.12	-1.19	-1.10	-1.62	-1.65	-1.16	-1.61	32952	29960	29440	27586	29954	25304	22405	35616	26048
*	Acp33AO21458	+1.07	+1.55	+1.00	+1.55	+1.32	+1.20	+2.49	+5.07	28776	30818	44745	28776	44624	20287	19912	28425	20449
*	HFA02007	-6.07	-5.84	-8.73	-9.60	-9.99	-9.81	-8.13	-13.77	2108332	347503	361173	241495	219656	38048	34548	71719	145908
*	HFA01895	+1.14	-1.19	-1.32	-1.43	-1.38	-1.92	-1.01	-2.02	177008	202244	149013	134429	123682	210956	214928	259277	153092
*	HFA04107	+2.02	+1.22	+1.62	+1.41	+1.50	+1.49	+2.03	+1.25	54534	110180	66696	88479	77143	128073	92336	174413	87804
*	HFA05956	-1.78	-2.74	-4.75	-5.50	-4.47	-5.79	-5.30	-6.55	891214	501891	325366	187670	162088	81591	81495	110556	68040
*	HFA06028	-2.79	-2.93	-2.80	-3.25	-2.61	-4.61	-1.99	-3.61	312306	111767	106745	111587	96167	199396	153956	168303	135969
*	HFA10540	+1.22	+1.03	+1.94	+1.82	-1.12	+2.48	+2.46	+5.71	67392	82185	69288	130985	122684	119771	67758	156799	86462
*	HFA10756	+3.66	+3.83	+15.80	+4.79	+3.22	+2.16	+3.98	+12.25	29500	108081	113064	466213	141299	60078	167287	166063	384916
	HFA14478	+1.16	-1.15	-1.05	-1.10	-1.50	-1.53	-1.23	+1.00	20488	23823	17847	19469	18557	95073	63704	117267	361401
*	HFA16185	-1.32	-1.79	-1.53	+1.06	-1.15	-5.81	-1.11	-1.02	163694	124213	91307	107137	173243	13639	13384	16707	20488
*	HFA17137	+1.02	-1.41	-1.70	-2.43	-1.86	-4.06	-3.75	-3.71	641850	656084	455566	377897	263675	142404	28180	147829	160624
*	HFA19883	+1.49	+1.40	+1.92	+1.59	+2.70	+1.77	+2.14	+3.48	68644	102606	95873	131794	109086	345220	158069	171081	173201
*	HFA00785	-1.16	-1.18	-1.53	-1.75	-1.06	-1.33	-1.32	-2.31	2587760	2232276	2199421	1695024	1480942	185475	121832	146844	238684
*	HFA02334	+1.55	+1.14	+1.00	+1.38	+1.38	+1.24	+1.61	+2.41	32640	50455	37355	32640	45111	2432118	1943971	1959941	1122623
	HFA03625	+1.13	-1.31	-1.09	+1.05	-1.13	-1.53	+1.12	-1.63	34960	39588	26698	31951	36661	45041	40581	52426	78674
*	HFA02478	+1.86	-1.02	+1.09	+1.52	+1.83	+1.33	+1.54	+2.29	163474	304395	160260	178837	249092	31039	22858	39225	21438
*	HFA03716	-1.19	-1.18	+1.06	-1.06	+1.06	-1.53	-1.32	+1.00	50920	42955	43136	54123	47991	298391	217329	250946	374560
*	HFA04624	+1.35	-1.47	-2.14	-1.07	+1.01	-2.11	+1.05	+1.37	554004	748263	377062	258702	515698	54185	33176	38534	51135
*	HFA07066	-1.67	-3.03	-3.97	-3.71	-3.91	-5.61	-3.60	-4.36	225862	135101	74463	56912	60820	562174	262617	579929	759223
	HFA06655	+1.17	+1.36	+1.00	+1.23	-1.09	+1.13	+2.31	+1.18	21436	25104	29157	21436	26281	57785	40233	62710	51766
	HFA06764	+1.89	+2.06	+1.13	+1.17	+1.30	-1.14	+1.23	+1.27	22916	43247	47114	25907	26815	19580	24139	49484	25233
	HFA08335	+1.56	+1.35	+1.00	+1.06	+1.38	+1.24	+1.41	+1.36	25660	40146	34755	25660	27256	29867	20077	28127	29129
	HFA10233	+1.16	+1.00	+1.00	+1.05	+1.15	+1.07	-1.00	+1.29	18094	20902	18132	18094	18933	35346	31711	36221	35007



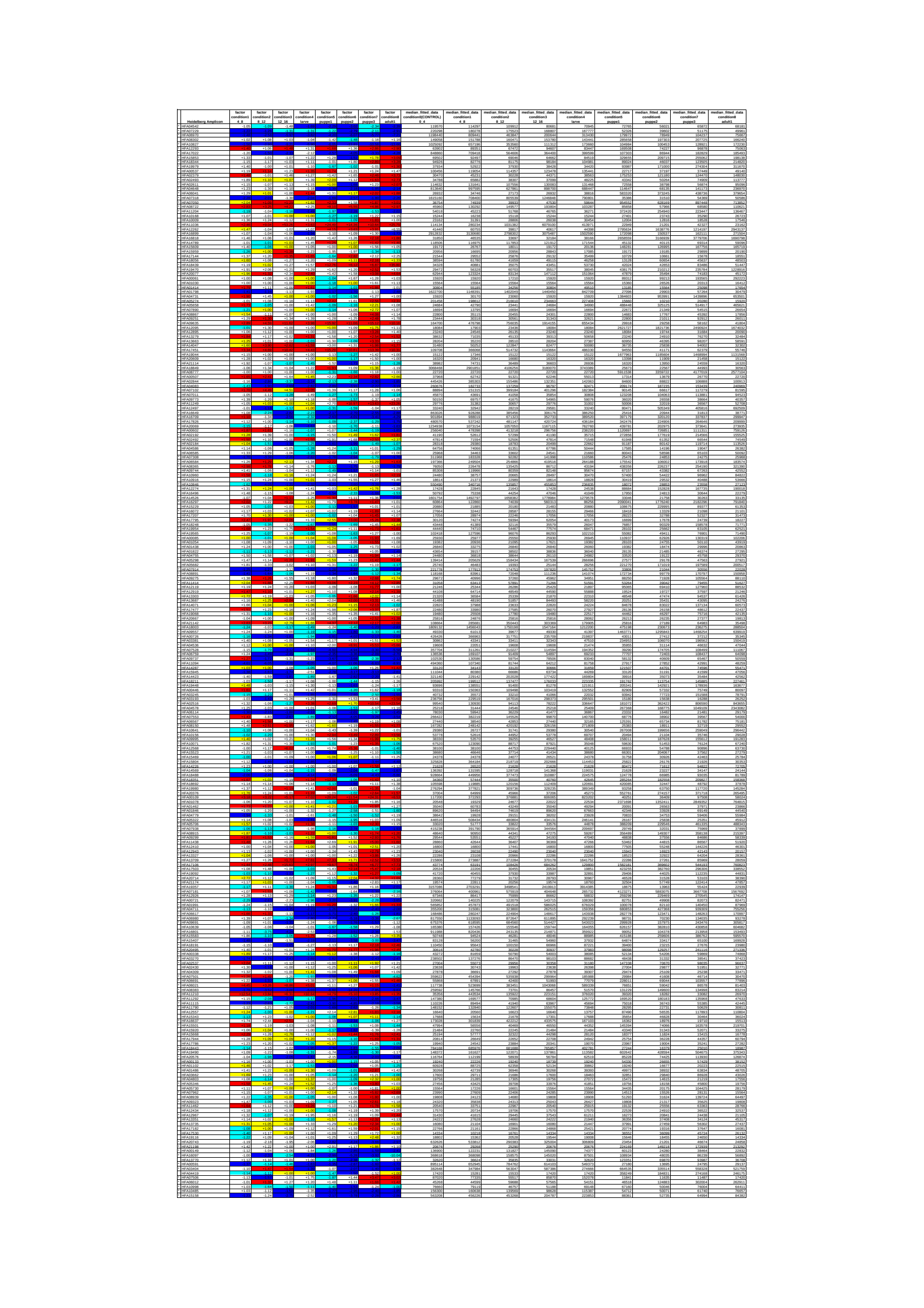


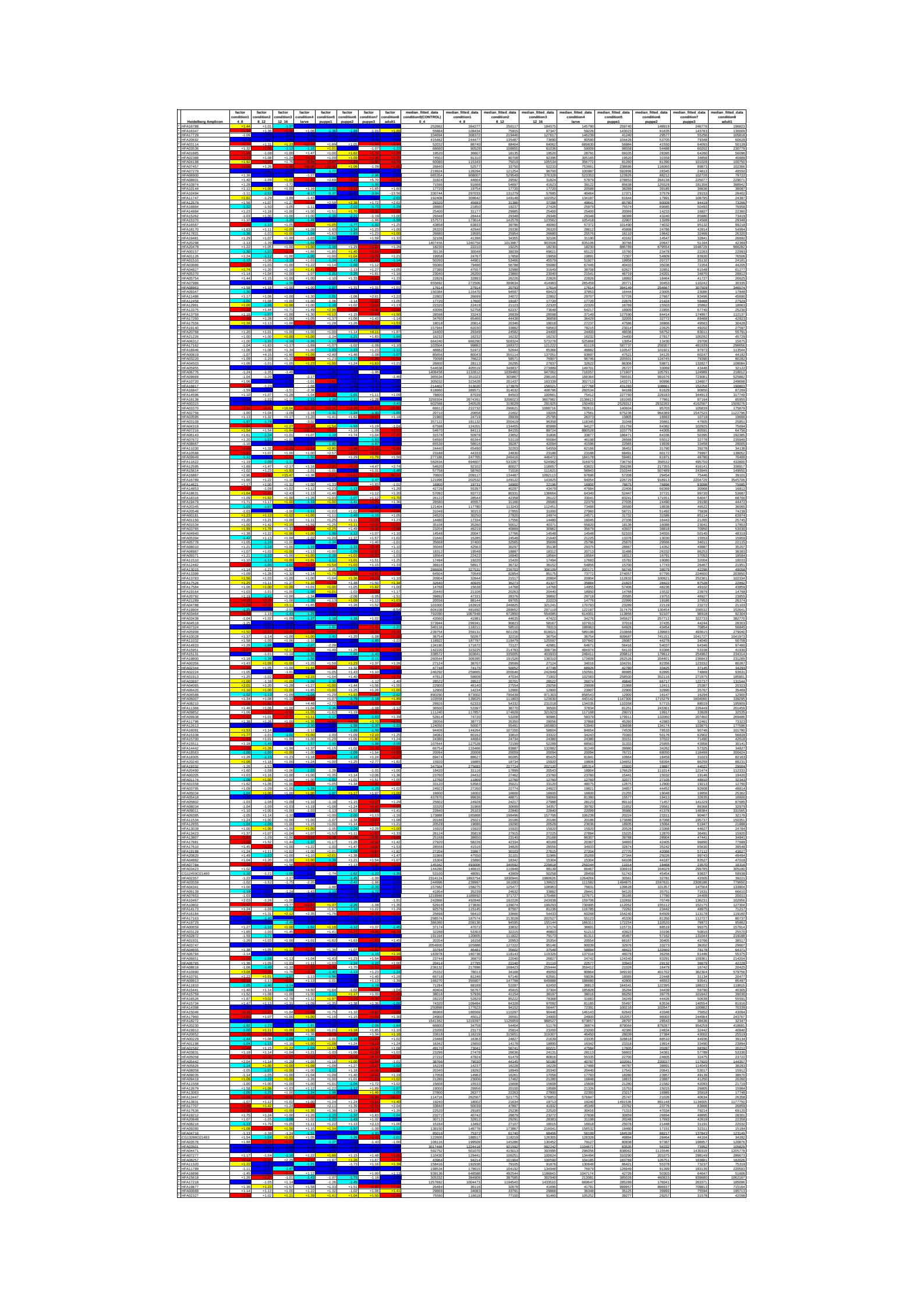




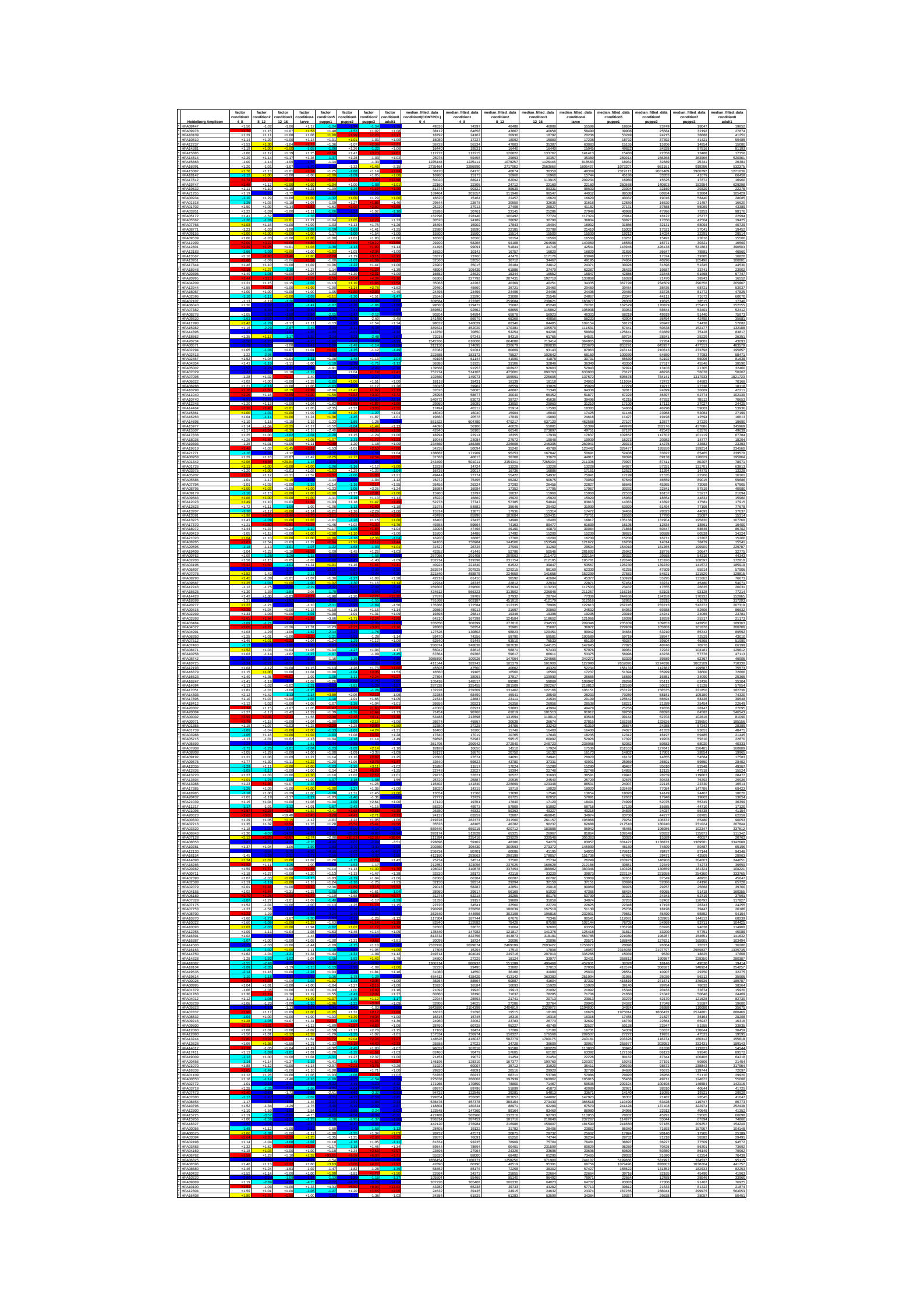


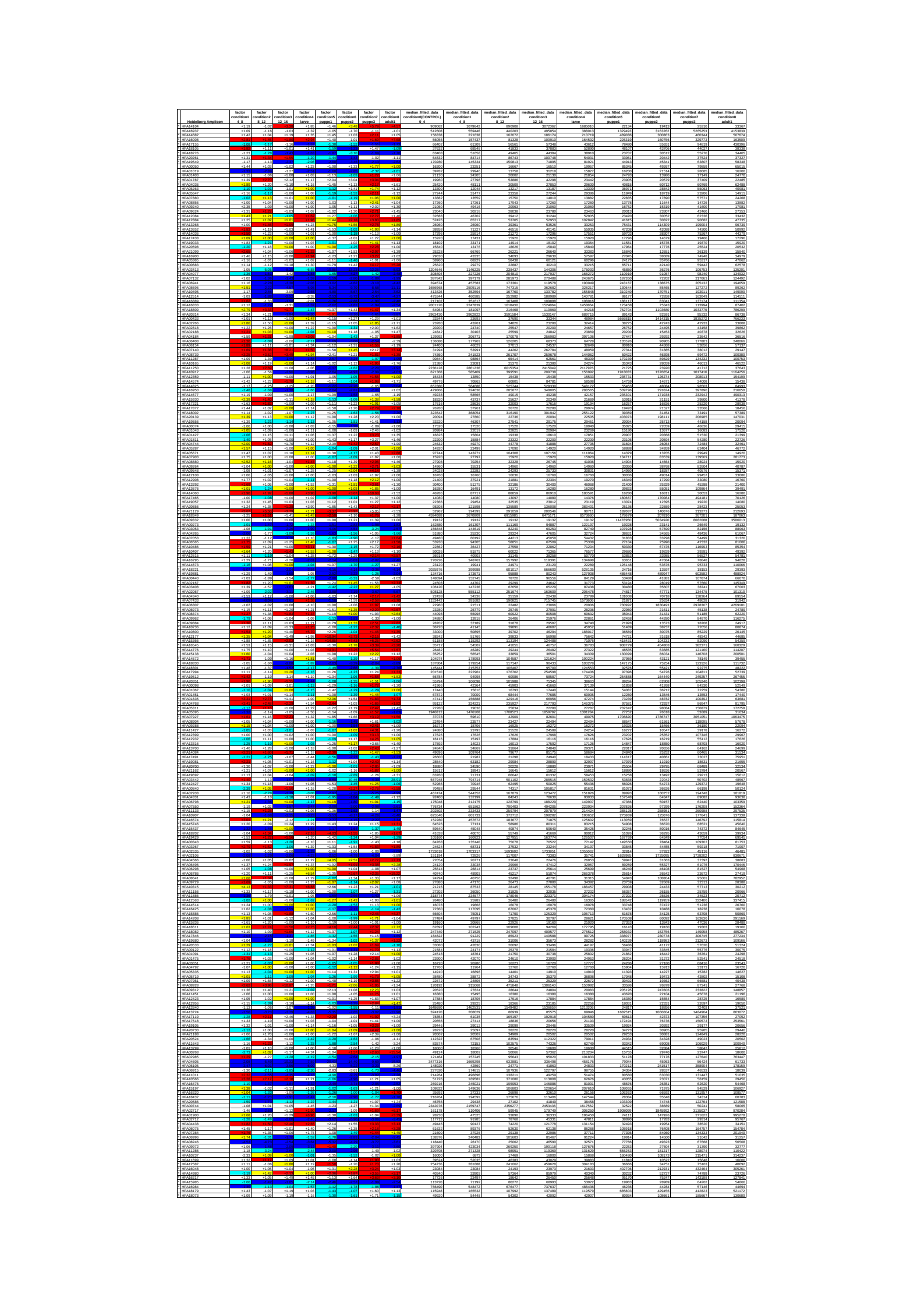
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
	HFA18912	+1.26	+1.13	+1.00	+1.02	-1.01	-1.05	+1.91	+1.00	16214	20503	18282	16214	16541	612337	417914	536031	439062
	HFA19296	+1.66	+1.72	+1.65	+1.40	+1.17	+1.21	+1.88	+1.51	20362	33835	35012	33685	28455	16043	15382	31016	16214
*	HFA20949	+1.16	+1.57	+1.37	+1.57	+2.12	+1.75	+1.78	+2.57	21790	25250	34211	29958	34150	23783	24570	38179	30687
*	HFA02991	+1.68	+1.29	+1.04	-1.53	-3.25	-2.10	-1.45	-1.53	194364	327189	250398	201468	126744	46142	38166	38776	56090
*	HFA20740	-1.03	+1.07	+1.26	-1.04	+2.15	+1.30	+1.70	+2.02	84420	82029	89984	106046	81206	59727	92664	134083	126952
*	HFA14962	-1.32	-1.45	-1.31	-2.42	-1.07	-1.14	-1.32	-1.62	996728	755778	688224	763271	411202	181296	109890	143226	170596
*	HFA02394	-1.14	-1.15	-1.16	-1.19	-1.23	-1.33	+1.14	+1.08	258592	227807	225295	222691	217433	933334	873686	755153	616865
*	HFA03497	-1.12	-1.00	-2.90	-2.57	-1.18	-5.08	-3.40	-5.53	1186580	1058671	1184709	409845	461062	210737	194270	294423	279529
*	HFA04983	+1.57	+1.82	+3.75	+1.59	+2.36	+2.09	+2.63	+6.20	73168	115146	133504	274549	116423	1006074	233656	348912	214716
*	HFA07196	-1.55	-2.17	-3.54	-2.85	-2.15	-3.37	-2.21	-1.84	326990	210869	150831	92281	114831	172905	152559	192322	453769
*	HFA08650	+1.13	-1.17	-1.71	-1.01	-1.69	-3.28	-1.14	-1.31	161920	182965	138165	94801	160962	152034	97005	147964	178152
	HFA10789	+1.08	-1.45	+1.00	+1.01	-1.02	-2.02	+1.56	+1.00	27360	29565	18805	27360	27636	95948	49399	141694	123189
	HFA11635	+1.03	-1.29	-1.13	+1.00	-1.49	-1.30	-1.00	+1.00	26842	27689	20806	23805	26842	26919	13530	42642	27360
*	HFA15508	-1.08	+1.00	+1.38	+1.00	-1.06	+1.43	+1.00	+4.71	114120	105711	114120	157444	114120	18020	20724	26842	26842
*	HFA14626	+1.45	+1.04	+1.01	+1.00	+1.00	+1.00	-1.01	-1.01	38700	56232	40226	39229	38700	107355	163685	114120	536963
*	HFA18775	-1.32	-1.15	-2.11	-2.04	-1.90	-2.87	-1.67	-1.60	621916	472512	540792	295307	304349	38894	38700	38153	38137
*	HFA19326	+1.36	-1.08	-1.24	-1.57	-2.26	-1.40	-1.94	-1.34	101524	137953	93770	82149	64734	327941	216843	371503	389799
*	HFA00405	-1.10	+1.05	+1.00	+1.04	-1.24	-1.83	+1.32	-1.19	51960	47297	54313	51960	54255	44845	72620	52277	75690
*	HFA03154	-1.06	-3.50	-4.99	-5.63	-1.89	-4.10	-1.63	-1.96	335000	314898	95655	67149	59630	41952	28343	68681	43819
	HFA02398	+1.00	-1.23	+1.00	-1.00	+1.00	+1.24	-1.08	-1.19	26920	26920	21880	26920	26909	176964	81724	205334	170985
*	HFA03598	-1.96	-1.32	-1.19	-2.26	-1.74	-3.22	-1.97	-2.08	288404	147224	217866	241414	127742	26920	33381	24989	22573
	HFA04439	+1.00	+1.00	+1.00	+1.00	+1.31	-1.05	+1.27	+1.00	15184	15184	15184	15184	15184	165856	89552	146137	138639
	HFA04864	+1.33	+1.13	+1.00	+1.02	+1.00	+3.00	-1.00	+1.00	13528	18040	15263	13528	13827	19949	14409	19252	15184
*	HFA06090	-1.77	-2.36	-2.26	-2.68	-1.88	-5.02	-5.34	-2.86	184000	104172	77948	81411	68602	13528	40593	13528	13528
	HFA05984	+1.23	+1.24	+1.31	+1.01	+1.54	-1.41	+1.05	+1.00	291040	357725	361115	381574	293425	98020	36625	34463	64356
*	HFA07635	-1.23	-1.03	-1.17	-1.60	-1.14	-1.72	-1.33	-2.46	367420	298659	356373	313793	230012	447520	206857	306112	291040
*	HFA08440	-1.23	-1.24	-1.18	-1.76	+1.03	-1.29	-1.34	-3.74	610880	496218	493918	518281	346816	321261	213881	277291	149171
	HFA10656	-1.61	+1.00	+1.00	-1.38	+1.00	-1.16	-1.01	+1.00	18504	11465	18504	18504	13388	628433	474959	455564	163495
	HFA11333	+1.10	-1.03	+1.36	-1.13	-1.08	-1.51	-1.08	+1.05	58616	64574	56884	79656	51766	18504	16017	18243	18504
*	HFA10507	-2.11	-2.32	-1.39	+1.06	-1.83	-2.62	-1.36	-1.07	217946	103297	94129	156312	230915	54385	38815	54411	61300
*	HFA12226	+1.02	-1.17	+2.14	+1.33	-1.02	-1.61	-1.17	-1.35	133314	135844	114057	285170	177475	118851	83106	160811	204212
*	HFA16378	-1.36	-1.25	-2.56	-1.29	-2.79	-5.71	-1.29	-1.79	53400	39241	42571	20859	41511	131040	82582	114208	98462
*	HFA15743	+1.92	-1.01	+1.09	+1.06	+1.78	+1.79	+3.05	+3.45	27580	52866	27240	29929	29260	19112	9346	41394	29907
	HFA15754	-1.08	-1.15	+1.01	+1.00	+1.11	-1.41	-1.02	+1.00	21734	20075	18870	21853	21734	49211	49399	84073	95144
*	HFA16096	+1.49	+1.11	+1.00	+1.17	+1.21	+1.21	+1.99	+2.41	33648	50170	37186	33648	39300	24178	15408	21206	21734
	HFA16463	+1.30	-1.03	-1.03	+1.00	+1.00	-1.38	-1.00	+1.00	14000	18217	13591	13632	14000	40738	40869	66965	81040
	HFA14297	+1.09	+1.31	-1.00	+1.00	+1.15	-1.10	+1.47	+1.00	20932	22851	27393	20861	20932	14000	10178	14000	14000
	HFA18636	-1.00	-1.09	-1.14	+1.00	-1.11	-1.26	+1.00	+1.15	28220	28220	25796	24838	28220	24086	19108	30786	20932
	HFA18028	+1.02	-1.06	-1.02	-1.21	+1.08	-1.09	-1.34	-1.42	41880	42853	39344	40921	34510	25422	22354	28286	32371
*	HFA19887	+1.09	-1.31	-1.40	-1.98	-1.82	-1.27	-1.34	-1.12	90840	98957	69185	65080	45953	45333	38454	31177	29505
	HFA20308	-2.72	-1.11	-1.58	+1.00	+1.00	-1.16	-1.00	+1.00	16444	6054	14811	10433	16444	49979	71413	68017	80816
	HFA21242	+1.40	+1.15	-1.04	+1.80	-1.58	+1.33	+1.23	+3.02	30470	42620	34908	29169	54877	16444	14234	16444	16444
	HFA00922	+1.15	-1.02	+1.01	+1.07	+1.06	-1.16	+2.25	+1.00	19142	22049	18684	19284	20429	19285	40595	37564	92070
	HFA01306	-1.21	-1.12	+1.05	-1.06	-1.03	-2.67	+1.02	+1.00	40564	33417	36164	42403	38339	20299	16570	43025	19142
	HFA01690	-1.02	+1.02	+1.06	+1.00	+1.00	-1.31	+1.80	+1.00	14842	14577	15205	15787	14842	39436	15184	41273	40564
	HFA03940	+1.19	+1.18	+1.19	+1.00	+1.00	+1.23	+1.01	-1.14	25160	30021	29672	29846	25160	14842	11362	26675	14842
*	HFA05166	+1.64	+1.05	+1.12	+1.02	+1.34	+1.05	+1.78	+1.36	28220	46302	29502	31576	28887	25160	30945	25526	21988
	HFA05550	-1.10	+1.05	+1.00	+1.00	+1.00	-1.04	+1.42	+1.00	16002	14489	16725	16002	16002	37886	29590	50179	38437
	HFA07745	+1.12	+1.30	+1.01	+1.04	+1.35	-1.22	+1.57	-1.00	16680	18638	21673	16870	17362	16002	15357	22800	16002
*	HFA08759	+1.09	-1.12	+1.05	-1.50	-1.40	-2.66	-1.97	-2.11	189784	206826	169475	199813	126200	22478	13727	26130	16602
	HFA09143	+1.15	+1.00	+1.03	-1.11	+1.06	-1.39	-1.00	+1.00	23968	27678	23968	24702	21663	136033	71518	96129	89908
*	HFA09527	-1.01	+1.02	-1.01	-1.17	-1.35	-2.01	-1.28	-1.40	135068	134367	137667	134151	115028	25428	17196	23968	23968
*	HFA11985	+1.38	+1.09	+1.96	+1.00	+5.06	+1.33	+4.86	+2.85	132468	183199	145039	260220	132468	100404	67122	105397	96566
	HFA12787	+1.75	+1.16	+1.00	+1.14	-1.05	+1.06	+1.34	+1.00	16844	29412	19540	16844	19176	670227	175530	644145	377816
*	HFA13171	-1.05	+1.49	+2.24	+1.06	+2.74	-1.10	+1.79	+1.33	25814	24553	38586	57804	27392	16111	17796	22584	16844
*	HFA13555	-1.32	+1.90	+1.32	-1.06	+1.79	-1.01	+1.80	-1.56	37540	28348	71472	49679	35460	70609	23442	46083	34332
*	HFA13939	-1.03	-1.03	+1.03	-1.01	+1.11	-1.17	+3.33	+1.38	23388	22699	22682	24067	23130	67211	37329	67556	24086
*	HFA17330	+1.21	+2.02	+1.04	-1.11	+1.08	+1.30	+1.76	+1.08	28870	34934	58400	30110	25907	26067	20072	77968	32265
	HFA18936	+1.15	+1.37	+1.00	+1.02	+1.15	+1.02	+1.37	-1.02	19608	22623	26924	19608	19919	31274	37458	50941	31246
*	HFA19320	+1.22	+1.06	-1.03	-1.00	+1.26	-1.59	-1.06	-1.40	73730	90016	77829	71925	73582	22584	19982	26857	19208
*	HFA20979	-1.26	+1.00	-1.01	+1.00	+1.06	-1.63	-1.24	-1.73	57582	45726	57694	57069	57582	92699	46239	69600	52563
*	HFA02458	+1.02	+1.01	+1.01	-1.37	-1.14	-2.46	-1.31	-1.34	176982	181377	178910	179397	129484	60868	35241	46577	33324
	HFA13099	+1.49	+1.38	+1.01	+1.15	+1.20	-1.01	+1.21	+1.15	33024	49146	45696	33250	38094	155898	71911	135059	132552
	HFA14412	+1.00	+1.09	+1.00	+1.00	+1.02	-1.04	+1.53	+1.00	21188	21188	23027	21188	21188	39508	32763	40007	38044
*	HFA03077	+1.28	+1.13	-1.18	-1.21	-1.71	-2.63	-1.25	-1.38	52944	67603	59828	44839	43911	21703	20354	32514	21188
*	HFA02046	+1.05	-1.08	-1.44	-1.31	-1.15	-1.62	+1.08	-1.69	61560	64376	56882	42604	46828	30895	20147	42320	38253
*	HFA06117	+1.65	+4.32	+6.24	+1.13	+23.72	+4.43	+1.64	-1.00	32982	54365	142517	205709	37257	53485	38031	66745	36420
*	HFA05975	+1.38	-1.03	-1.16	-1.32	-1.11	-1.64	+1.02	-1.23	166342	229686	161316	143424	125980	782280	146188	54184	32821
*	HFA08522	-1.89	-3.54	-4.52	-4.39	-5.32	-7.88	-4.50	-5.24	397068	209546	112167	87937	90346	150218	101289	169242	135387
*	HFA09758	+1.22	-1.34	-1.25	-1.32	-1.60	-1.92	-1.82	-1.89	203334	248343	151954	162541	154245	74640	50366	88182	75715
*	HFA12149	+1.16	+2.10	+1.53	-1.33	+1.03	-1.49	-1.54	-2.97	533292	620089	1117398	816546	399583	127077	105875	111779	107318
*	HFA16731	-1.36	-2.49	-3.83	-2.69	-3.97	-8.49	-4.17	-5.53	546148	400887	220341	142526	202800	548935	358350	347362	179684
*	HFA14643	+1.47	-1.00	-1.27	-1.01	-1.11	-1.76	-1.35	-1.62	104730	153752	104499	82313	103382	137567	64364	130961	98681
*	HFA17763	-1.07	-2.01	-2.56	-1.93	-1.92	-2.94	-2.37	-3.03	225860	211867	112603	88105	116790	94749	59467	77366	64570
	HFA20164	-1.12	-1.03	+1.00	+1.04	-1.36	-1.25	-1.10	+1.21	19220	17224	18655	19220	20065	117886	76835	95343	74627
*	HFA00734	-1.83	-2.38	-1.38	-1.49	-3.43	-3.67	-1.27	-1.51	173576	94772	72788	126066	116764	14175	15370	17527	23194
	HFA02821	+1.35	+1.06	+1.00	+1.15	-1.24	+1.52	+2.46	-1.00	19716	26630	20836	19716	22767	50538	47253	137176	115240
*	HFA03605	+2.63	+2.55	-2.71	-4.09	-11.71	-15.99	-5.38	-22.66	1435140	3780150	3660430	530488	351002	15899	29979	48505	19646
*	HFA02454	+1.29	-1.11	+1.10	+1.04	+1.18	-1.66	+1.01	-1.21	49530	63945	44514	54387	51365	122591	89734	266864	63354
*	HFA04524	-1.17	-2.78	-4.75	-2.76	-1.80	-3.52	-2.76	-3.03	424160	362867	152830	89243	153764	58454	29889	50118	40966
*	HFA04919	-3.88	-3.57	-3.21	-5.00	-3.62	-6.14	-6.53	-6.13	923080	237954	258503	287441	184450	236107	120530	153644	139953
	HFA06133	-1.07	+1.09	-1.18	-1.38	-1.18	-2.36	-1.40	-1.42	52370	49093	57078	44506	37918	255038	150401	141413	150539
*	HFA07711	+3.81	+2.01	+1.86	+1.05	+1.78	+1.23	+1.30	-1.23	76302	291044	153481	142082	79884	44311	22168	37396	36952
*	HFA07346	+2.00	+1.15	+1.02	+1.72	+2.11	+2.59	+2.06	+2.68	28354	56783	32655	28924	48818	135648	93473	99506	61857
*	HFA08457	+1.42	+1.04	+1.15	+1.09	+1.14	-1.54	-1.01	-1.04	42874	60709	44425	49304	46907	59716	73573	58371	75851
	HFA10469	-1.12	-1.08	+1.00	-1.06	+1.03	-1.75	+1.25	-1.11	35880	32023	33248	35880	33761	48907	27843	42528	41328
*	HFA09793	+1.44	+1.35	+1.58	+1.76	+2.04	+1.27	+1.35	+1.66	57290	82345	77567	90557	100735	37133	20486	44768	32390
	HFA10406	-1.26	-1.48	-1.17	-1.04	-1.63	-3.06	-1.40	-1.23	31274	24859	21104	26734	30137	116635	72503	77333	94923
*	HFA12328	+1.26	-1.29	-1.88	-2.39	-2.45	-2.22	-2.48	-2.64	1435044	1810198	1108892	761557	600736	19182	10209	22311	25465
	HFA14509	+1.20	+1.02	-1.02	-1.16	-1.10	-2.07	-1.43	-1.38	22320	26729	22693	21976	19231	585072	647413	579363	543910
	HFA16108	+1.40	-1.04	+1.40	+1.05	+1.97	+1.39	+1.34	+1.66	21844	30663	21031	30511	22998	20271	10764	15560	16170
	HFA14811	+1.49	-1.06	+1.00	+1.00	+1.04	-1.02	+1.49	+1.14	23760	35349	22369	23760	23760	43073	30458	29322	36327
*	HFA16189	+1.36	-1.05	+1.17	-1.52	-1.18	-1.91	-1.55	-1.25	81458	110519	77595	95113	53555	24625	23378	35458	27203
*	HFA14888	+2.00	-1.41	-1.31	-1.45	-1.79	-2.89	-2.12	-1.54	119082	237841	84397	90585	81949	68915	42720	52463	65055
*	HFA15092	+1.80	+1.25	+1.12	+1.48	+1.47	-1.05	+1.44	+1.35	45310	81684	56769	50555	66888	66644	41166	56102	77499
*	HFA18804	+1.39	-1.17	-1.02	+1.87	+1.24	-1.34	+1.08	+1.06	54436	75739	46530	53330	101872	66679	43356	65090	61334
*	HFA17799	+1.40	+1.45	+2.29	+1.60	+1.40	+1.65	+2.39	+2.16	38320	53477	55583	87815	61435	67603	40552	58656	57570
	HFA19716	+1.58	-1.15	+1.07	+1.20	+1.00	+1.04	+1.65	+1.05	18494	29143	16056	19879	22131	53683	63407	91627	82682
*	HFA19977	-1.45	-1.31	+1.26	-1.07	-1.24	-1.54	-1.11	-1.33	103360	71310	78628	130565	96375	18494	19258	30487	19472
*	HFA21267	+3.49	-1.58	-3.83	-5.78	-9.82	-12.80	-3.57	-6.28	3376152	11772794	2130895	880857	583985	83253	67147	92757	77858
	HFA00946	+1.40	+1.00	+1.00	+1.10	+1.30	+2.40	-1.01	+2.73	16132	22529	16132	16132	17814	343830	263749	947014	537418
*	HFA01330	-1.01	-1.07	+1.00	+1.01	+1.22	-1.20	+1.20	+1.21	48940	48408	45609	48940	49561	20955	38686	15981	44072
	HFA01718	+2.02	+1.37	+1.07	-1.03	+1.11	+1.02	+1.25	-1.11	18860	38071	25757	20098	18323	59915	40719	58578	59220
	HFA03963	+1.23	-1.00	+1.09	+1.03	+1.57	+1.30	+1.42	+1.44	23316	28697	23234	25338	24041	21021	19252	23534	17003
*	HFA05190	-1.22	+1.00	+1.02	+1.00	-1.07	+1.11	+2.12	+2.80	17924	14668	17924	18316	17924	36627	30267	32999	33595
	HFA05574	-1.31	+1.17	+1.00	+1.02	+1.00	-1.01	+1.51	+1.05	18420	14087	21512	18420	18852	16770	19940	37940	50115
*	HFA07781	-1.24	+1.14	+1.00	+1.15	+1.44	+1.40	+2.94	+1.67	24962	20207	28421	24962	28612	18420	18242	27892	19285
	HFA08783	+1.01	+1.06	+1.00	-1.07	+1.00	-1.37	+2.73	-1.08	14480	14692	15335	14480	13588	35897	34962	73434	41726
	HFA09167	+1.07	+1.04	+1.00	+1.03	+1.01	-1.14	-1.11	+1.27	14048	14983	14618	14048	14530	14552	10555	39538	13445
	HFA09551	+1.11	-1.01	+1.05	+1.21	-1.05	-1.16	+1.20	+1.00	16104	17804	15981	16868	19410	14118	12329	12668	17884
*	HFA12011	-1.26	+1.32	+1.31	+1.41	+2.35	-1.01	+6.48	-1.15	642934	511344	850168	843901	903752	15397	13866	19376	16107
*	HFA12811	-1.02	+1.08	+1.00	+1.00	+1.14	-1.17	+2.44	-1.01	21760	21275	23532	21760	21760	1513516	633557	4169040	557682
*	HFA13195	+1.74	+1.14	+1.01	+1.08	+1.04	-1.03	+2.09	+1.11	24360	42483	27865	24573	26394	24793	18552	52986	21478
*	HFA13579	+1.80	+1.18	+1.04	+1.20	+1.42	-1.02	+1.78	+1.25	33326	60074	39307	34784	39960	25360	23741	50866	26969
	HFA13963	-1.28	+1.00	+1.00	-1.18	-1.06	-1.18	+1.67	-1.20	20404	15996	20404	20404	17235	47414	32615	59456	41562
*	HFA17357	-1.45	-1.21	-1.06	-1.20	-1.09	-1.15	+1.36	+1.33	175960	121307	145648	166453	146476	19270	17250	34052	17066
*	HFA18960	+1.10	-1.04	+1.22	+1.68	+1.82	+1.16	+2.97	-1.21	302482	332283	291667	370396	507523	161127	152498	238463	234225
	HFA20407	-1.06	+1.00	+1.00	+1.00	+1.00	-1.11	+1.89	+1.00	14680	13796	14680	14680	14680	550307	349975	897819	249583
*	HFA21008	+1.16	+1.29	-1.17	-1.04	-1.03	-1.76	-1.24	-2.33	81328	94414	105163	69343	77881	14680	13260	27730	14680
*	HFA07548	+2.00	+1.72	+1.73	+1.04	-1.77	-1.81	-1.65	-1.20	108880	217781	187507	187960	113342	79152	46171	65764	34834
*	HFA18886	-1.06	-1.06	-1.02	-1.24	-1.03	-2.40	-1.46	-2.20	264204	248744	249387	258253	212609	61432	60017	65849	90464
	HFA18311	-1.04	+1.18	+1.21	+1.07	-1.06	-1.06	+1.00	-1.01	33480	32308	39492	40479	35987	256965	109945	181571	120331
*	HFA00823	-1.34	-1.74	-2.54	-3.64	-1.81	-2.53	-3.16	-5.65	2646656	1974800	1516721	1040528	727364	31503	31503	33494	33257
*	HFA03248	+1.01	-1.35	+1.04	-1.74	+1.25	-1.90	-2.88	-1.72	270446	273189	199977	281504	155719	1459941	1046431	838228	452570
	HFA03210	-1.03	+1.10	+1.08	+1.00	-1.24	-1.35	-1.25	+1.00	27400	26492	30242	29470	27400	339372	142652	94041	156818
*	HFA06425	-1.24	-1.35	-1.42	-1.66	-1.45	-1.13	+1.14	-3.06	2706368	2180588	2005262	1904689	1604686	22088	20317	21839	27400
*	HFA07449	+1.49	-1.07	+1.15	+1.03	-1.08	-1.78	-1.11	-1.40	271234	403990	252816	312737	280201	1869649	2404737	3096466	884986
*	HFA08424	+1.03	-2.16	-4.05	-3.07	-3.34	-5.16	-4.34	-4.73	131378	135877	60839	32434	42762	250830	152390	245093	193370
*	HFA10638	+2.42	+1.24	-1.24	-1.02	-1.07	-1.26	-1.11	+1.00	96458	233352	119161	77853	94448	39346	25478	30301	27769
*	HFA12131	+1.24	-1.11	+1.00	+1.16	-1.37	-1.06	+1.56	+1.57	33278	41329	29886	33278	38499	90378	76575	87217	96678
*	HFA14223	-1.34	-1.11	-1.26	-1.63	-1.19	-1.28	-1.18	-2.49	1913606	1431970	1728558	1524765	1174587	24368	31465	52010	52142
*	HFA15615	-1.00	-1.17	-1.64	-1.33	-1.55	-1.62	-1.17	+1.26	115732	115582	99287	70738	87048	1613814	1494214	1615210	769870
*	HFA18354	-1.01	+1.04	+1.00	+1.32	+1.90	+1.76	+1.71	+3.48	43578	43235	45221	43654	57505	74436	71253	98656	145268
*	HFA19921	+1.12	-1.13	+1.04	+1.15	-1.38	-1.51	+1.22	+1.23	80584	90287	71305	83847	92978	82844	76541	74594	151704
*	HFA00498	+1.00	+1.02	+1.03	+1.05	+2.38	+2.02	+2.29	+5.17	29950	29950	30457	30736	31333	58448	53233	98196	99520
*	HFA03013	+1.71	+1.53	+2.24	+1.47	+1.47	+1.44	+1.76	+2.78	83690	143050	127891	187157	123306	71380	60544	68720	154798
*	HFA02990	-2.45	-2.08	-2.04	-2.27	-1.84	-2.91	-2.16	-1.78	594630	242992	285439	292064	262063	122995	120887	147669	232401
*	HFA02467	-1.19	-1.33	-1.11	-2.01	-1.04	-1.12	-1.23	-2.59	1277116	1070478	962246	1151988	634822	322394	204190	275036	334601
	HFA04106	+1.69	+1.06	+1.00	+1.00	+1.00	+1.76	+1.99	+1.96	18588	31493	19738	18588	18588	1226189	1134978	1035786	494046
*	HFA04975	-1.28	-1.49	-1.18	-1.52	-2.04	-1.52	-1.95	-1.29	53740	42089	36018	45714	35455	18588	32707	37023	36453
*	HFA06724	+1.14	+1.02	+1.00	+1.59	-1.30	+3.15	+1.38	+1.00	15920	18179	16295	15920	25299	26345	35348	27566	41818
*	HFA07147	+1.42	+1.13	+1.27	+1.00	-1.41	-1.17	+1.06	+1.31	40576	57546	45794	51495	40576	12235	50160	21964	15920
	HFA06050	-1.17	+1.06	+1.00	+1.00	-2.20	+1.00	+1.10	+1.17	16280	13893	17327	16280	16280	28796	34683	43048	53080
*	HFA08478	+3.12	+1.06	+3.19	+1.30	+1.00	-1.17	+1.11	+1.32	27800	86651	29526	88621	36087	7397	16280	17983	19074
*	HFA11187	-1.15	-1.22	-1.55	-1.53	+3.52	+1.05	+5.33	+3.39	131808	114988	107698	85229	85964	27800	23732	30785	36690
*	HFA10819	+1.33	-1.20	+1.07	-1.11	+1.05	-1.50	-1.12	-1.21	212064	283073	177148	227128	191601	463366	138243	702504	446582
*	HFA10376	+1.11	-1.40	-1.78	-1.52	-1.97	-4.48	-2.14	-2.53	65856	73261	46889	36971	43218	223522	141100	189247	175983
*	HFA12179	+1.94	+1.68	+1.55	+3.26	+1.91	+1.48	+2.56	+2.20	37986	73871	63649	58870	123708	33430	14687	30716	26001
*	HFA16769	+3.25	+1.06	+1.00	+1.21	-1.14	-1.12	+1.40	+1.07	26320	85496	27923	26320	31917	72387	56244	97170	83388
	HFA14341	+1.07	+1.06	+1.01	+1.00	+1.01	+1.08	+1.22	+1.39	25120	26771	26710	25325	25120	23122	23405	36814	28071
*	HFA15275	+1.00	-1.01	-1.05	-1.44	-1.09	-1.69	-1.43	-1.58	314972	314972	313253	299205	218508	25287	27091	30703	34827
*	HFA15202	+1.20	-1.19	-1.66	-1.98	-2.01	-2.30	+1.01	-2.16	82082	98536	69151	49460	41354	289980	186479	219926	198849
*	HFA14738	+1.88	+1.55	+31.12	+1.72	-2.22	-3.41	-1.74	-2.48	64872	121738	100430	2018855	111709	40779	35613	83074	37962
*	HFA14325	+1.70	+1.03	-1.05	+1.26	+1.00	-1.20	+1.66	+1.19	54392	92632	55773	51648	68793	29217	19047	37236	26134
*	HFA18120	+1.95	+1.09	+1.08	+1.38	+1.28	-1.07	+2.03	+1.44	30400	59182	33154	32900	42069	54542	45303	90305	64584
	HFA17868	+1.57	+1.02	+1.00	-1.04	-1.29	-1.23	+1.41	+1.16	22040	34691	22450	22040	21218	38873	28472	61612	43790
	HFA19373	+1.00	+1.00	+1.00	+1.00	-1.06	+1.34	-1.18	+1.85	17724	17724	17724	17724	17724	17079	17853	31150	25541
*	HFA19799	-1.19	-2.56	-3.99	-5.36	-5.71	-6.94	-6.77	-6.39	1065160	891679	415952	266910	198621	16660	23734	15040	32835
*	HFA00013	+1.38	+1.03	+1.21	+1.48	+4.50	+3.68	+4.72	+3.63	100376	138233	103622	121099	148376	186665	153399	157311	166798
*	HFA00982	+1.63	+1.42	+1.04	+1.29	+1.04	-1.21	+1.90	+1.08	31352	51076	44563	32569	40598	451319	369865	473382	364371
	HFA01366	+1.50	+1.12	+1.00	+1.00	+1.00	+1.04	+1.44	+1.00	22000	33031	24749	22000	22000	32566	25813	59629	33849
*	HFA01750	+1.04	-1.08	-1.08	-1.16	+1.03	-1.76	+2.16	-1.28	30320	31684	28057	27991	26177	22000	22848	31663	22000
	HFA03999	+1.12	-1.01	+1.00	+1.00	-1.04	-1.14	+1.52	+1.61	20744	23240	20511	20744	20744	31141	17231	65544	23743
*	HFA05226	+1.35	+2.04	+1.27	-1.19	-1.35	-1.21	+1.57	+1.22	28506	38395	58121	36245	23984	19996	18241	31594	33381
*	HFA05610	-1.09	-1.26	+1.06	-1.30	-1.11	-2.05	+1.03	-1.34	116102	106077	92359	122663	89229	21185	23535	44894	34663
*	HFA07823	+1.26	-1.14	+1.00	+1.00	-1.42	-1.44	+2.85	+1.13	19628	24762	17260	19628	19628	104279	56511	119999	86919
	HFA08819	+1.14	-1.19	+1.00	-1.06	-1.39	-1.43	+2.04	-1.02	24206	27650	20299	24206	22871	13836	13587	55875	22156
	HFA09203	-1.02	+1.08	+1.01	+1.02	+1.00	+1.29	+1.90	+1.00	17424	17130	18882	17567	17811	17449	16942	49328	23693
*	HFA09587	-1.52	-2.70	-1.72	-2.75	-2.90	-3.98	-1.09	-2.80	84696	55731	31333	49144	30781	17424	22545	33031	17424
	HFA12047	+1.46	-1.01	+1.00	+1.00	-1.08	-1.05	+2.75	+1.13	17542	25646	17299	17542	17542	29206	21432	77452	30292
*	HFA12847	-1.39	-1.33	+1.00	-1.12	+1.00	-1.33	+2.90	+1.21	24240	17433	18289	24240	21688	16200	16689	48237	19858
	HFA13231	+1.69	+1.00	+1.00	+1.00	-1.12	+1.03	+2.46	+1.46	18236	30793	18236	18236	18236	24240	18226	70326	29417
*	HFA13615	+1.24	-1.12	+1.07	-1.13	+1.09	-1.09	+2.06	+1.33	40258	49959	35806	43060	35596	16239	18851	44878	26678
*	HFA13999	+1.07	-1.04	+1.00	+1.03	-1.03	+1.67	+2.42	+1.35	24456	26221	23496	24456	25195	43838	36771	82838	53658
*	HFA17397	-1.32	-1.39	-1.56	-1.96	-1.62	-2.71	-1.81	-2.16	382808	289654	274457	245661	195293	23836	40825	59279	33038
	HFA18996	-1.01	-1.19	-1.04	+1.10	-1.05	-1.33	+1.53	+1.26	30186	29795	25466	29058	33281	236305	141304	211484	177184
*	HFA20443	+1.84	-1.00	+1.00	+1.29	+1.18	-1.31	+1.53	+1.09	39354	72470	39280	39354	50864	28785	22766	46250	38014
	HFA21054	+1.15	+1.00	+1.00	+1.00	+1.00	+1.64	+2.08	+1.71	15920	18343	15920	15920	15920	46584	29961	60311	42890
*	HFA11143	-1.41	-1.41	-1.49	-2.70	-1.38	-1.35	-2.14	-3.23	2289312	1626359	1624015	1535858	849361	16000	26070	33049	27205
	HFA00163	+1.00	+1.00	+1.00	+1.00	+1.00	-1.03	+1.91	+1.06	20124	20124	20124	20124	20124	1659481	1690955	1070445	709458
*	HFA00538	+1.27	-1.15	-1.00	-1.36	-1.91	-2.04	-3.72	-3.27	225338	286557	195676	224540	166096	20124	19466	38402	21245
*	HFA02218	+1.07	-1.09	+1.34	+1.15	+1.53	-1.04	+1.66	+2.19	193492	207302	177498	259012	222032	117904	110378	60529	68910
*	HFA03107	-1.49	-1.71	-2.92	-3.35	-2.84	-5.43	-4.00	-5.28	693228	464610	405475	237133	206969	296814	186250	321704	423077
*	HFA07700	+1.45	-1.01	-1.50	-1.27	-1.73	-1.89	+1.23	-1.22	144378	209179	143272	96176	113891	243786	127579	173324	131190
*	HFA07164	+1.16	-1.20	-1.54	-1.92	-1.87	-3.65	-2.13	-1.65	369228	427740	307548	239473	192796	83489	76396	178054	118533
*	HFA08162	-1.26	-1.42	+1.59	-1.36	-1.48	-2.30	-1.59	+1.02	181662	144082	128136	289446	133463	196947	101175	173484	223417
*	HFA10504	+2.03	+1.33	+1.09	+1.35	+2.61	-1.00	+1.17	+1.62	58168	118088	77592	63268	78333	122648	78886	114506	185703
*	HFA12265	+1.17	-1.20	-1.07	-1.37	-1.29	-2.17	-2.04	-2.27	1042592	1217922	868497	975951	762622	151638	58044	68004	94104
*	HFA14138	+1.83	+1.20	+1.41	+1.59	+2.80	+1.69	+4.14	+16.64	39216	71663	46866	55361	62281	806645	480545	511892	459870
*	HFA16885	-2.45	-1.82	-3.70	-7.92	-7.73	-6.71	-10.67	-9.62	1247974	508567	686795	336918	157653	109624	66190	162492	652501
*	HFA17883	+1.27	-1.89	-2.41	-3.20	-3.19	-3.85	-3.29	-2.92	214280	271450	113602	89067	67011	161466	186004	116974	129751
*	HFA20102	-1.48	-2.36	-2.12	-1.62	-1.53	-1.99	-1.76	-1.89	127380	85806	54008	59969	78635	67078	55631	65141	73337
*	HFA00713	+1.31	+1.31	+1.00	+1.49	+3.24	+3.05	+2.10	+1.93	23494	30856	30842	23494	35017	83263	63947	72541	67259
*	HFA03056	+1.90	+1.06	-1.15	-1.02	-1.01	-1.45	-1.13	-1.01	45806	86917	48489	39933	44725	76022	71725	49420	45422
*	HFA02863	+1.56	+1.02	+1.25	+1.63	+11.14	+5.09	+7.76	+30.07	62652	97626	63784	78250	102005	45443	31634	40661	45541
*	HFA03288	+1.41	+1.19	-1.02	-1.75	-1.56	-2.84	-2.52	-2.66	307340	434639	367108	300976	175375	698049	318794	486089	1883949
*	HFA04598	+2.71	-1.24	-2.32	-3.06	-3.45	-7.29	-4.48	-9.12	771198	2090780	619952	332697	253138	196839	108044	121938	115622
*	HFA07612	+1.99	+1.72	+3.43	+1.47	+5.32	+1.82	+1.62	+1.04	58318	115768	100371	199766	85737	223584	105824	172201	84558
	HFA07492	+1.13	+1.17	+1.00	+1.05	+1.06	-1.05	+1.11	+1.27	23380	26382	27454	23380	24532	310156	105919	94231	60387
*	HFA06579	+1.43	+1.01	-1.13	+1.13	+1.30	+1.35	+2.16	+3.33	45512	64987	46166	40120	51352	24765	22226	25980	29798
	HFA07811	+1.50	+1.66	+1.12	+1.07	+1.48	+1.61	+1.48	+1.37	21056	31561	34880	23647	22494	59068	61507	98465	151411
	HFA08279	-1.01	-1.10	+1.00	+1.00	+1.66	+1.12	+1.19	+1.08	17134	16901	15563	17134	17134	31205	34005	31122	28888
*	HFA10176	+1.19	+1.26	+1.17	+1.31	+1.13	-1.53	+1.00	-2.00	116502	139038	146425	136828	152177	28395	19167	20336	18502
*	HFA10282	+1.38	+1.53	+2.11	+1.58	+1.65	+2.75	+2.19	+2.62	20210	27919	30965	42684	32008	132192	76170	116600	58387
*	HFA10099	-1.04	-1.72	+1.42	-1.07	-1.14	-1.39	+1.07	-1.74	60838	58544	35357	86474	56694	33360	55483	44262	52884
*	HFA12324	+1.15	-1.32	-1.62	-1.57	-1.66	-2.87	-1.99	-2.37	184106	212373	139383	113922	117612	53349	43633	64877	34873
*	HFA16996	+1.02	-1.19	-1.68	-2.01	-2.27	-4.60	-2.20	-3.01	237320	241298	200052	140909	117877	110811	64160	92553	77596
*	HFA16448	+1.10	+1.18	+1.35	+1.00	+1.47	+1.08	+2.24	+1.41	47628	52182	56284	64272	47628	104718	51644	107916	78866
*	HFA16212	-3.18	-3.82	-1.94	-2.82	-3.05	-3.31	-2.78	-2.85	282436	88680	73930	145652	100118	70076	51652	106879	67257
*	HFA15206	+1.19	+1.05	+1.18	+4.20	+3.57	+3.89	+2.54	+5.90	48104	57467	50673	56833	202122	92619	85265	101615	97823
*	HFA16878	-1.39	-1.31	+1.57	-1.16	-1.15	-1.16	+1.75	-1.09	61880	44606	47217	96911	53201	171649	186896	122002	284017
*	HFA17172	+1.85	+1.07	-1.53	-3.02	-1.36	-2.38	-2.62	-3.31	96906	178956	103825	63408	32060	53980	53455	108014	56775
*	HFA17881	+1.54	+1.21	+1.00	+1.37	+1.82	+2.52	+2.26	+3.38	22524	34611	27287	22524	30784	71427	40748	36930	29279
*	HFA18122	+1.31	+1.14	+1.18	+1.01	+1.04	-1.45	+1.54	+1.09	66838	87816	76313	78873	67791	41091	56654	50802	76039
	HFA19792	+1.01	+1.14	+1.00	+1.13	+1.49	+1.32	+1.99	+1.48	23752	23955	27182	23752	26835	69391	45994	103187	73178
*	HFA19735	+1.87	+1.07	-1.02	+1.11	+1.39	+1.44	+1.82	+1.38	43846	81841	47014	42852	48868	35308	31444	47337	35194
	HFA00037	+1.00	+1.00	+1.00	+1.00	+1.00	+1.07	+1.21	+1.01	15920	15920	15920	15920	15920	60748	63336	79655	60408
	HFA01006	-1.14	-1.01	+1.00	-1.05	+1.00	+1.06	+1.55	+1.00	15124	13317	14973	15124	14402	15920	17023	19319	16074
*	HFA01390	+1.35	-1.31	-1.22	-1.15	-1.17	-3.72	-1.64	-1.91	316004	425473	241600	259616	275217	15124	16030	23443	15124
	HFA01774	+1.11	-1.01	+1.00	+1.17	+1.10	+1.17	+1.35	-1.00	22082	24454	21927	22082	25924	270017	85033	193216	165103
*	HFA04023	-1.31	-1.13	-1.07	-1.86	-1.30	-2.50	-1.69	-2.53	554596	422420	493021	518588	297786	24212	25895	29780	22008
	HFA05250	+1.05	+1.25	+1.01	+1.00	-1.06	+1.03	+1.69	+1.00	16120	16951	20073	16255	16120	425374	222118	327642	219172
	HFA05634	+1.13	-1.10	+1.00	+1.01	-1.05	-1.08	+1.73	+1.26	28888	32712	26220	28888	29173	15148	16651	27264	16120
	HFA07866	-1.07	+1.00	+1.00	+1.00	+1.10	-1.08	+1.82	+1.03	16302	15169	16302	16302	16302	27599	26852	49885	36420
*	HFA08843	-1.13	+1.01	+1.00	+1.00	+1.00	-1.18	+5.82	+1.01	18020	15912	18120	18020	18020	17981	15136	29611	16799
	HFA09227	+1.29	-1.21	+1.10	+1.47	+1.02	+1.04	+1.79	+1.18	27976	35972	23055	30852	41014	18020	15241	104878	18134
*	HFA09611	+1.23	-1.25	+1.23	-1.04	+1.14	-1.40	+1.81	-1.16	43796	53791	34968	53796	41924	28511	29053	49994	32941
	HFA12071	-1.01	+1.05	+1.19	+1.00	+1.00	-1.04	+1.90	+1.31	15200	15025	15916	18066	15200	50046	31386	79399	37806
*	HFA12871	+1.86	+1.23	+1.02	+1.51	+1.74	+1.19	+1.76	+1.19	32034	59618	39346	32619	48470	15200	14655	28891	19955
	HFA13255	+1.19	+1.04	-1.10	+1.02	-1.12	-1.39	+1.29	+1.05	28688	34101	29731	26061	29175	55847	38264	56511	37967
	HFA13639	+1.50	-1.31	-1.03	-1.07	+1.00	-1.19	+2.68	+1.01	16934	25424	12932	16445	15883	25516	20587	37052	30144
	HFA14023	+1.80	+1.39	+1.00	+1.19	+1.08	+1.20	+2.16	+1.14	18848	33928	26286	18848	22411	16934	14223	45410	17122
	HFA17423	+1.30	+1.04	+1.02	+1.03	+1.00	+1.09	+2.04	+1.14	19320	25148	20118	19641	19966	20396	22656	40641	21493
	HFA19020	+1.11	-1.47	-1.03	-1.47	-1.08	-1.33	-1.09	-1.61	37418	41513	25454	36387	25412	19320	21102	39363	21970
	HFA20467	+1.00	+1.00	+1.03	+1.00	+1.20	-1.05	+1.86	+1.00	19760	19760	19760	20420	19760	34558	28159	34431	23228
*	HFA21085	+1.63	+1.79	+1.19	-1.01	+3.03	+2.36	+4.44	+1.38	20798	33999	37196	24680	20500	23753	18747	36750	19760
*	HFA14977	-1.47	-1.35	-1.02	-1.18	-1.31	-2.44	-1.63	-1.67	66320	45034	49260	65326	56138	63079	49060	92336	28699
*	HFA03957	+1.38	+1.22	+1.01	+1.19	+1.01	-1.23	+1.53	+1.38	40780	56241	49683	41052	48391	50780	27139	40741	39779
*	HFA00660	-1.28	-1.18	-1.16	-1.13	-1.92	-2.01	-1.57	-1.41	173352	135367	145811	149331	153389	41273	33055	62459	56460
*	HFA02884	+1.42	-1.06	-1.70	-1.37	-1.80	-2.33	-1.98	-1.92	130620	185048	122797	76945	95658	90456	86050	110136	123087

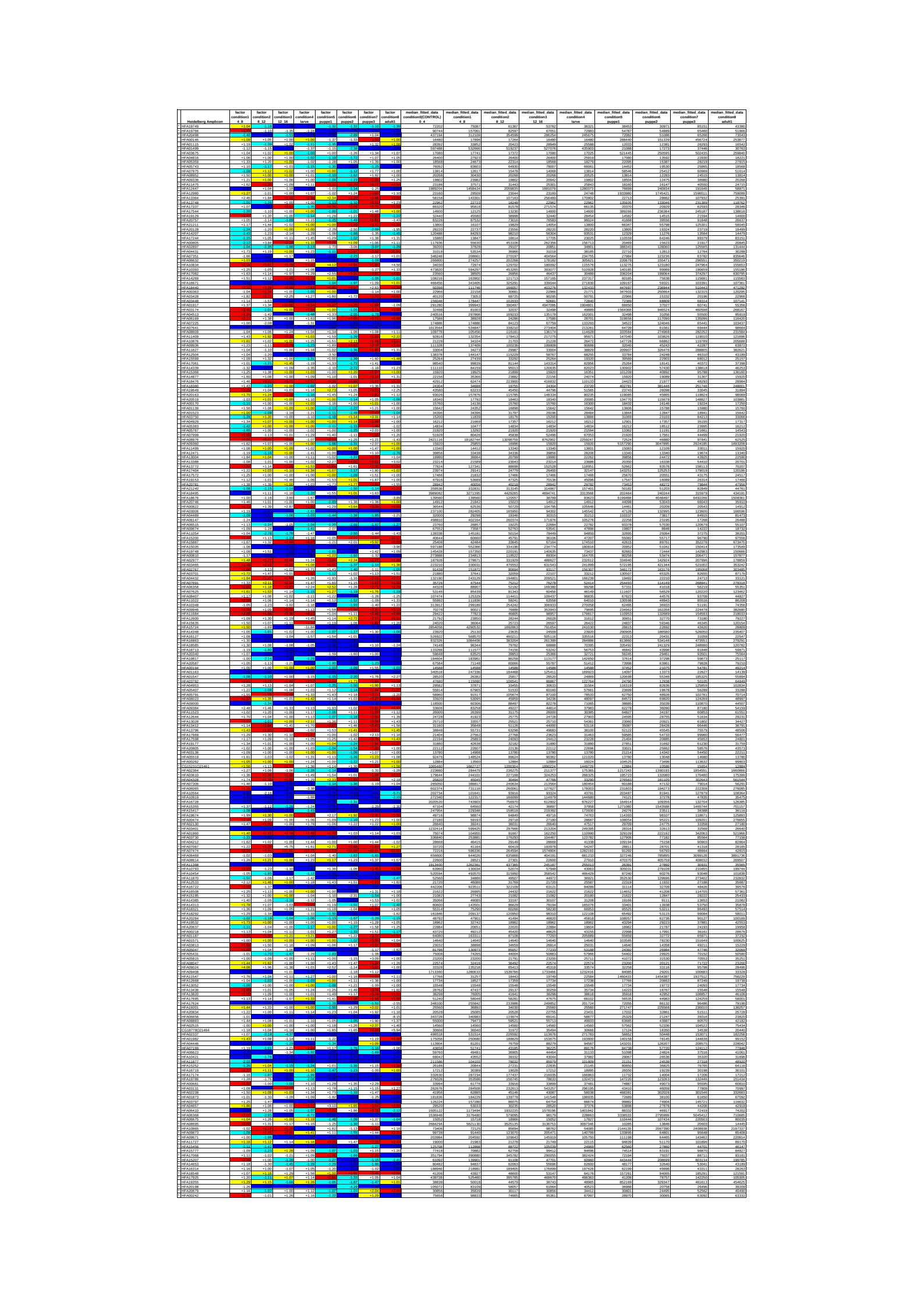


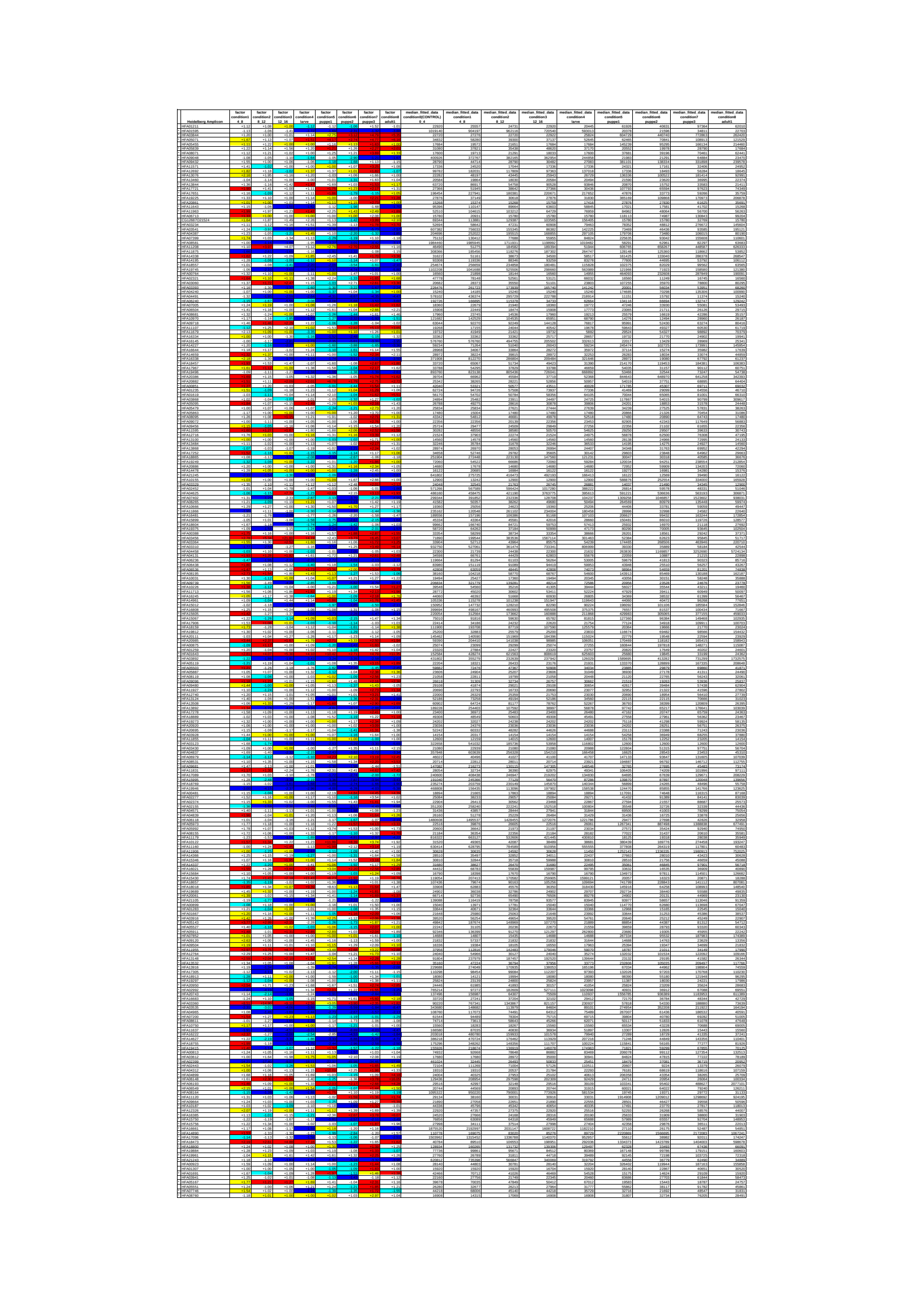


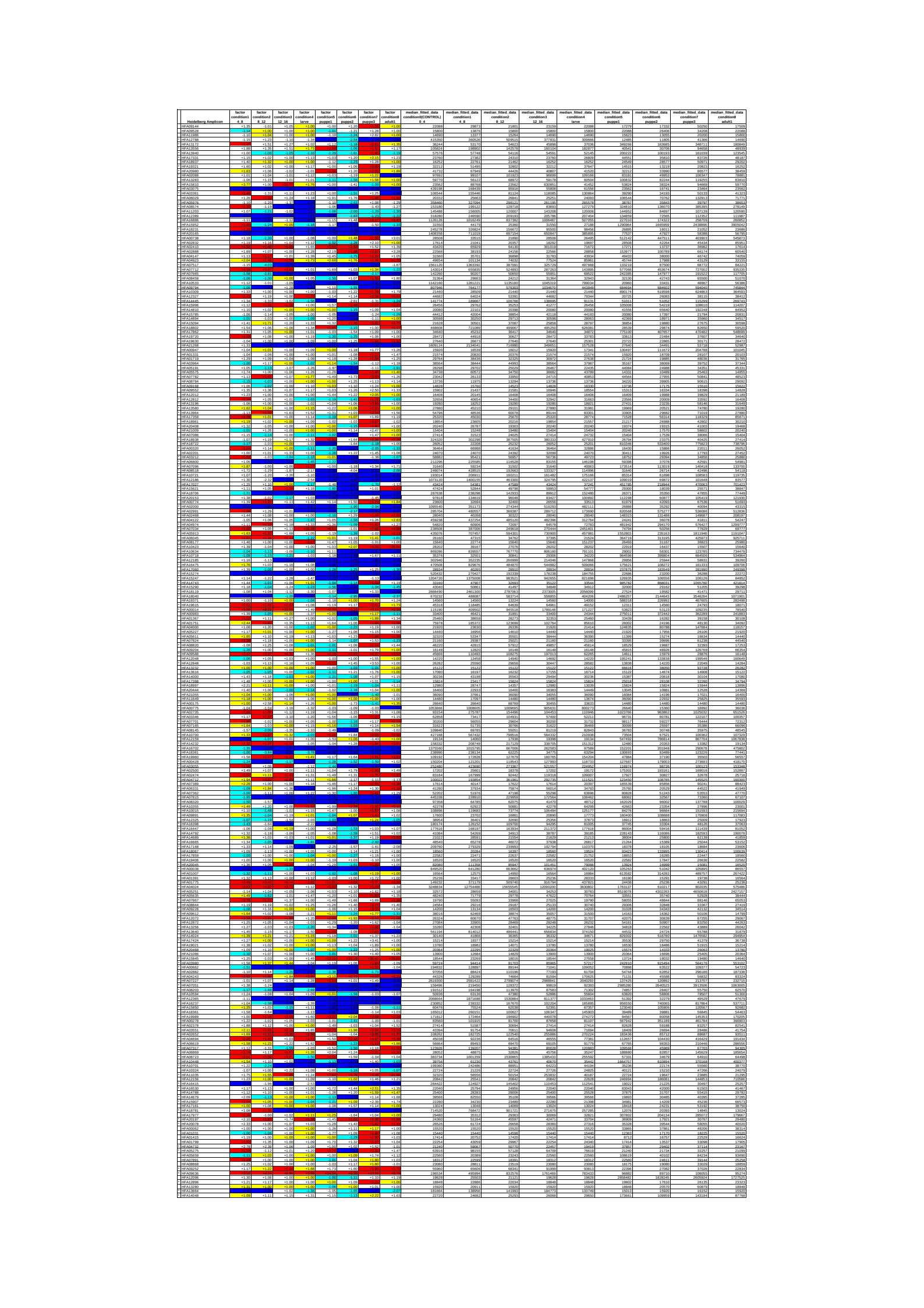
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA02831	-1.77	-1.71	-2.02	-3.33	-2.31	-2.35	-2.90	-2.99	1428148	807145	833439	707318	428856	106391	78523	113112	109207
*	HFA03450	+1.92	+1.09	+1.00	+1.40	+1.99	+1.04	+2.69	+1.73	27560	52793	30166	27560	38470	619572	607546	492498	477925
*	HFA04695	+2.52	+1.49	+1.50	-1.14	-1.16	-1.56	-1.21	-1.23	34054	85717	50787	51110	29754	54892	28533	74160	47746
*	HFA04629	+1.47	-1.20	-1.13	-1.06	-1.51	-1.43	-1.23	+1.19	510172	751418	424326	450220	482640	29438	21871	28238	27591
*	HFA06440	-1.29	-1.15	-1.28	-1.36	-1.04	-1.14	-1.25	-2.21	2801602	2169049	2445867	2182535	2060502	338471	357602	413610	608038
*	HFA06372	+1.36	+1.02	-1.03	+1.30	+3.65	+2.25	+2.90	+1.24	34410	46661	35086	33272	44719	2702539	2464267	2233678	1253909
	HFA06503	+1.39	-1.05	+1.00	+1.66	+1.44	-1.02	+1.90	+1.34	24980	34694	23838	24980	41446	125485	77562	99735	42524
*	HFA08409	+1.46	+1.04	+1.86	+1.49	+1.34	+1.05	+1.55	+1.70	69956	102301	72902	130434	103948	35985	24478	47489	33415
*	HFA10043	+1.72	+1.07	+1.34	+1.36	+1.73	+1.51	+2.16	+1.99	38620	66237	41373	51802	52397	93597	73769	108362	119226
*	HFA10530	+1.00	-1.55	-1.93	-2.16	-2.12	-2.35	-2.38	-2.99	1964606	1969673	1268009	1017079	907440	66763	58333	83247	76949
*	HFA09905	+1.25	-1.74	-1.26	-1.48	-3.13	-3.78	-2.09	-3.03	145730	182638	83744	115401	98615	928313	836265	825655	656088
*	HFA11827	+1.20	+1.17	+1.13	-1.14	+1.27	-1.03	+1.41	+1.82	30534	36630	35790	34365	26760	46609	38517	69835	48020
*	HFA15468	-1.17	-1.22	-1.63	-1.62	-1.20	-2.49	-1.38	-1.36	577270	492998	472730	353362	356438	38842	29733	43152	55616
	HFA16125	-1.00	+1.19	+1.34	+1.00	+1.13	+1.44	+2.26	+1.12	22088	22088	26380	29597	22088	481018	232227	417322	425158
	HFA16456	+1.30	+1.22	+1.00	+1.00	-1.25	+1.04	+1.30	+1.01	20486	26635	25089	20486	20486	24976	31846	49895	24634
*	HFA15118	+1.66	-1.08	-1.08	-1.01	-1.49	-1.21	-1.09	+1.06	34968	57920	32463	32342	34525	16389	21313	26596	20687
*	HFA16907	-1.23	-2.26	-2.21	-1.87	-3.45	-3.87	-2.50	-3.22	111080	90054	49082	50339	59510	23476	28792	32031	37020
*	HFA15056	+1.17	+1.19	+1.23	+1.33	+1.58	-1.24	+1.77	+1.59	35216	41339	41769	43300	46929	32196	28692	44346	34445
*	HFA18515	-1.26	-1.12	+1.39	-1.21	+1.14	-1.55	+1.32	+2.56	158728	125638	141820	220218	131071	55590	28470	62214	55913
*	HFA18375	+1.40	+1.09	+1.23	+1.68	+1.23	+1.03	+2.00	+3.44	35654	49887	38802	43751	59946	181682	102542	210164	406882
	HFA20239	+1.24	+1.25	+1.00	-1.01	-1.11	-1.06	-1.10	-1.09	24620	30642	30699	24620	24495	43912	36809	71133	122540
*	HFA19925	+1.56	+1.23	+1.05	-1.18	-1.23	-1.76	-1.29	-1.55	68536	107189	84207	72197	57880	22212	23186	22412	22611
*	HFA20716	-1.99	-1.44	+1.55	-1.69	-1.35	-2.05	-1.92	-2.40	121292	61047	84364	188224	71838	55632	38943	53257	44126
	HFA00253	-1.13	+1.02	+1.00	+1.00	+1.05	-1.03	+1.31	+1.00	19872	17539	20337	19872	19872	89844	59077	63151	50644
*	HFA01222	+1.03	-1.46	-1.87	-2.43	-2.89	-4.54	-2.63	-3.30	256668	264347	175558	137022	105750	20793	19208	25953	19872
*	HFA01606	-1.02	-1.01	-1.04	+1.03	+1.19	+1.15	+3.88	+1.33	24726	24314	24552	23835	25453	88757	56502	97498	77759
	HFA03855	+1.00	+1.00	+1.00	+1.08	-1.01	+1.69	+1.89	+2.35	16052	16052	16052	16052	17388	29482	28405	95841	32780
*	HFA05082	-1.33	-1.38	-1.35	-1.90	+1.00	-3.16	-1.59	-1.91	328620	247014	237950	243210	173087	15893	27124	30296	37678
*	HFA05467	+1.83	-1.05	+1.00	-1.07	-1.26	-1.20	+2.23	-1.23	35480	64810	33739	35480	33265	329323	104036	206047	172398
*	HFA05850	+2.02	+1.31	+1.21	+1.18	+1.16	+1.70	+3.71	+1.82	30068	60711	39376	36377	35561	28222	29553	79229	28832
*	HFA08082	+1.33	-1.22	+1.00	+1.08	+2.12	+1.50	+4.75	+2.35	32860	43652	26944	32860	35494	34882	51161	111550	54697
*	HFA09059	+1.42	+1.10	-1.23	+1.13	-1.06	-1.18	+2.63	+1.36	33864	48087	37239	27442	38366	69804	49355	156033	77231
	HFA09443	+1.06	+1.01	+1.00	+1.00	-1.09	+1.06	+1.69	+1.38	17906	18918	18105	17906	17906	31985	28583	89222	46003
	HFA11582	+1.49	+1.05	+1.00	+1.00	-1.00	+1.58	+1.80	+1.20	17640	26367	18551	17640	17640	16385	19041	30332	24746
	HFA12703	+1.05	-1.06	+1.00	+1.00	-1.04	+1.24	+1.79	+1.35	16924	17723	15960	16924	16924	17575	27808	31830	21169
	HFA13087	+1.06	-1.05	+1.03	+1.02	+1.00	-1.07	+1.29	+1.06	31256	33033	29802	32056	32003	16305	20957	30308	22913
*	HFA13471	-1.02	+3.16	+5.96	+1.63	+4.64	+2.69	+2.92	+2.16	232646	228412	734082	1387590	378181	31256	29143	40475	32993
*	HFA13855	+1.84	+1.07	+1.12	+1.38	+1.35	+1.12	+2.09	+1.50	32244	59205	34458	36248	44541	1079032	626234	680146	502941
*	HFA17237	+1.51	+2.01	+1.81	+1.04	+2.22	+2.10	+3.13	+1.83	23760	35982	47767	43046	24658	43572	36266	67260	48299
*	HFA17663	+1.36	-1.03	+1.12	+1.05	+1.00	-1.14	+2.24	+1.38	27726	37586	26796	30987	29128	52808	50010	74473	43485
	HFA19236	-1.05	+1.01	+1.00	+1.00	-1.46	-1.26	+2.53	+1.11	19120	18251	19300	19120	19120	27726	24299	62041	38293
	HFA20872	+1.78	+1.00	+1.00	+1.00	+1.00	+1.28	+2.48	+1.11	16482	29259	16482	16482	16482	13080	15211	48305	21212
	HFA12232	+1.21	+1.00	+1.00	+1.00	-1.20	-1.01	+1.25	+1.00	16054	19459	16054	16054	16054	16482	21166	40887	18292
*	HFA13552	+2.93	+3.32	+2.07	+1.31	+1.02	+1.29	+1.87	+1.22	48568	142531	161384	100470	63515	13387	15905	20113	16054
	HFA08737	+1.07	-1.05	+1.02	-1.24	-1.36	-2.72	-1.55	-1.53	65528	69962	62670	66761	52718	49311	62610	90851	59495
*	CG11446O21523	+1.03	+2.40	+1.37	-1.00	+1.22	+1.84	+1.38	+2.06	56538	58123	135804	77412	56526	48356	24114	42190	42967
*	HFA02003	+1.14	+1.08	+1.04	-1.33	-1.49	-1.85	-1.28	-1.33	286078	326392	309739	298006	215574	69133	104075	78247	116363
*	HFA02785	+1.02	+1.08	-1.25	-1.37	-1.35	-2.66	-1.48	-1.91	443760	451744	480131	354221	323849	191796	154416	223254	214351
	HFA04288	+1.39	+1.05	+1.22	+1.12	-1.12	-1.59	+1.15	-1.05	97904	136486	102569	119005	109663	328884	166971	299756	232296
*	HFA06362	+1.58	-1.22	+1.00	+1.97	-1.17	-2.10	-1.10	+1.45	32200	50948	26402	32200	63586	87295	61584	113004	92873
*	HFA08690	+1.00	-1.67	-1.56	-1.23	-3.53	+1.53	+1.97	+3.35	77096	77096	46257	49500	62817	27557	15329	29349	46627
	HFA10170	+1.68	+1.25	-1.12	+1.26	-1.00	+1.25	-1.02	+1.26	22720	38200	28479	20310	28541	21849	117936	152232	258636
*	HFA11857	+2.02	-1.02	-1.02	+2.13	+3.65	+5.29	+6.45	+15.59	30308	61283	29666	29594	64600	22659	28350	22306	28553
*	HFA16446	-1.42	-1.85	-2.26	-1.42	-2.75	-4.96	-3.15	-1.97	279392	196510	151328	123797	197173	110483	160219	195521	472577
*	HFA14236	+2.85	+1.28	-1.04	+2.42	+2.34	+3.25	+4.69	+2.87	23742	67657	30341	22787	57444	101624	56309	88706	141799
*	HFA18538	-2.13	-1.57	-1.18	-2.31	-1.80	-2.57	-2.10	-2.36	485138	227913	309590	411800	210052	55665	77121	111324	68118
*	HFA19396	+1.01	-1.19	-1.14	+1.05	+1.50	-1.66	-1.27	-1.02	209952	211430	176783	183970	219833	269818	188849	231402	205202
*	HFA00506	+1.44	+1.04	+1.20	+1.26	-1.53	-1.47	-1.03	-1.03	80408	116138	83886	96619	101288	315586	126196	165870	205069
	HFA02316	+1.21	+1.17	-1.00	+1.10	+1.25	+1.11	+1.46	+1.19	19680	23838	23046	19659	21629	52695	54591	77742	78225
*	HFA03046	+1.58	-1.20	+1.00	+1.03	+1.38	-1.38	+1.44	+2.49	22200	34995	18455	22200	22818	24565	21789	28657	23340
*	HFA03534	+1.73	-2.82	-2.21	-3.51	-4.96	-6.43	-3.97	-6.70	105872	183141	37488	47855	30193	30635	16052	31938	55317
*	HFA04244	+1.41	-1.02	-1.93	+1.14	-1.81	-1.67	-1.34	-1.35	133084	188029	130621	68838	151477	21351	16466	26687	15790
	HFA04287	+1.35	-1.10	+1.01	+1.21	+1.05	-1.06	+1.07	+1.41	36208	48957	32812	36588	43634	73438	79517	99119	98641
*	HFA06611	-1.04	-1.22	+1.10	-1.29	+1.02	-1.27	+1.52	+2.37	53900	51680	44294	59288	41849	38152	34127	38703	50923
*	HFA06722	+1.84	+1.19	+1.00	+1.56	+1.60	+1.51	+2.35	+5.31	25270	46455	30103	25270	39512	55189	42437	81803	127721
*	HFA06513	+1.32	+1.12	-1.00	+1.01	-1.10	-1.59	+1.23	+1.03	45160	59513	50426	45146	45518	40325	38077	59403	134067
*	HFA08191	+1.31	-1.14	-1.50	-1.29	-2.05	-2.82	-1.81	-2.11	99682	130942	87201	66516	77416	40904	28453	55611	46739
*	HFA10035	+1.65	+1.34	+3.95	+2.29	+7.60	+7.14	+3.98	+2.11	32680	54064	43642	128957	74829	48561	35321	55086	47158
*	HFA11247	+2.17	+1.12	-1.15	+1.00	-1.08	-1.60	+1.19	+1.27	23522	51080	26327	20433	23522	248226	233475	130016	68857
*	HFA10074	+1.20	-1.43	-1.41	-1.85	-1.98	-2.32	-1.31	-2.51	58548	70058	40970	41484	31669	21779	14727	27951	29790
*	HFA11657	+1.33	+1.21	+1.07	+1.46	+1.44	-1.06	+1.87	+2.27	39518	52642	47925	42113	57836	29619	25201	44751	23359
	HFA14343	+1.47	+1.61	+1.00	+1.70	+1.12	-1.21	+1.41	+1.01	21392	31529	34342	21392	36398	56935	37211	73862	89514
*	HFA15322	+1.08	-1.03	-1.47	+1.00	-1.23	-1.83	-1.19	-1.61	107688	116177	104994	73025	107688	24051	17677	30150	21632
*	HFA15016	-2.92	-2.42	-2.25	-1.23	-2.01	-3.17	-2.42	-2.99	133222	45635	55069	59082	108184	87374	58997	90287	66868
*	HFA17030	+1.48	-1.14	-1.58	-1.32	-1.50	-3.54	-2.06	-2.68	109908	162840	96353	69619	83430	66267	42028	55003	44534
*	HFA14254	-1.05	-1.32	+1.00	+1.00	-1.17	+1.02	+1.09	+2.69	23124	22032	17551	23124	23124	73321	31058	53319	41034
*	HFA15065	+1.06	-1.09	-1.14	-1.39	-1.62	-1.62	+1.27	-1.42	106792	113227	97538	93866	76579	19788	23598	25297	62266
*	HFA18189	+1.33	-1.13	-1.09	-1.19	-1.54	-2.31	-1.26	-1.86	62606	83061	55511	57478	52519	65738	65881	135217	75275
*	HFA17827	+1.16	-1.23	-1.31	-1.02	-1.56	-2.85	-1.27	-1.20	140216	161957	113946	107156	137704	40664	27128	49571	33689
*	HFA19399	+1.77	-1.13	+1.37	+1.32	+1.30	+1.36	+2.14	+2.72	45342	80321	40211	61939	60041	89639	49122	110429	116838
	HFA19358	+1.43	-1.19	-1.06	-1.02	-1.07	-1.39	+1.22	+1.07	25214	36019	21206	23691	24634	59078	61506	97028	123333
	HFA20925	-1.06	+1.14	+1.04	-1.16	+1.28	+1.53	+2.57	+1.82	19040	17957	21638	19850	16414	23500	18113	30697	26913
	HFA00862	+1.31	+1.23	+1.00	+1.07	+1.03	-1.32	+2.04	-1.12	21944	28849	27078	21944	23483	24352	29216	48896	34706
*	HFA01246	+1.14	+1.72	+1.81	+1.14	-1.00	-1.24	+2.06	+1.12	28680	32588	49229	51874	32625	22656	16634	44733	19613
*	HFA01630	+1.12	+1.01	+1.00	+1.00	+3.51	+5.12	+6.41	+7.17	17240	19330	17413	17240	17240	28656	23175	59037	32244
	HFA03879	+1.18	+1.12	+1.05	-1.23	-1.14	-1.19	+1.31	-1.08	41834	49553	47024	44075	34046	60506	88329	110530	123587
*	HFA05106	-1.22	+1.05	+1.37	-1.14	+1.10	-1.30	+1.40	+1.22	275592	226642	288753	376353	241313	36655	35181	54600	38844
*	HFA05490	-1.31	-1.34	-1.25	-1.97	-1.27	-2.84	-1.83	-3.03	670816	511468	501987	534906	340446	302893	212501	384946	336414
	HFA05874	+1.53	+1.05	+1.01	+1.11	-1.03	+1.04	+1.80	+1.24	21884	33559	23062	22030	24270	529770	236136	365755	221420
*	HFA08106	+1.40	-1.06	+1.03	-1.04	+1.22	-1.39	+1.56	+1.04	34804	48609	32781	35870	33443	21290	22719	39316	27124
*	HFA09083	-1.17	-1.37	-1.00	-1.12	+1.15	-1.18	+2.50	-1.15	38206	32788	27939	38099	34018	42499	25075	54215	36285
	HFA09467	-1.17	+1.03	+1.00	-1.07	-1.01	-1.45	+1.12	-1.04	17254	14693	17774	17254	16058	44007	32387	95491	33083
*	HFA11910	+1.09	+1.00	+1.00	+1.00	-1.02	+1.05	+3.33	+1.27	15974	17383	15974	15974	15974	17167	11915	19380	16584
	HFA12727	+1.66	+1.15	+1.00	-1.12	+1.15	+1.25	+1.76	+1.02	17080	28288	19669	17080	15268	15706	16807	53265	20230
	HFA13111	+1.81	+1.06	+1.14	+1.45	+1.03	-1.14	+2.43	+1.55	19252	34860	20476	21996	27833	19583	21389	30072	17477
*	HFA13495	+2.02	+1.63	+1.26	+1.13	+2.22	+1.28	+3.12	-1.13	33176	66961	54225	41764	37506	19780	16898	46700	29798
*	HFA13879	-1.37	-1.39	-1.07	-1.62	-1.19	-2.36	-1.38	-2.37	377930	276653	271114	353677	233825	73502	42592	103365	29337
	HFA17264	+1.59	+1.04	+1.00	-1.30	-1.25	-1.97	+1.58	-1.27	34380	54774	35892	34380	26542	318297	159829	273112	159612
	HFA18876	+1.21	+1.02	+1.00	+1.15	+1.07	+1.22	+1.98	+1.09	20842	25303	21172	20842	24024	27461	17417	54396	26981
	HFA19260	+1.00	+1.01	+1.00	+1.00	+1.01	+1.15	+1.21	+1.40	15200	15200	15352	15200	15200	22387	25454	41306	22808
*	HFA20898	+1.65	+1.07	+1.09	+1.14	+1.18	+1.01	+2.78	+1.23	32044	52929	34351	35081	36656	15379	17420	18359	21219
*	HFA18320	-1.11	-1.11	+1.13	-1.44	+1.10	-2.03	-1.16	-1.91	633578	572804	572649	718723	441195	37852	32443	89027	39293
*	HFA01538	+2.75	+1.77	+1.21	+4.13	+1.87	+1.27	+1.89	+1.91	134706	371065	237999	162529	556431	697026	312845	546020	331543
*	HFA10099	+2.50	-1.15	+3.66	-1.25	-1.36	-2.98	+1.06	-1.20	39810	99467	34652	145849	31887	252099	171405	254035	257031
*	HFA02044	+1.46	-1.38	-2.73	-2.08	-4.20	-7.54	-4.76	-4.15	281028	411011	203927	102951	134904	29252	13377	42397	33163
*	HFA03301	+1.71	+1.43	+1.03	-1.23	-1.44	-1.91	-1.69	-1.52	76708	130939	110027	79056	62448	66962	37279	59032	67793
*	HFA04423	+4.92	+9.39	+2.89	+1.83	+14.13	+8.25	+6.91	+13.93	44040	216544	413498	127333	80566	53223	40243	45417	50335
*	HFA06656	-1.26	-2.96	-8.68	-4.09	-4.53	-4.60	-4.45	-7.98	750526	594187	253610	86427	183309	622501	363496	304108	613270
*	HFA08626	+1.55	+1.55	+8.48	+1.45	+2.55	+2.73	+2.02	+1.85	32060	49567	49539	271996	46618	165709	163014	168830	94006
*	HFA10625	+2.18	+1.58	+1.03	+1.95	+1.00	+1.90	+4.10	+6.04	23160	50466	36606	23819	45231	81664	87397	64765	59442
*	HFA11806	-2.42	-1.71	-1.53	-1.50	-1.40	-2.07	-1.95	-2.21	248320	102549	144845	162157	165562	23160	44093	94992	139832
*	HFA16582	-2.80	-2.69	-1.67	-1.92	-1.33	-6.31	-4.43	-3.01	149500	53410	55609	89478	77750	177931	119779	127616	112124
*	HFA15935	-1.54	-2.61	-2.74	-1.54	-3.36	-3.85	-3.05	-1.82	256676	166825	98316	93712	166186	111992	23700	33736	49659
*	HFA18592	+1.54	+1.05	+1.38	-1.04	+1.67	-1.15	+1.47	+1.17	184052	282987	193773	253832	177628	76297	66675	84045	140816
*	HFA19805	+1.14	-1.13	-1.46	-1.25	-1.92	-1.96	-1.41	-1.06	79800	91112	70631	54822	63822	306990	160220	270877	216086
	HFA00766	+1.08	-1.04	+1.01	+1.97	-1.09	-1.63	+1.24	-1.03	77038	82886	74256	77789	151601	41538	40674	56790	75242
*	HFA02123	+1.78	+1.19	+1.00	+1.21	+2.10	+1.39	+1.52	+2.96	21828	38879	26057	21828	26391	70702	47386	95817	74903
*	HFA02983	+2.29	+1.72	+1.16	-1.26	-1.37	-1.87	-1.40	-1.22	78104	179118	134637	90789	61763	45947	30254	33219	64621
*	HFA02248	+2.09	+1.20	+1.12	+2.03	+1.14	-1.06	+1.47	+1.65	40408	84571	48652	45358	82120	56838	41851	55838	64058
	HFA04255	+1.16	+1.00	+1.05	+1.12	-1.07	-1.41	+1.56	-1.01	25124	29267	25124	26259	28096	46093	38073	59230	66602
	HFA04875	+1.63	+1.01	+1.00	+1.00	-1.24	-1.19	-1.14	+1.00	17400	28352	17495	17400	17400	23486	17764	39099	24957
*	HFA06235	-1.12	-1.40	+1.19	-1.31	-1.37	-1.02	+1.78	+1.53	194660	173715	138962	231279	148134	14071	14566	15247	17400
	HFA06666	+1.03	-1.02	+1.10	-1.18	-1.32	-1.43	+1.05	+1.02	120940	125032	118189	133458	102894	141571	191276	345682	298444
	HFA06773	+1.47	-1.01	+1.00	+1.25	-1.16	+1.06	-1.01	+1.10	18160	26685	17993	18160	22627	91500	84517	126607	123616
*	HFA08241	-1.61	-2.76	-2.22	-2.22	-4.10	-3.54	-1.63	-3.29	120980	75176	43881	54508	54414	15636	19335	17975	20066
*	HFA11136	+1.00	-1.25	-1.02	-1.09	-1.09	-2.48	-1.22	-1.38	108430	108619	86955	105963	99194	29536	34207	74303	36775
*	HFA09816	-1.29	-1.53	-1.49	-1.93	-1.27	-2.85	-1.78	-2.30	89246	69092	58404	59949	46260	99644	43793	89144	78291
*	HFA09868	+1.27	-1.07	-1.01	+1.21	+2.30	+2.37	+2.66	+5.20	48740	61723	45367	48140	59155	70138	31279	50236	38750
*	HFA11845	-2.09	-1.94	-2.02	-2.56	-2.13	-3.47	-1.98	-1.28	709516	340062	366238	351354	277253	112296	115686	129774	253408
*	HFA17070	+1.54	+1.11	+1.45	+1.28	-1.05	-1.12	+1.51	+1.03	43458	66846	48097	63006	55763	332396	204255	357496	553300
	HFA15520	+1.52	-1.04	+1.01	+1.00	+1.68	+1.00	+1.44	+1.56	20880	31808	20106	21054	20880	41461	38894	65830	44811
*	HFA17017	-1.74	-2.16	-3.81	-3.09	-2.85	-6.43	-4.09	-6.14	344200	198074	159254	90310	111409	34979	20969	30048	32576
	HFA15044	+1.48	-1.04	+1.00	+1.15	-1.08	+1.11	+1.14	-1.18	21360	31552	20533	21360	24458	120763	53518	84191	56037
*	HFA15703	-1.39	-1.90	-1.65	-2.06	-3.87	-2.51	-1.73	-1.94	122862	88668	64665	74248	59768	19850	23741	24287	18026
*	HFA16549	+1.58	+1.37	+1.04	+1.92	+1.56	+1.02	+1.75	+1.94	33480	52913	45714	34985	64140	32246	48924	71969	63309
*	HFA18425	+1.20	-1.03	-1.37	-1.46	-1.23	-1.49	+1.33	+1.05	85252	102174	82467	62104	58579	52325	34215	58537	64852
*	HFA17997	+1.06	-1.38	-2.09	-1.94	-2.05	-2.60	-1.59	-1.67	376022	399549	273306	179957	193522	69038	57108	113099	89710
*	HFA20288	-1.14	-1.24	-1.45	-1.78	-1.51	-1.46	-1.44	-2.94	953216	837029	767952	658543	534535	183603	144824	237096	224925
*	HFA19509	+1.15	+1.30	+2.20	+1.11	+1.70	+1.97	+3.27	+2.53	91060	104527	118663	200695	100646	631913	654506	661355	323783
*	HFA21051	-2.87	-3.49	-2.87	-4.19	-4.10	-6.42	-5.94	-6.79	769248	268144	220371	268115	183473	154915	179726	297466	230490
*	HFA00886	-1.20	-1.10	+1.02	+1.13	+1.21	-1.40	+1.47	+1.28	46332	38707	42209	47268	52535	187445	119897	129601	132894
*	HFA01270	+1.81	+1.02	+1.04	+1.52	+1.18	-1.30	+1.30	+1.45	48736	88268	49878	50699	73898	55879	33168	68182	59451
	HFA01654	-1.05	-1.01	+1.00	+1.00	+1.09	+1.03	+2.05	+1.04	15920	15201	15696	15920	15920	57705	37441	63468	70464
	HFA03903	+1.12	+1.06	+1.00	+1.00	+1.00	+1.03	+1.19	+1.11	13968	15686	14853	13968	13968	17310	16407	32582	16585
*	HFA05130	+2.19	+1.27	+1.06	+1.51	+1.24	-1.11	+1.94	+1.26	49226	107882	62738	52113	74269	13968	14352	16656	15524
*	HFA05514	+1.05	-1.00	+1.12	-1.06	+1.02	-1.22	+1.77	-1.29	40460	42467	40353	45225	38238	60837	44459	95352	62270
*	HFA05898	+1.86	+1.25	+3.15	+1.51	+2.01	+1.56	+2.12	+1.62	106654	198778	132855	336408	161146	41079	33156	71705	31459
*	HFA08130	+1.13	-1.17	+1.00	+1.12	+2.36	-1.12	+2.40	+2.75	28120	31773	24047	28218	31614	214883	166910	225886	172958
*	HFA09107	+1.26	+1.13	+1.00	-1.02	-1.11	+1.09	+2.29	+1.00	22694	28636	25603	22694	22320	66278	25213	67350	77389
*	HFA09491	+1.98	+1.85	+1.09	+1.58	+1.55	+4.24	+1.69	+1.16	15648	31019	28946	17128	24671	20445	24628	51973	22694
*	HFA11939	+2.38	+1.34	+1.33	+1.74	+1.37	+1.20	+4.19	+2.19	41968	99806	56168	55722	72925	24194	66418	26474	18119
*	HFA12751	+1.55	-1.11	+1.00	+1.08	+1.01	+1.17	+2.89	+1.17	23774	36928	21448	23774	25712	57298	50427	175810	91828
*	HFA13135	+1.38	+1.00	-1.01	+1.01	+1.75	-1.15	+2.07	+1.17	70434	97401	70592	69724	71367	24070	27924	68815	27918
*	HFA13519	+1.59	+1.31	+1.08	+1.00	+1.11	+1.74	+2.61	+1.94	22920	36449	29981	24763	22920	123562	61168	145801	82381
*	HFA13903	+1.07	-1.16	+1.17	-1.22	+1.10	-1.37	+1.74	+1.05	81536	86946	70126	95307	66730	25351	39812	59814	44530
*	HFA17290	+1.51	+1.55	+1.43	+1.29	+1.23	+1.05	+2.54	-1.05	31620	47767	48976	45167	40671	89371	59396	142168	85556
*	HFA18900	-1.34	-1.97	-3.10	-3.64	-2.19	-5.94	-2.05	-2.70	522494	389290	265520	168717	143360	38874	33073	80267	30183
*	HFA19284	+2.67	+3.05	+3.89	+3.79	+9.69	+7.41	+9.42	+5.06	25322	67651	77245	98506	96019	238955	88015	255140	193804
	HFA20936	-1.09	+1.04	+1.00	+1.00	-1.02	+1.13	+1.59	+1.23	18512	16926	19260	18512	18512	245490	187653	238526	128137
*	HFA02982	+1.14	+1.28	+1.00	+1.00	-1.08	+1.29	+2.30	+3.00	24200	27477	30878	24200	24200	18224	20935	29456	22819
*	HFA09602	+1.21	-1.19	+1.04	-1.12	-1.77	-1.44	+1.37	-1.16	64834	78735	54691	67684	57712	22388	31321	55751	72611
	HFA16383	+1.11	-1.19	-1.10	-1.14	-2.28	-1.89	-1.54	-1.44	43022	47955	36008	38956	37577	36568	44894	89080	55700
*	HFA02505	+2.28	+1.40	+1.61	+2.61	+1.32	+1.01	+1.49	+1.57	28974	66007	40562	46768	75756	18851	22729	27971	29912
*	HFA02056	-1.15	+1.09	+1.09	+1.14	+1.09	-1.08	+1.06	+1.82	71556	62022	77813	77753	81916	38334	29324	43141	45486
*	HFA04910	-1.86	-1.21	-1.15	-1.64	-1.20	-2.43	-2.00	-4.38	578270	310648	477242	501158	352626	77691	66088	75605	130062
*	HFA07081	-1.36	-1.75	-1.51	-1.64	-1.37	-3.11	-2.37	-3.42	444652	325888	254526	294549	270852	482819	237572	289655	132019
*	HFA08148	+1.45	-1.16	-1.67	-2.86	-2.08	-3.71	-2.84	-4.74	474208	688797	409464	283802	166041	325317	143164	187838	130120
*	HFA10815	+1.52	-1.04	-1.01	-1.31	-1.96	-1.92	+1.15	-1.18	58346	88975	55935	57542	44373	227906	127961	167055	100048
*	HFA11794	+1.19	+1.05	-1.42	-1.66	-2.13	-3.64	-1.99	-3.14	494042	588234	517215	346876	297384	29760	30394	67308	49383
*	HFA17073	+2.50	+1.98	+1.61	-1.34	+1.00	-1.40	-1.42	-1.34	287314	718598	569157	462419	214131	232097	135576	247649	157303
*	HFA16034	+1.27	-1.08	-1.56	-1.35	-2.56	-2.86	-1.36	-1.51	236878	300517	220199	151943	175202	287314	204985	201891	214620
*	HFA18518	+1.43	-1.04	-1.16	+1.19	-1.32	-2.54	-1.22	-1.25	115068	164895	110365	98951	136783	92670	82695	174791	156658
	HFA20162	+1.01	-1.11	+1.01	+1.09	+1.58	-1.36	-1.17	+1.52	21628	21794	19537	21798	23475	87043	45238	94291	92221
*	HFA00480	+1.72	+1.20	+1.00	+1.22	+1.06	+1.19	+1.89	+1.24	28396	48778	34136	28396	34611	34257	15847	18462	32914
*	HFA02616	+1.27	-1.06	+1.02	+1.42	+1.89	+1.85	+2.25	+2.91	33280	42124	31334	33925	47168	30191	33818	53660	35192
*	HFA02926	-1.32	-1.57	-2.25	-1.62	-2.24	-3.40	-1.79	-2.38	160866	121537	102226	71393	99404	62995	61594	74791	96980
*	HFA02440	+1.90	+1.09	+1.26	+1.77	+1.75	+1.16	+1.16	+1.40	90194	171572	98279	113699	159617	71944	47315	89714	67631
*	HFA04313	-1.22	-2.66	-2.87	-2.74	-4.37	-7.40	-3.41	-4.70	257376	210245	96625	89833	93942	158087	104506	104859	126217
*	HFA04901	-1.34	-1.53	-1.66	-2.88	-2.57	-4.08	-2.70	-2.54	318500	237028	208686	191513	110630	58891	34777	75453	54768
	HFA06220	+1.22	-1.00	+1.00	+1.15	-1.19	-1.20	+1.19	-1.01	26094	31949	25980	26094	30036	123957	77985	117983	125621
*	HFA06199	+1.25	-1.09	+1.42	-1.12	-1.52	+1.49	+2.25	+4.02	135736	169475	124025	192567	120779	21931	21708	31004	25901
*	HFA07661	+2.15	+2.99	+2.36	+1.80	+1.79	+1.64	+2.25	+3.38	49036	105540	146616	115614	88143	89307	201872	304831	545066
*	HFA08716	-2.67	-2.43	-1.90	-2.26	-2.65	-1.90	-2.55	-3.52	733714	274492	302384	385303	325218	87950	80573	110359	165968
*	HFA11300	+2.06	+1.92	+2.72	+1.15	+1.26	+1.28	+1.67	-1.09	72508	149628	139165	197474	83616	276430	386726	287287	208234
*	HFA09826	+2.23	+1.26	+1.16	+1.31	+2.43	+1.24	+1.98	+2.33	39670	88363	49893	46038	51963	91520	93158	121414	66222
*	HFA10521	+1.43	+1.00	+1.03	+1.19	+1.07	+1.08	+1.85	+1.75	29954	42966	30097	30762	35630	96249	49348	78605	92366
*	HFA11969	+1.31	-1.22	+1.56	+1.08	-1.17	+1.14	+1.15	+1.06	39088	51204	32083	61041	42371	32168	32497	55444	52317
	HFA16363	+1.04	-1.00	+1.00	-1.22	+1.07	-1.02	+1.09	-1.01	24768	25772	24680	24768	20233	33426	44616	44932	41406
*	HFA15251	-1.00	+1.08	+1.02	+1.00	-1.28	-1.15	+3.29	+1.81	23156	23156	24914	23645	23156	26543	24364	27058	24422
	HFA15316	+1.07	+1.34	-1.15	+1.00	-1.69	-1.66	-1.57	-1.04	21442	22916	28778	18582	21442	18150	20169	76263	41887
*	HFA14593	+1.67	-1.09	-1.16	+1.00	-1.06	-1.69	-1.10	-1.24	93298	155375	85837	80697	93453	12653	12920	13646	20573
	HFA15909	-1.12	-1.17	+1.02	+1.06	-1.00	+1.01	+1.53	+1.29	23484	20933	20064	23956	24911	88306	55360	84722	75518
	HFA16540	+1.11	+1.13	+1.00	+1.03	+1.00	+1.01	+1.62	+1.08	16880	18780	19099	16880	17357	23483	23702	35844	30315
*	HFA18463	+1.28	-1.38	-1.68	-1.63	-1.85	-3.06	-2.66	-2.15	64000	82002	46460	38028	39226	16880	16981	27388	18227
	HFA17753	+1.40	-1.10	+1.02	-1.06	+1.20	-1.77	+2.16	+1.10	63500	89170	57569	64806	59875	34603	20890	24094	29794
	HFA19687	+1.32	+1.01	+1.08	-1.08	-1.00	+1.18	+1.37	+1.51	54266	71488	54639	58865	50316	76211	35823	137343	69781
	HFA19738	-1.39	-1.13	-1.04	-1.26	-1.30	-1.75	-1.06	-1.01	49314	35557	43480	47386	39235	54006	64070	74408	82009
	HFA21152	+1.25	+1.20	+1.00	-1.01	+1.18	-1.26	+1.55	+1.11	18580	23153	22340	18580	18312	37970	28211	46402	48977
*	HFA00910	+1.57	-1.04	+1.21	+1.56	+1.73	+1.81	+3.27	+5.02	32710	51282	31529	39655	51039	21871	14726	28725	20569
*	HFA01294	+1.10	-1.11	-1.03	+1.11	-1.16	-2.20	+1.07	-1.15	86924	95911	78194	84043	96222	56536	59190	107006	164353
	HFA01678	+1.54	+1.00	+1.06	+1.04	+1.09	-1.00	+2.01	+1.00	20640	31762	20640	21938	21527	74978	39452	93429	75803
	HFA03927	+1.63	-1.18	+1.11	+1.12	+1.00	-1.30	+1.45	+1.13	24760	40238	20920	27421	27674	22471	20550	41554	20640
	HFA05154	+1.37	+1.01	+1.11	+1.32	+1.20	+1.37	+2.28	+1.33	21414	29341	21642	23666	28238	24760	19010	35920	27858
*	HFA05538	+1.46	+1.09	+1.08	+1.32	+1.86	+1.18	+2.84	+2.32	26762	39043	29163	28963	35273	25641	29355	48745	28482
*	HFA07732	-1.11	+1.15	+1.00	+1.00	-1.22	-1.03	+3.27	+1.70	15960	14414	18297	15960	15960	49894	31591	75937	62196
	HFA08747	-1.00	-1.01	+1.00	+1.03	-1.06	-1.36	+1.68	+1.02	17440	17356	17287	17440	17954	13131	15449	52158	27165
	HFA09131	-1.02	+1.00	+1.07	+1.07	-1.01	-1.07	+1.89	+1.32	24170	23636	24172	25841	25961	16411	12825	29215	17859
*	HFA09515	+1.39	+1.37	+1.81	+1.64	+2.54	+1.90	+2.31	+2.83	21684	30079	29767	39252	35530	23877	22621	45681	31870
	HFA11968	-1.00	+1.00	+1.00	+1.00	+1.00	+1.11	+1.28	+1.20	14560	14560	14560	14560	14560	55095	41185	50002	61406
	HFA12775	+1.38	+1.67	+1.08	+1.23	+1.56	+1.98	+1.56	+1.32	18156	25121	30373	19599	22386	14560	16162	18680	17527
*	HFA13159	+2.38	+1.60	+1.02	+1.19	+1.24	+1.03	+1.79	+1.01	47220	112317	75329	47994	56402	28291	36027	28323	24046
	HFA13543	+1.45	+1.14	+1.14	-1.14	+1.13	-1.81	+1.01	-1.63	112666	163698	128529	128418	98925	58465	48801	84374	47822
	HFA13927	+1.21	-1.15	+1.00	-1.12	-1.00	-1.83	+1.25	+1.08	29970	36349	26160	29970	26793	127236	62329	113946	68959
	HFA17317	+1.26	+1.06	+1.21	+1.05	+1.27	-1.04	+1.07	+1.03	70262	88315	74812	84858	74077	29927	16388	37349	32231
*	HFA18924	+1.80	+1.78	+1.73	-1.18	-1.03	-1.75	-1.04	-2.30	114734	206755	204148	198667	97405	89371	67811	75303	72690
*	HFA19308	+1.39	+1.41	+1.24	+1.44	+1.17	+1.03	+2.14	+1.12	39014	54072	55049	48406	56372	111225	65390	110532	49808
	HFA20962	+1.47	+1.00	-1.03	+1.04	-1.12	-1.17	+1.61	+1.08	26120	38287	26120	25309	27069	45452	40051	83634	43767
*	HFA03630	+1.68	+4.72	+5.11	-1.05	+1.80	+2.39	+2.14	+1.97	235650	396099	1111421	1203901	224485	23399	22342	41977	28086
*	HFA08959	+1.52	+1.51	+1.01	+3.02	+1.67	+1.09	+1.21	+1.12	60760	92647	91746	61086	183201	424757	562364	504898	465130
	HFA15260	-1.16	+1.13	+1.33	+1.09	-1.23	-1.47	+1.11	-1.48	70860	60991	79836	94587	77227	101498	66528	73316	68028
*	HFA03095	-1.96	-1.70	-1.36	-2.11	-2.19	-3.69	-2.20	-1.76	345774	176550	203628	255090	163866	57835	48136	78602	48006
	HFA03348	+1.13	+1.00	+1.00	+1.00	+1.00	-1.41	+1.00	-1.67	28236	31899	28236	28236	28236	157627	93738	156935	195912
*	HFA05018	+1.59	+1.04	+1.42	+1.65	+1.11	+1.30	+2.28	+2.99	225134	356974	233206	320756	371601	28236	19980	28248	16874
*	HFA05965	-1.58	-2.20	-2.06	-1.96	+1.26	-1.26	-1.76	-1.99	125376	79435	56967	60965	64042	250103	292294	512813	673934
*	HFA08154	-1.24	-1.40	-2.03	-1.62	-2.23	-3.47	-2.55	-2.82	418596	338865	299699	206245	258935	158227	99404	71349	62986
	HFA10529	+1.21	+1.01	+1.00	+1.32	+1.01	-1.03	+1.14	+1.06	48810	58877	49162	48810	64201	187517	120588	163991	148268
*	HFA12228	+1.56	+1.75	+2.49	+1.55	+2.07	-1.03	+1.61	+1.94	30156	47181	52839	75080	46599	49445	47252	55628	51753
*	HFA15550	-1.07	-2.29	-2.79	-1.16	-3.45	-10.30	-2.56	-3.99	250022	233545	109317	89736	215601	62378	29219	48471	58373
*	HFA15878	+1.11	-1.41	-1.31	+1.02	-1.40	-1.55	+1.04	+1.03	245254	271238	174194	187290	251019	72462	24281	97534	62736
*	HFA18427	+1.44	+1.05	-1.18	-1.21	-1.88	-1.90	-1.53	-1.94	903354	1305093	952632	766847	747737	174715	157791	255566	252751
*	HFA20229	+1.79	+1.55	+1.20	-1.54	-1.03	-1.79	-1.55	-1.09	199348	356264	308952	238422	129556	481628	475957	591700	465758
*	HFA00577	+1.61	-1.30	+1.42	-1.24	-1.78	+1.26	+2.29	+3.67	104752	168749	80356	148690	84545	194006	111615	128954	183160
*	HFA02285	+2.39	+2.17	+1.54	-1.14	+1.92	+1.86	+1.72	+1.13	34320	81897	74462	52847	30095	58796	131810	240130	384190
*	HFA02406	+1.71	+1.43	+2.15	+1.72	+2.18	+2.05	+2.16	+2.29	114088	195048	163430	245420	195935	65885	63780	59033	38698
*	HFA03062	+1.04	-1.21	+1.05	-1.47	+2.61	+2.05	+1.32	-1.09	211222	220639	175177	222180	143980	248909	234124	246230	261672
	HFA04135	+1.10	+1.00	+1.00	+1.00	-1.28	+1.00	+1.00	+1.00	12760	14014	12760	12760	12760	551875	432155	278175	193761
*	HFA04896	+1.74	+1.40	+1.00	+1.18	+2.17	+2.00	+2.34	+2.84	25800	44783	36145	25800	30407	9998	12760	12765	12760
*	HFA07647	-1.25	-1.86	-2.16	-4.05	-3.55	-4.57	-3.70	-5.48	3219190	2585380	1646598	1491291	795682	55927	51538	60321	73379
*	HFA06257	+1.36	+1.10	+1.62	+1.14	-1.04	-1.13	+1.11	+1.05	88414	120202	97158	142821	100618	905581	704361	869955	587008
	HFA06433	+1.50	+1.00	+1.00	+1.35	+1.00	+1.27	-1.03	+1.07	18634	28020	18634	18634	25233	84874	78289	98561	93061

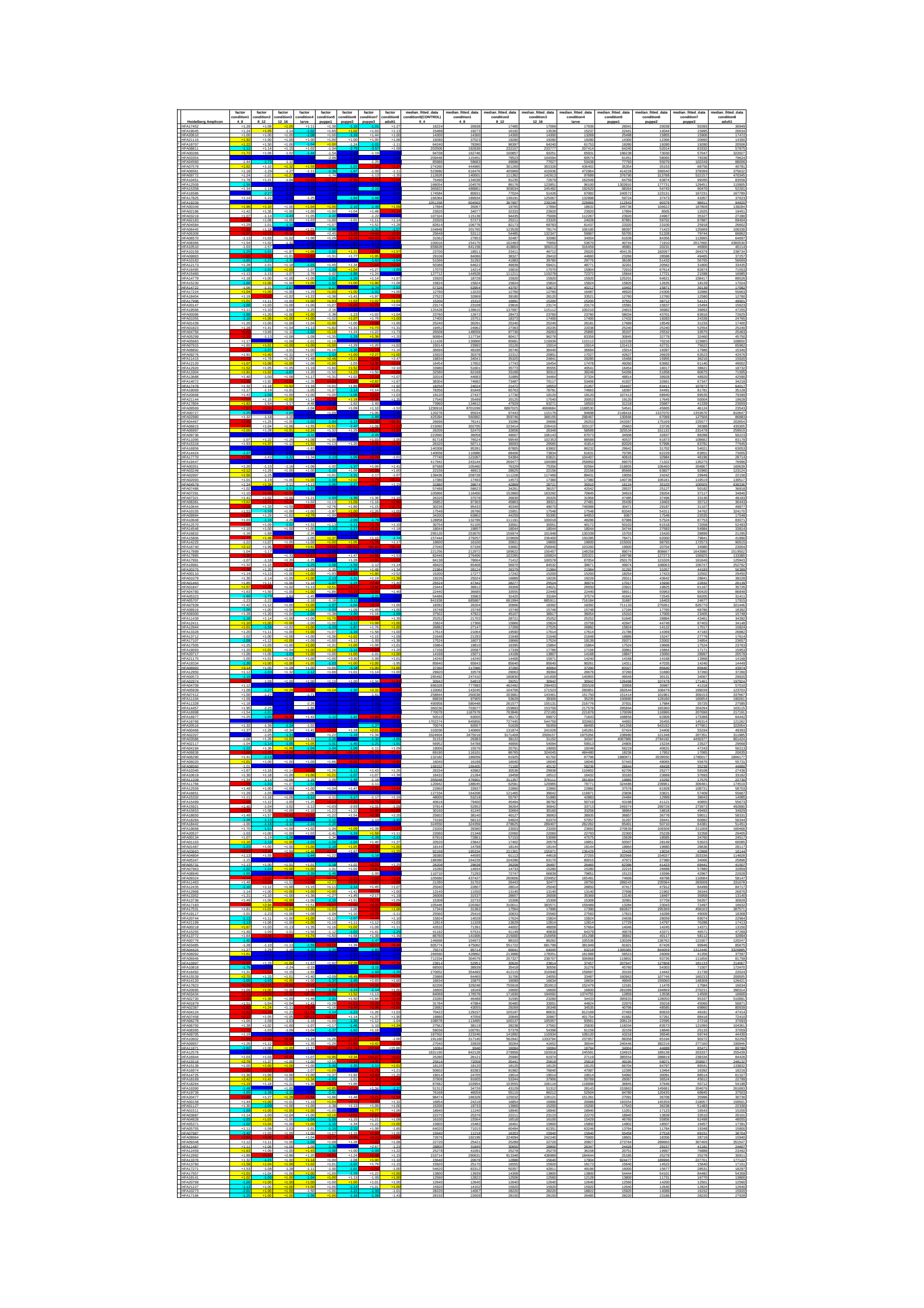


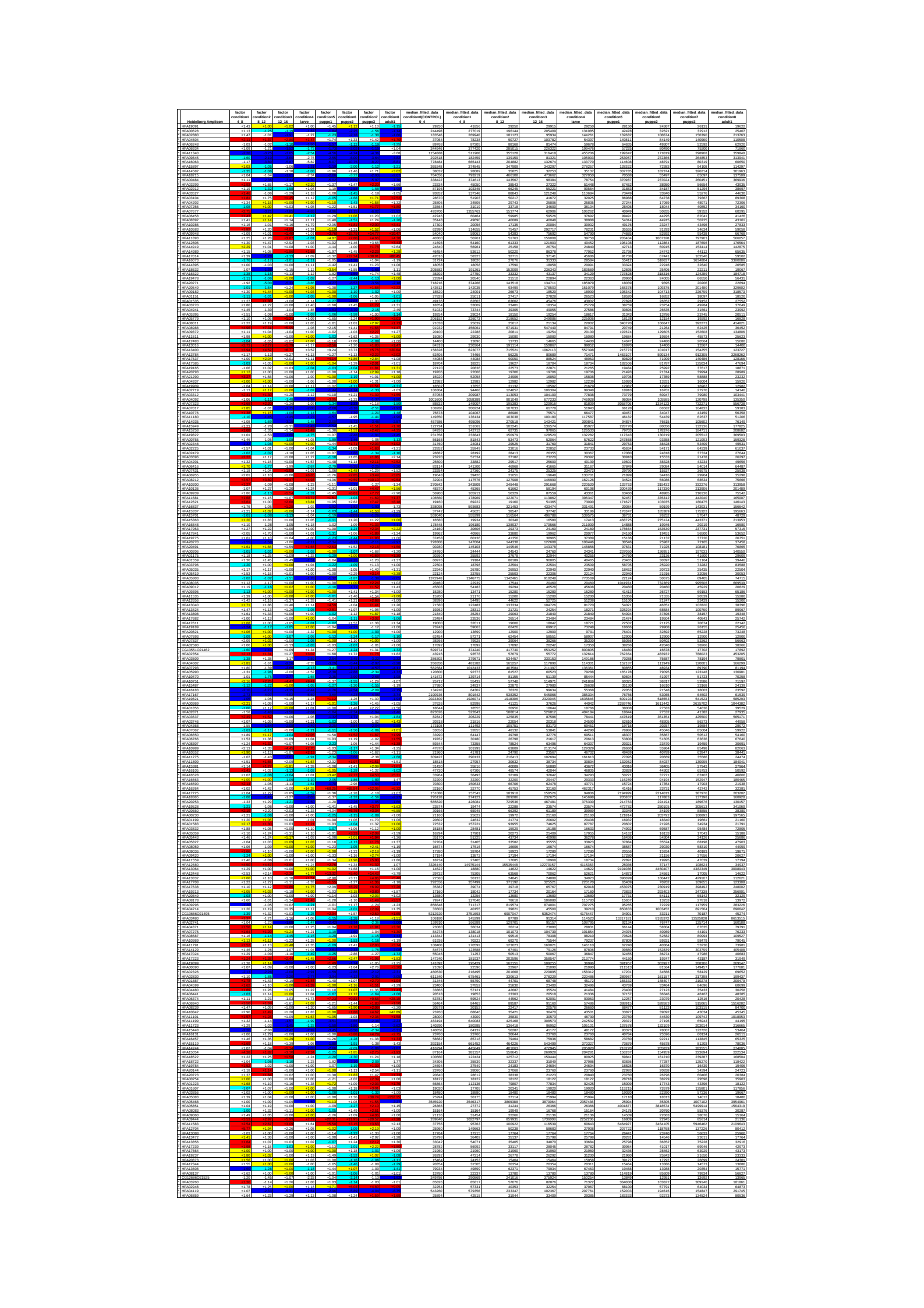




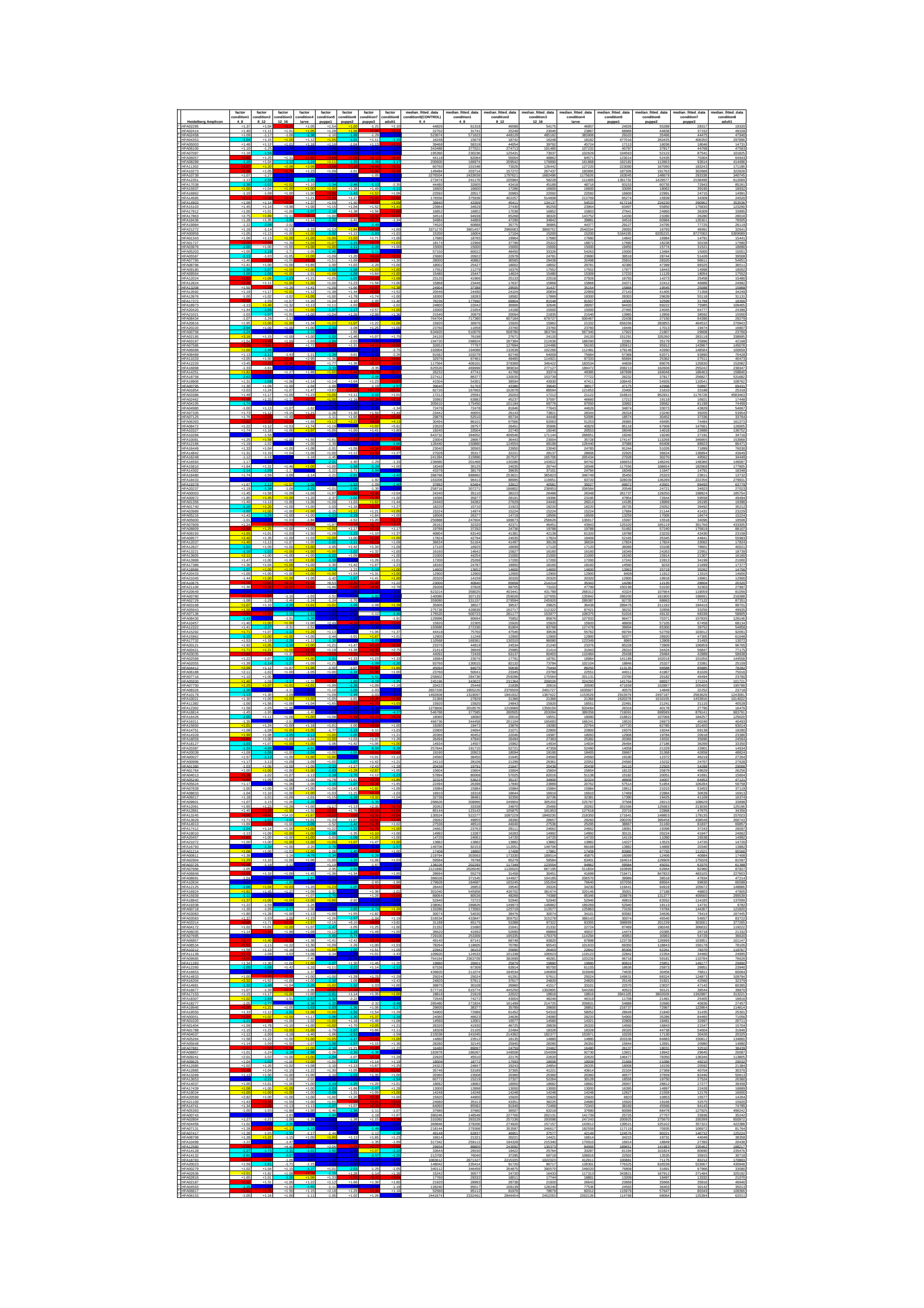




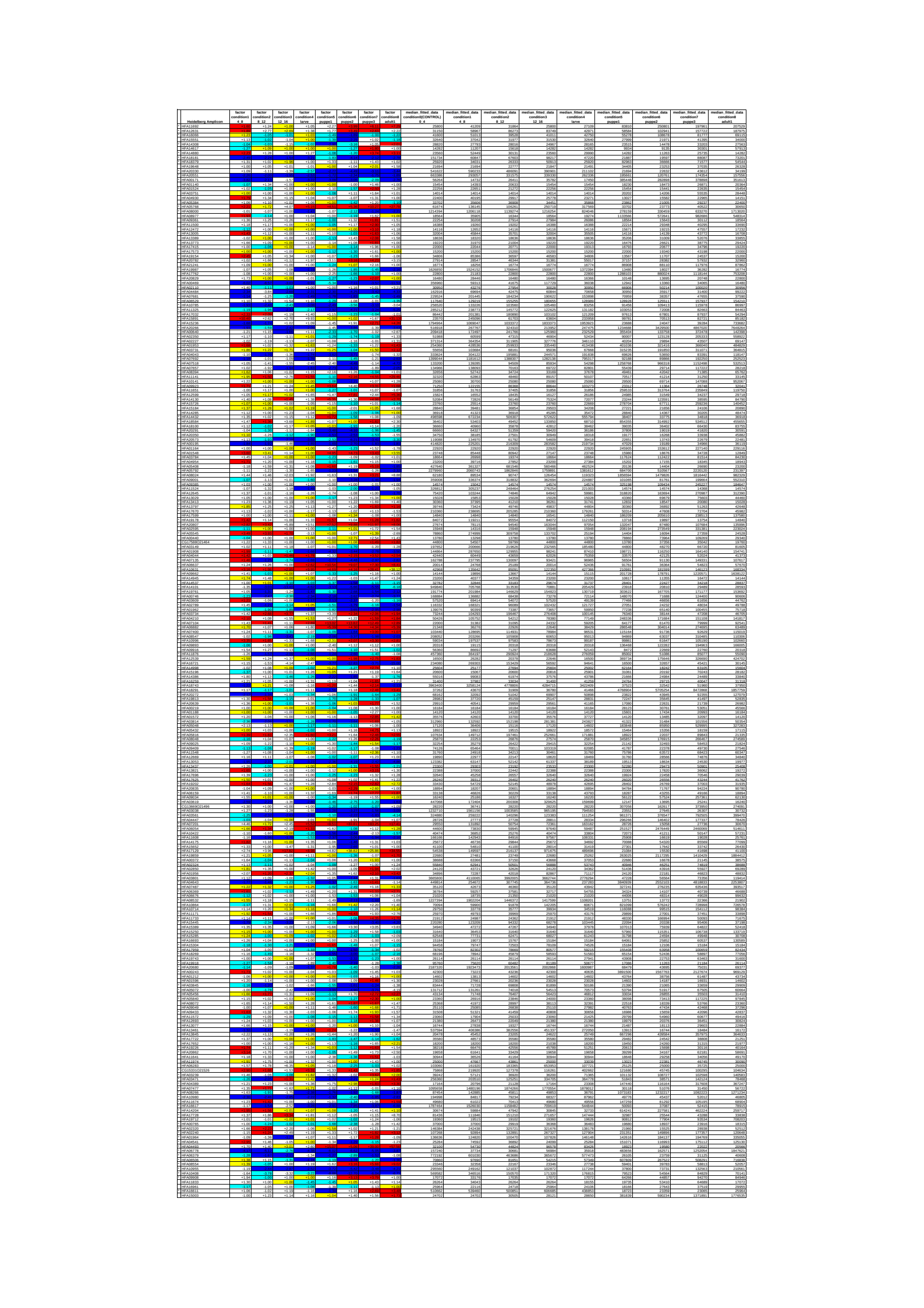


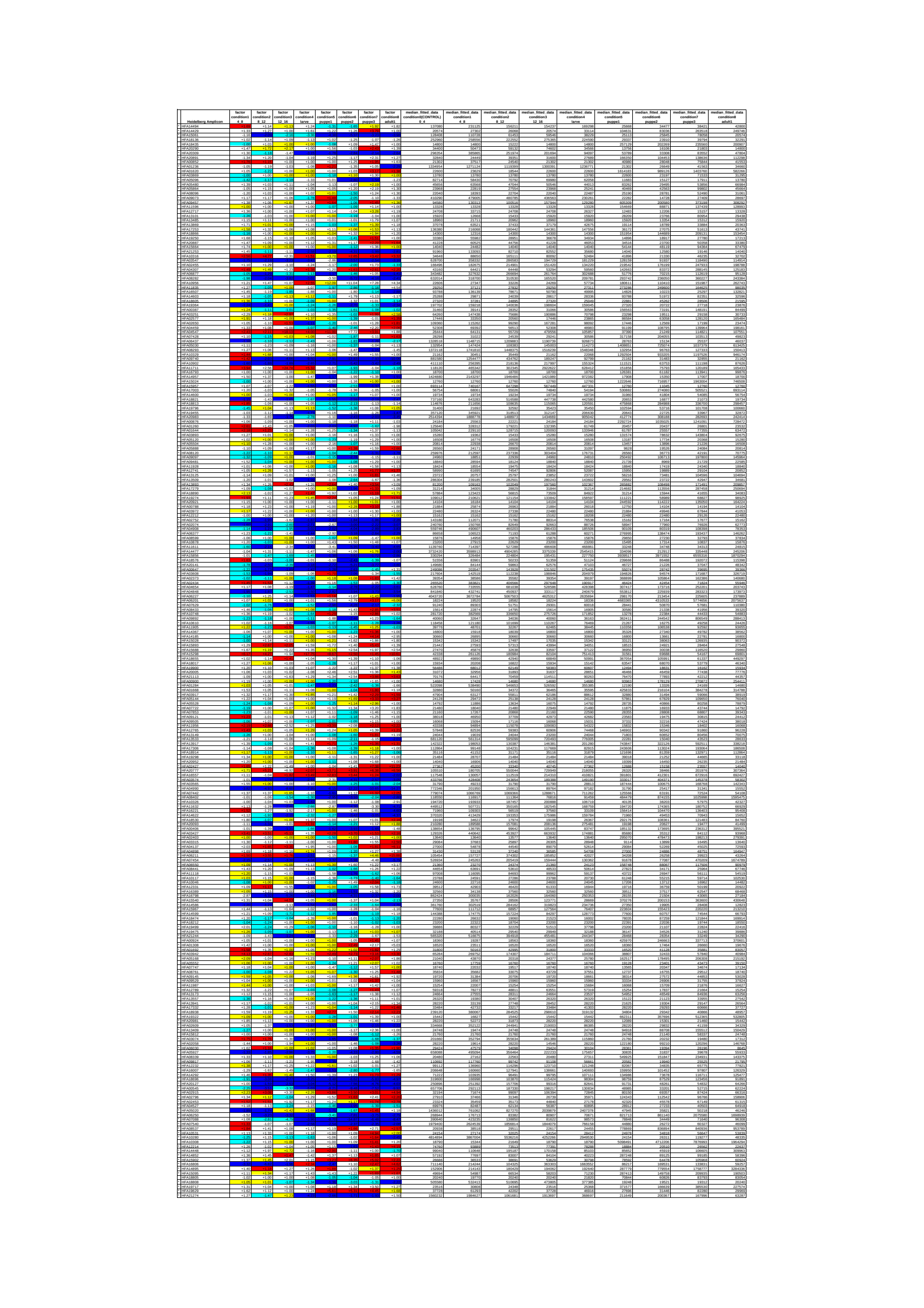


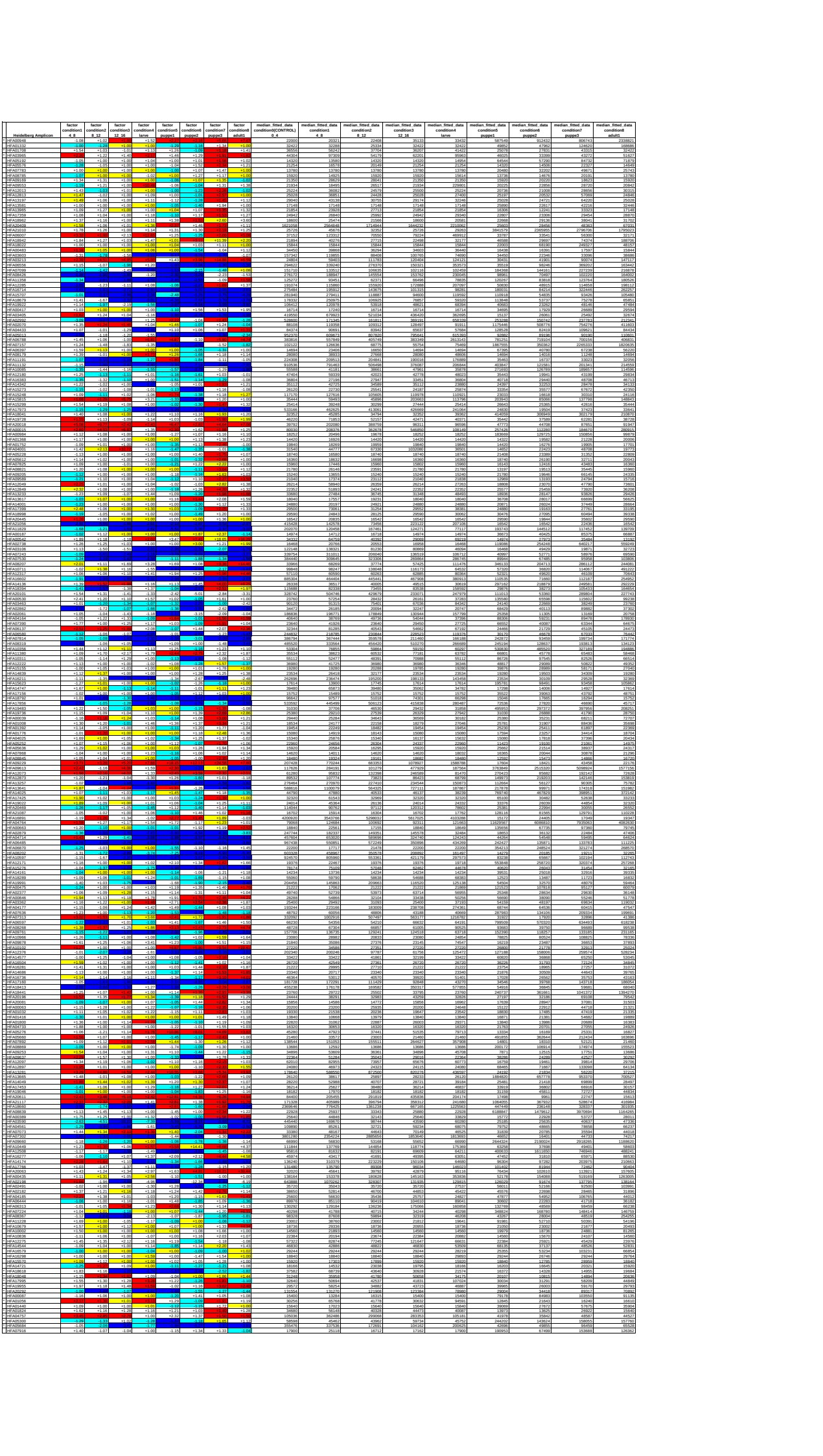
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA08234	+3.54	+3.61	+3.18	+2.04	+1.54	+1.46	+3.01	+4.96	134134	474560	484137	426168	273052	28035	32182	41223	43881
*	HFA10969	-1.16	-1.88	-1.49	-1.28	-2.88	-4.35	-1.72	-1.56	100714	87083	53473	67471	78863	207199	195270	404030	665121
*	HFA11603	+1.35	-1.50	-1.34	+2.27	-1.31	-1.19	+1.76	+3.25	105384	142181	70355	78481	239228	35013	23130	58580	64665
*	HFA16571	-1.20	-1.30	-1.53	-1.50	-1.69	-1.90	-1.31	-1.07	189896	158519	146495	123745	126887	80175	88603	185355	342468
*	HFA14213	+1.11	-1.57	-1.83	-4.13	-3.78	-5.56	-3.40	-3.44	222106	246485	141420	121239	53819	112138	99984	145211	177708
*	HFA17747	+1.19	-1.72	-3.33	-1.67	-2.07	-3.53	-1.78	-1.94	147762	175374	86068	44421	88343	58785	39919	65327	64632
*	HFA20221	+1.69	-2.32	-6.21	-3.41	-4.19	-5.61	-4.22	-5.18	174192	294839	75109	28065	51123	71539	41885	82971	76212
*	HFA00512	+1.21	-1.20	-1.38	-1.75	-1.27	-2.72	-2.11	-1.21	98840	119143	82159	71748	56399	41536	31044	41286	33599
	HFA03230	+1.68	+1.06	-1.01	-1.02	+1.01	-1.06	+1.48	+1.29	22176	37330	23497	21948	21832	77567	36384	46736	81862
*	HFA02568	+1.19	-1.19	+1.00	+1.00	+1.00	+1.53	+1.81	+9.14	24084	28612	20180	24084	24084	22378	20850	32862	28715
*	HFA02747	+2.13	-2.87	-3.47	-3.70	-6.37	-10.23	-5.44	-9.88	159214	339061	55405	45921	43082	24084	36871	43691	220115
*	HFA04546	+1.00	-1.18	+1.00	+1.02	+1.72	+1.25	+1.65	+2.51	24920	24920	21040	24920	25430	24986	15558	29279	16115
	HFA04612	+2.56	-1.27	-1.02	-1.08	-1.73	-1.28	+1.25	-1.09	47360	121185	37329	46288	43960	42792	31056	41061	62641
*	HFA06607	+1.59	+1.28	+1.16	+1.43	+1.29	+1.26	+2.08	+1.10	50680	80660	64955	58923	72260	27441	36969	59222	43458
*	HFA07152	+1.16	+1.05	+1.04	-1.26	-1.93	-1.27	-1.12	-1.24	156880	181501	165390	162519	124605	65529	63980	105599	55567
	HFA06527	-1.28	-1.38	-1.38	-1.30	-1.10	-1.87	-1.38	-1.74	47452	36934	34401	34290	36381	81138	123271	140475	126353
*	HFA08421	-1.79	-2.37	-3.56	-3.21	-2.92	-4.82	-2.58	-3.85	191280	106759	80707	53665	59517	43303	25352	34378	27242
*	HFA10034	+1.29	+1.20	+1.12	-1.12	+1.04	-1.44	-1.12	-2.15	590120	760875	706778	658987	528018	65493	39663	74028	49699
	HFA10128	+1.47	-1.01	+1.00	-1.17	-2.22	-1.38	-1.61	-1.21	28880	42591	28609	28880	24612	614547	409522	528974	274002
*	HFA11307	+1.54	+2.08	+17.44	+3.99	+3.15	+18.27	+16.84	+4.67	23632	36434	49091	412179	94383	13029	20868	17908	23800
*	HFA11671	+1.82	-1.12	+1.15	-1.04	+1.38	+1.16	+1.78	+1.42	36748	66712	32884	42426	35391	74550	431856	397845	110286
	HFA14344	+1.07	+1.00	+1.00	+1.55	-1.09	+1.07	+1.00	+2.12	19552	20951	19552	19552	30268	50812	42774	65383	52171
*	HFA14476	-1.10	-1.75	-1.12	-1.06	+1.83	+1.20	+1.87	+2.07	49290	44836	28133	44012	46477	17882	20937	19642	41469
*	HFA14238	+1.48	+1.05	+1.02	+1.21	+2.00	-1.17	+1.44	+1.29	105524	156703	111151	107967	127565	90367	59384	91967	102005
*	HFA15218	+1.09	-1.12	-1.49	-1.22	-2.92	-2.82	-1.34	-1.64	58222	63500	51830	39102	47825	210900	90153	151874	136440
*	HFA14256	+1.00	-1.24	+1.01	+1.44	-1.49	-1.18	+1.78	+2.75	22726	22726	18267	23024	32710	19944	20613	43397	35569
*	HFA16812	+1.00	-1.73	-2.97	-1.45	-2.24	-3.02	-2.25	-3.37	139310	139756	80491	46889	95777	15276	19306	40345	62391
	HFA18188	+1.02	+1.11	+1.09	+1.00	+1.20	-1.34	+1.15	-1.29	48480	49478	54054	52930	48480	62228	46104	61804	41372
*	HFA18796	-1.66	-2.47	-1.77	-2.18	-3.62	-3.66	-2.78	-4.41	265162	160068	107228	150059	121362	58244	36311	55568	37517
	HFA19742	+1.15	+1.14	+1.06	+1.02	+1.70	-1.54	+1.66	-1.01	40584	46510	46295	43091	41366	73303	72480	95240	60100
*	HFA19357	+1.91	+1.66	+2.19	+4.64	+1.97	+1.10	+2.08	+2.40	286114	546295	475529	626053	1328343	68993	26330	67228	40142
*	HFA20930	-1.34	-1.28	-1.62	-2.33	-1.89	-2.43	-2.44	-2.66	442656	330371	344744	273796	190301	562751	315273	594344	687741
*	HFA00863	+1.86	+1.27	+1.27	+1.26	+1.39	+1.00	+1.35	+1.41	104726	194726	132487	133097	131976	233945	182308	181737	166342
*	HFA01247	+1.95	+1.51	+2.90	+1.69	+1.89	+1.66	+1.70	+3.17	50414	98216	75948	146442	85103	145102	105148	141094	148091
*	HFA01631	+1.34	+1.01	+1.00	+1.00	-1.09	-1.02	+3.43	+1.40	21716	29184	22032	21716	21716	95473	83591	85663	159655
*	HFA03880	+2.56	+1.20	+1.00	+1.04	+1.00	+1.03	+1.62	+1.47	24314	62217	29116	24314	25216	19958	21382	74580	30369
*	HFA05107	-1.14	-1.07	+1.21	+1.22	+1.21	+1.09	+1.64	+2.06	32802	28865	30572	39568	40128	24411	24937	39418	35824
	HFA05491	-1.03	+1.04	+1.00	-1.02	-1.00	-1.57	+1.31	-1.00	26960	26049	27988	26960	26401	39835	35776	53901	67645
	HFA05875	+1.34	+1.00	+1.00	-1.04	-1.17	-1.32	+2.32	+1.00	18108	24267	18108	18108	17358	26868	17151	35419	26913
	HFA08107	-1.15	+1.00	+1.00	+1.00	+1.00	+1.05	+1.85	+1.00	13200	11513	13200	13200	13200	15514	13721	41991	18108
	HFA09084	-1.09	+1.02	+1.00	+1.00	-1.00	+1.51	+2.29	+1.10	17160	15673	17555	17160	17160	13200	13902	24355	13200
	HFA09468	-1.24	+1.00	+1.00	+1.14	+1.29	-1.01	+2.42	+1.00	18320	14807	18320	18320	20841	17115	25918	39361	18821
	HFA11911	+1.50	+1.25	+1.00	+1.28	-1.00	+1.39	+1.91	+1.24	14360	21530	18019	14360	18439	23556	18131	44288	18320
*	HFA12728	+6.92	+2.63	+1.45	+1.00	+1.17	-1.02	+1.14	+1.00	23408	162039	61640	33900	23408	14333	19939	27402	17772
	HFA13112	+1.31	-1.08	+1.00	+1.02	+1.00	+1.00	+1.90	+1.05	19080	25035	17586	19080	19522	27386	22855	26573	23408
*	HFA13496	+2.13	+1.06	+1.00	+1.05	+1.01	+1.21	+2.25	+1.11	22648	48309	23895	22648	23876	19080	19080	36228	20120
*	HFA13880	-1.09	+1.08	+1.00	+1.09	+1.05	+1.23	+3.77	+1.00	24480	22408	26418	24480	26774	22915	27293	50992	25056
*	HFA17265	+1.69	+1.11	-1.12	-1.04	+1.16	-1.61	+2.59	-1.02	29764	50204	32994	26610	28746	25761	30176	92169	24480
*	HFA18877	+1.09	+1.25	+1.02	+1.06	+2.06	+2.47	+2.42	+1.95	28124	30703	35253	28665	29881	34389	18482	77186	29223
*	HFA19261	+1.13	+1.03	+1.00	+1.00	+1.00	+1.16	+4.01	+1.17	23048	26061	23660	23048	23048	58059	69350	68101	54715
*	HFA20908	+1.92	+1.00	+1.18	+1.21	+1.89	-1.16	+1.92	+1.60	38480	73948	38505	45586	46471	23048	26778	92382	27072
*	HFA18843	-1.29	-1.83	-2.00	-2.97	-3.12	-3.31	-1.38	+1.41	297484	231257	162940	148716	100160	72878	33130	74041	61450
*	HFA01542	-2.80	-1.38	-1.66	-2.29	-2.58	-2.76	-1.20	-3.80	117368	41951	84855	70511	51147	95281	89828	215928	420788
	HFA09891	+1.95	+1.01	+1.79	+2.15	+2.03	+1.48	+2.14	+1.14	16068	31411	16235	28729	34617	45437	42529	97424	30849
*	HFA03638	+1.21	-1.59	-1.97	-2.65	-1.92	-2.70	-2.68	-3.89	976018	1184365	614926	494658	368685	32679	23710	34309	18245
*	HFA02466	+1.73	+1.00	+1.21	+1.38	+1.54	-1.11	+1.26	+1.37	57480	99212	57539	69573	79184	507654	361657	364611	250772
*	HFA04722	+1.51	+1.62	+1.90	+1.06	+1.11	-1.11	+2.01	+1.67	86556	130721	140065	164623	91887	88498	51554	72652	78688
*	HFA06959	+1.26	+1.53	+1.59	-1.17	-1.59	+1.09	+1.36	+1.91	341352	430817	521766	541314	292816	95866	77998	173566	144120
*	HFA08627	+1.41	+1.44	+1.41	+1.30	+1.10	+1.05	+1.84	+1.43	38244	53897	55140	54056	49550	214364	373658	465554	650641
*	HFA10926	+1.39	-1.01	+1.16	+1.71	+1.29	+1.17	+2.15	+2.10	34252	47781	34046	39756	58404	42249	40089	70391	54524
*	HFA11644	-1.44	-1.67	-2.16	-3.14	-2.59	-1.78	-2.32	-2.67	255640	178042	152907	118604	81482	44257	40129	73544	71874
*	HFA16581	-1.62	-9.38	-3.02	-6.93	-12.01	-11.01	-11.89	-9.31	309980	191820	33049	102636	44752	98768	143538	110196	95809
*	HFA14265	-1.54	-1.38	-1.91	-1.47	-2.13	-3.92	-3.02	-3.00	445178	289118	322807	233555	303138	25807	28161	26079	33297
*	HFA18733	-1.05	-1.25	-1.87	-2.00	-3.94	-4.01	-2.90	-3.38	229384	218937	184191	122427	114630	209328	113441	147498	148319
*	HFA19591	+1.19	-1.14	-1.21	-1.28	-1.28	-2.44	-1.61	-1.85	92688	110120	81119	76581	72582	58238	57192	79202	67821
*	HFA00395	+1.69	+1.11	+1.08	+1.16	+2.61	-1.49	+1.24	+1.14	89666	151653	99643	97184	103858	72315	37960	57624	50235
*	HFA03272	+1.40	-1.23	-1.40	-1.65	-2.19	-3.70	-1.94	-2.76	98928	138630	80313	70520	60090	233919	60232	111267	102466
*	HFA02581	+1.88	+1.41	+6.22	+1.08	+13.76	+13.67	+2.92	+1.00	23200	43524	32606	144349	24982	45196	26772	51084	35837
*	HFA02645	+2.42	+1.48	+2.18	+1.45	+1.48	-1.06	+3.09	+4.47	42008	101581	62292	91598	60791	319136	317192	67721	23200
*	HFA04051	+1.83	+1.05	-1.42	-1.83	-1.70	-2.13	-1.50	-1.29	87718	160197	92088	61903	47810	62092	39593	129796	187934
*	HFA04916	+1.38	+1.05	+1.02	+1.36	+9.87	+81.48	+98.91	+152.45	19414	26813	20449	19810	26308	51619	41215	58388	67903
*	HFA07590	+1.35	-1.21	-1.32	-1.73	-2.53	-3.34	-2.40	-2.79	118780	160459	97762	90008	68763	191541	1581918	1920329	2959741
	HFA06667	-1.16	+1.18	+1.00	+1.00	+1.03	+1.09	+1.22	+1.15	22360	19318	26490	22360	22360	46873	35591	49566	42550
*	HFA06774	+2.06	+1.13	+1.03	+1.79	-1.13	-1.32	+1.19	+2.14	26628	54854	30099	27373	47596	23085	24464	27347	25706
*	HFA08420	+1.62	+1.14	+1.24	+1.66	+1.63	+5.49	+41.26	+4.56	52378	84937	59613	64970	86767	23577	20111	31815	57111
*	HFA11137	+1.56	-1.51	-1.13	-1.86	-2.58	-4.56	-3.11	-2.76	58368	90765	38556	51475	31317	85249	287476	2161200	238986
*	HFA09818	+1.02	-1.24	-1.22	-1.45	-1.68	-2.60	-1.53	-1.75	208998	212805	168796	171601	144604	22638	12813	18742	21160
*	HFA10058	+1.31	-1.89	-2.48	-1.80	-2.22	-3.84	-2.74	-4.47	226120	295316	119653	92016	125955	124067	80402	136393	119558
*	HFA11705	+1.51	+1.05	+1.00	+1.39	+2.28	+3.38	+4.30	+7.45	25368	38279	26568	25368	35228	101655	58839	82429	50552
*	HFA16537	-1.00	-1.91	-4.62	-1.82	-5.56	-7.71	-3.66	-7.31	293700	293050	153743	63550	161669	57748	85699	108969	188947
	HFA16628	+1.55	+1.04	+1.00	+1.01	+1.00	+1.25	+1.85	+1.25	19068	29632	19856	19068	19262	52849	38076	80252	40169
*	HFA14231	-1.03	-1.38	-2.12	+1.01	-2.55	-5.02	-2.23	-3.09	103920	101048	75456	48912	105002	19068	23873	35315	23904
	HFA16986	+1.26	+1.40	+1.00	+1.00	-1.17	-1.02	+1.21	+1.25	21640	27275	30358	21640	21640	40750	20701	46542	33648
*	HFA15636	+1.19	-1.11	+1.01	-1.80	-2.13	-3.03	-1.68	-1.29	109446	129905	98230	111067	60771	18536	21202	26178	27153
*	HFA15323	+1.30	+1.35	+1.05	+1.00	-1.15	+1.35	+1.72	+2.88	17652	22899	23743	18569	17652	51401	36103	65316	84892
*	HFA17903	-1.01	-1.07	+1.00	-1.10	+1.07	-1.62	+1.37	+1.13	50440	49899	47115	50500	45670	15329	23812	30300	50893
*	HFA18015	+1.26	+1.08	-1.04	-1.21	-1.42	-1.65	+2.25	-1.01	37306	47140	40351	35990	30807	54141	31144	68897	57121
*	HFA19691	+1.35	+1.11	+1.06	+1.17	+1.35	-1.85	+1.27	+1.11	55764	75320	61650	58941	65134	26205	22576	83928	36819
*	HFA19508	+1.14	+1.18	+1.98	+1.10	+1.69	+3.75	+9.51	+6.06	25556	29188	30069	50586	28171	75500	30177	70699	61747
	HFA21050	+1.37	+1.32	+1.00	-1.03	-1.42	+1.00	+1.68	+1.15	26860	36788	35442	26860	25979	43075	95951	243044	154843
	HFA00887	+1.11	+1.09	+1.00	+1.00	-1.65	-1.24	-1.00	+1.00	17120	18981	18731	17120	17120	18910	26947	45190	30871
	HFA01271	+1.14	-1.02	+1.00	+1.09	-1.22	-1.07	+1.27	+1.22	22956	26204	22602	22956	24950	10395	13859	17120	17120
	HFA01655	+1.02	+1.03	+1.00	+1.00	-1.06	-1.05	+1.30	+1.00	15920	16283	16374	15920	15920	18811	21444	29267	27904
	HFA03904	-1.00	+1.00	+1.01	+1.00	-1.71	-1.13	+1.00	+1.00	13774	13774	13774	13964	13774	15069	15188	20757	15920
*	HFA05131	+1.32	+1.48	+1.34	+1.48	+1.77	+1.02	+1.33	+1.15	67646	89138	99881	90790	100287	8066	12178	13774	13774
*	HFA05515	+1.22	+1.15	+1.78	-1.19	+1.26	-1.61	+1.24	-1.12	177440	215816	204091	315413	148727	119787	68827	89657	77576
	HFA05899	+1.34	+1.05	+1.00	+1.00	-1.08	+1.19	+2.39	+1.00	20550	27539	21554	20550	20550	223036	110137	219232	157732
	HFA08131	+1.24	+1.07	+1.00	+1.00	-1.28	+1.21	+1.39	+1.00	16160	20028	17337	16160	16160	18949	24512	49027	20550
	HFA09108	+1.06	+1.00	+1.00	+1.00	-1.33	+1.06	+1.74	+1.00	18800	19896	18800	18800	18800	12600	19504	22422	16160
	HFA09492	+2.91	+1.05	+1.00	+1.26	+1.37	+1.44	+2.89	+1.05	17088	49750	17906	17088	21601	14140	19850	32622	18800
	HFA11940	+1.02	+1.00	+1.00	+1.00	-1.10	+1.17	+2.48	+1.10	14642	14882	14642	14642	14642	23481	24618	49345	17996
*	HFA12752	+1.16	-1.05	+1.00	+1.00	+1.03	+1.05	+2.38	+1.04	27950	32351	26543	27950	27950	13277	17070	36333	16049
*	HFA13136	+1.56	-1.05	+1.00	+1.04	+1.26	-1.12	+2.32	-1.02	29316	45794	27957	29316	30621	28909	29403	66520	29205
*	HFA13520	+1.65	-1.00	+1.02	+1.00	+1.70	-1.35	+1.47	-1.09	39320	64741	39267	40027	39420	36826	26086	68025	28655
*	HFA13904	+1.56	+1.34	+1.31	-1.03	+1.29	+1.07	+2.30	+1.64	31594	49397	42334	41346	30639	67016	29102	57837	36082
*	HFA17291	+1.44	+1.23	+1.20	+1.10	+1.20	+1.01	+2.14	+2.20	27480	39463	33908	33026	30294	40742	33675	72558	51792
*	HFA18901	+1.79	+1.13	-1.00	+1.01	-1.68	-2.03	-1.53	+1.00	31102	55744	35151	31011	31422	33086	27798	58846	60584
	HFA19285	+1.24	+1.04	+1.10	+1.38	+1.37	-1.10	+1.34	+1.00	32106	39753	33455	35373	44263	18466	15329	20313	31102
	HFA20937	+2.64	+1.00	+1.00	+1.00	+1.00	+1.00	-1.00	+1.00	15890	42021	15890	15890	15890	43836	29059	42997	32106
*	HFA03186	+1.24	+1.00	+1.11	+1.47	+1.00	+2.01	+2.22	+1.45	25760	31986	25760	28619	37903	15890	15890	15890	15890
	HFA09614	+1.31	+1.19	+1.01	+1.34	+1.00	-1.29	-1.00	+1.05	19074	25007	22721	19233	25608	25838	51886	57063	37268
	HFA15156	+1.04	-1.50	+1.00	-1.58	-1.10	-1.26	-1.02	-1.11	52360	54577	34980	52360	33073	19074	14760	19074	19943
*	HFA03341	-1.12	-1.77	-2.84	-4.01	-3.63	-7.38	-4.05	-4.82	246874	219880	139821	86942	61491	47576	41644	51262	47156
*	HFA03545	+1.13	-1.65	-1.59	-2.22	-2.04	-3.13	-2.09	-2.13	207440	234256	125891	130410	93429	67925	33432	60950	51219
*	HFA04909	+1.45	+1.21	+1.01	+1.94	+1.19	+2.61	+3.14	+4.88	23488	34102	28428	23838	45549	101525	66327	99420	97468
*	HFA07116	-1.88	-2.50	-3.50	-3.22	-3.06	-3.91	-3.36	-5.30	1945920	1036427	778977	556660	603563	27867	61208	73731	114569
*	HFA08706	+1.75	+2.42	+1.54	+1.09	-1.20	-1.58	-1.38	-1.04	193266	338539	467937	298452	211014	636141	497684	578734	367189
*	HFA09851	-1.41	-1.35	-1.91	-2.88	-2.93	-4.50	-1.73	-2.82	272122	193224	201427	142200	94480	160898	122427	139776	185709
*	HFA11894	-2.94	-3.89	-11.34	-7.76	-8.93	-13.08	-10.27	-8.96	727660	247444	187183	64154	93756	92950	60497	157566	96584
*	HFA17039	-1.18	-1.44	-2.37	-4.00	-4.08	-6.57	-4.93	-4.06	778370	662189	539382	328623	194395	81518	55611	70859	81196
*	HFA16039	+1.59	+1.13	+1.00	+1.19	+1.39	+2.48	+3.01	+3.81	27220	43376	30777	27220	32502	190930	118421	157910	191898
*	HFA18577	+1.69	+1.17	+1.52	+2.29	+2.07	+1.15	+2.25	+8.29	80978	136624	94795	122701	185215	37871	67621	81992	103604
*	HFA19795	-1.44	-1.35	-1.01	-1.37	-2.27	-2.32	-1.69	+1.05	205680	143118	152388	203504	150107	167972	93112	182311	671042
*	HFA00402	+2.22	+1.44	+4.00	+1.30	+2.17	+7.67	+8.31	+5.33	36556	80976	52765	146160	47535	90647	88729	121416	216704
*	HFA02614	+2.66	+1.30	+1.25	+1.39	+1.70	+1.75	+1.72	+3.35	38830	103430	50563	48555	54133	79319	280320	303684	194980
*	HFA02928	+1.35	-1.55	+1.12	-2.35	-2.59	-1.08	+1.66	+3.36	566878	767329	364658	633592	241165	65942	67788	66850	130035
*	HFA02950	+1.83	+1.19	+1.00	+1.56	+2.83	+4.41	+3.62	+6.05	30624	55912	36313	30624	47792	218866	523881	939938	1906027
	HFA04621	+1.54	-1.07	-1.41	-1.03	-1.25	-1.95	-1.28	-1.04	82276	126759	76971	58467	79552	86637	135137	110847	185153
*	HFA04860	+2.29	+2.36	+1.65	-1.11	+1.19	-1.24	+1.21	-1.45	60284	137754	142416	99627	54236	65653	42126	64468	78844
*	HFA06218	-1.40	-1.73	-1.27	-1.13	-1.46	-1.51	-1.29	-1.42	59560	42536	34526	46973	52789	72007	48601	72965	41613
*	HFA06197	+1.86	+1.21	+1.06	+1.74	+2.17	+1.34	+1.56	+1.89	29280	54555	35526	31151	50853	40281	39554	46125	42042
*	HFA06066	+1.63	+1.02	-1.24	-1.46	-2.20	-3.17	-1.18	-1.64	33856	55275	34449	27308	23175	63449	39202	45588	55470
	HFA08140	+1.24	+1.13	+1.00	+1.08	-2.00	+1.02	+1.01	+1.01	16048	19866	18194	16048	17256	15405	10667	28721	20645
*	HFA10680	+1.00	-1.12	+1.35	+1.16	-1.89	-1.16	-1.34	-1.05	150406	150603	134565	203037	174964	8040	16339	16252	16213
*	HFA09835	-1.15	-1.35	-1.70	-2.25	-2.19	-3.66	-2.25	-4.52	1251776	1092697	928812	737427	557570	79519	129843	112558	143737
*	HFA10522	+1.00	+1.04	+1.64	+1.76	+1.24	+1.59	+2.95	+2.28	22040	22040	22894	36107	38887	572269	341554	555912	276929
*	HFA11976	-2.82	-1.84	-1.89	-5.57	-2.63	-4.83	-4.40	-5.30	1044556	369871	567502	553578	187531	27226	34985	64987	50314
	HFA14372	+1.49	+1.15	+1.00	+1.32	-1.20	-1.73	+1.38	-1.01	32480	48391	37321	32480	42735	397727	216141	237546	197129
	HFA15271	-1.18	+1.00	+1.00	+1.00	-1.36	+1.00	+1.27	-1.63	23760	20199	23760	23760	23760	27143	18789	44954	32240
*	HFA15529	+1.73	+1.01	-1.63	+1.18	-1.36	-1.97	-1.37	-1.85	187928	326012	190117	115437	221326	17408	23760	30138	14600
	HFA14592	+1.35	+1.00	+1.00	+1.00	-1.27	-1.58	-1.06	+1.14	18560	24994	18560	18560	18560	137749	95172	137541	101560
*	HFA15228	+1.14	+1.25	+1.34	+1.05	+1.01	-1.82	-1.70	-1.78	169856	194121	211940	227290	178065	14558	11744	17483	21144
	HFA15431	+1.40	+1.13	+1.00	+1.01	-1.02	+1.29	-1.03	+1.00	13780	19242	15578	13780	13867	171437	93274	100047	95443
*	HFA18777	+1.18	+1.24	+1.01	+1.57	+1.07	-1.18	+1.94	+1.27	28086	33045	34878	28310	44168	13572	17800	13406	13780
*	HFA18691	+1.92	-1.06	+1.00	+1.10	-1.41	-1.98	+1.10	+1.50	33680	64788	31776	33680	37092	29937	23812	54538	35731
	HFA19492	-1.04	+1.06	+1.00	+2.01	+1.09	-1.09	+1.02	+1.08	16134	15559	17050	16134	32380	23854	16979	36935	50475
	HFA20055	+1.19	+1.15	+1.00	+1.56	+1.51	+1.66	+1.89	+1.26	19644	23380	22643	19644	30636	17628	14863	16392	17377
*	HFA21160	-2.17	-2.16	-2.53	-3.30	-2.89	-5.51	-3.35	-4.35	463952	213796	214959	183079	140572	29714	32681	37136	24671
	HFA00911	+1.26	-1.06	+1.00	+1.00	+1.00	+1.00	+1.16	+1.00	14004	17682	13233	14004	14004	160270	84222	138331	106609
	HFA01295	-1.12	-1.05	+1.00	+1.00	+1.00	+1.29	+1.52	+1.00	22712	20311	21670	22712	22712	14069	14004	16275	14004
*	HFA01679	+3.14	+2.95	+1.64	-1.36	+1.07	-1.16	+1.07	-1.56	40606	127522	119749	66530	29754	22712	29356	34543	22712
	HFA03928	+2.02	+1.11	+1.00	+1.00	+1.12	-1.19	-1.00	+1.00	14460	29184	15994	14460	14460	43275	35154	43469	25974
	HFA05155	+1.13	+1.00	+1.00	+1.00	+1.13	+1.61	+2.03	+1.54	15240	17282	15240	15240	15240	16158	12113	14460	14460
	HFA05539	+1.39	-1.14	+1.01	-1.21	+1.09	+1.00	+1.85	+1.30	21096	29409	18489	21278	17506	17153	24521	30964	23494
*	HFA07733	+1.30	-1.06	+1.03	+1.00	+1.45	-1.16	+2.17	+1.79	29520	38428	27896	30311	29520	22930	21146	38984	27519
*	HFA08748	-1.15	-1.48	-1.10	-1.66	-1.11	-2.75	-1.60	-2.29	511802	444127	400333	466336	308280	42799	25496	63939	52735
*	HFA09132	-1.31	-2.91	-4.93	-3.87	-3.88	-14.42	-9.16	-8.62	156612	119363	53855	31751	40428	461434	186360	320092	223504
	HFA09516	-1.23	+1.00	+1.00	+1.00	+1.04	+1.00	-1.11	+1.00	12760	10347	12760	12760	12760	40366	10863	17106	18168
*	HFA11970	+1.46	+1.50	+1.14	-1.09	+1.81	+1.13	+2.26	+1.41	26928	39239	40361	30749	24766	13247	12760	11446	12760
	HFA12776	+1.53	+1.19	+1.08	+1.00	+1.20	+1.08	+1.71	-1.06	27968	42824	33385	30074	27968	48840	30557	60819	37862
*	HFA13160	+1.94	+1.15	+1.05	-1.16	+1.15	-1.11	+2.16	-1.13	24534	47695	28252	25675	21107	33490	30087	47700	26301
*	HFA13544	+1.92	+1.13	+1.05	+1.00	-1.24	-1.09	+2.18	-1.01	35208	67467	39705	36901	35208	28246	22088	53085	21777
	HFA13928	-1.10	-1.02	+1.00	+1.00	+1.19	+1.15	+3.15	+1.00	14554	13182	14218	14554	14554	28419	32279	76624	34959
*	HFA17318	+1.30	+1.12	-1.02	+1.00	+1.14	+1.74	+3.41	+1.69	23712	30936	26504	23344	23712	17251	16674	45879	14554
*	HFA18925	+1.51	+1.10	+1.06	-1.21	+2.16	+3.27	+4.89	+3.82	37784	57001	41490	40197	31205	27005	41257	80791	39977
*	HFA19309	+1.73	+1.19	+1.00	+1.09	+1.27	+1.19	+1.90	+1.11	29782	51585	35337	29782	32500	81477	123368	184744	144192
	HFA20964	-1.01	+1.00	+1.00	-1.01	+1.21	+1.00	+1.69	+1.00	14854	14723	14854	14854	14714	37943	35430	56583	33040
*	HFA01976	+1.28	+1.30	+1.07	+1.04	+1.14	+1.45	+4.30	+1.48	21768	27873	28313	23393	22738	18016	14854	25045	14854
	HFA12033	-1.04	+1.00	+1.00	-1.04	+1.00	-1.31	-1.37	-1.08	20842	20113	20842	20842	19980	24810	31653	93528	32153
	HFA15182	-1.37	+1.00	+1.09	-1.01	-1.80	-1.13	+2.11	+1.00	16600	12109	16600	18011	16366	20842	15903	15265	19338
*	HFA03094	-1.09	-1.34	-1.25	-1.61	-1.41	-2.33	-1.51	-1.39	79264	72779	59142	63507	49341	9212	14697	35052	16600
	HFA02025	-1.32	-1.19	+1.00	+1.00	+1.00	-1.55	+1.10	-1.13	24240	17643	20383	24240	24240	56277	34044	52434	56844
*	HFA05007	-1.57	-2.18	-1.43	-1.40	-2.48	-2.20	-1.19	-1.24	166550	106138	76255	116127	118834	24240	15682	26741	21363
*	HFA05968	+1.35	-1.83	-1.59	-2.28	-3.53	-3.90	-1.43	-3.17	115120	154948	62890	72310	50409	67148	75604	139576	134165
*	HFA08726	-1.56	-3.41	-11.48	-7.71	-5.59	-15.43	-7.36	-12.82	685800	439642	201241	59732	88931	32574	29530	80678	36281
*	HFA10528	+1.07	-2.24	-2.22	-2.54	-3.94	-9.15	-4.82	-4.70	157762	168767	70414	70925	62158	122576	44437	93139	53499
*	HFA12225	+1.83	+1.71	+16.64	+2.86	-1.65	-3.31	-1.71	-2.98	159420	292401	272466	2652519	456344	40002	17236	32698	33600
*	HFA16084	-1.03	-1.44	-1.06	-1.94	-2.66	-3.79	-3.09	-2.55	158030	153730	109879	149095	81650	96774	48098	93061	53417
*	HFA15324	+2.00	+1.45	+5.45	+2.92	+1.58	+1.69	+2.76	+3.25	55850	111695	80722	304159	163009	59375	41643	51060	61975
	HFA18501	+1.17	+1.02	+1.00	-1.14	-1.45	-2.26	-1.71	-1.34	31240	36689	31991	31240	27474	88052	94614	154396	181638
*	HFA20114	-1.29	-1.89	-1.57	-1.99	-1.42	-2.06	-1.85	-2.04	109614	85041	57972	71481	55219	21608	13834	18275	23339
*	HFA00730	+1.18	+1.14	-1.14	-1.65	-1.17	-1.84	-1.41	-2.02	217174	256111	247222	189825	131864	77155	53202	59167	53741
*	HFA02751	+1.45	+1.16	+1.31	+1.17	+2.00	+1.01	+1.02	+1.07	150818	219281	175683	197150	176660	186155	118156	153777	107509
*	HFA02407	+1.32	+1.48	+2.95	+1.76	+1.51	+2.62	+4.17	+3.55	27854	36845	41177	82259	48972	301247	152710	153234	161268
*	HFA03063	+3.01	+1.35	+2.29	+1.41	+1.75	+3.25	+2.53	+1.48	27954	84143	37665	63986	39300	41972	73044	116020	98841
*	HFA04538	+1.11	-1.46	-2.01	-1.48	-1.83	-3.40	-2.19	-2.50	173960	192351	119258	86722	117923	48884	90739	70749	41480
	HFA04871	+1.18	-1.13	+1.05	+1.00	-1.53	-1.19	+1.43	+1.13	37878	44583	33651	39793	37878	95201	51156	79341	69698
	HFA06639	+1.00	-1.02	+1.00	-1.01	-1.35	-1.23	+1.14	-1.05	21560	21607	21188	21560	21354	24745	31713	54349	42665
*	HFA07079	+2.01	+1.27	+1.30	+1.19	+1.21	-1.22	+2.46	+11.73	67076	134958	84918	87094	79533	16007	17481	24635	20470
*	HFA07563	+4.32	+4.94	+1.49	+1.11	+1.07	+1.10	+1.29	+1.15	22126	95649	109285	33038	24585	80855	55148	165061	786701
*	HFA08206	-1.24	-2.14	-2.99	-2.68	-2.41	-4.66	-2.62	-3.75	485082	390713	226543	161970	181100	23635	24286	28599	25444
*	HFA09983	+1.40	+1.08	+1.12	+1.69	+2.63	-1.06	+1.44	+1.30	143070	199856	154632	160201	241159	201619	104038	184804	129411
	HFA10107	+1.17	+1.02	+1.01	-1.00	-1.02	+1.00	+1.46	+1.38	20976	24474	21432	21148	20973	376445	134424	205660	185293
*	HFA10481	+1.21	+1.10	-1.16	-1.17	+1.49	-1.38	+1.12	+1.27	63524	76601	69670	54619	54107	20556	21078	30722	28919
*	HFA12334	+1.69	+1.21	+1.29	+1.34	+1.19	+1.02	+2.05	+1.45	65024	109582	78804	83649	86965	94373	46108	71139	80720
*	HFA14382	+1.69	+1.62	+1.19	-1.88	-1.19	-1.04	+2.10	+1.37	25260	42777	40885	30169	13448	77146	66611	133245	94191
*	HFA16053	-1.12	-1.15	+1.58	-1.25	+8.80	+2.30	+14.69	+18.00	118806	106371	103110	188198	94771	21229	24328	53127	34595
	HFA14813	+1.14	-1.09	+1.00	+1.00	+1.00	+1.00	+1.83	+1.00	21500	24403	19752	21500	21500	1045244	272964	1745704	2138679
*	HFA16196	+1.35	+1.03	+1.00	-1.33	-1.20	-2.09	-1.06	-1.23	39800	53625	41017	39829	30028	21500	21589	39287	21500
*	HFA16694	-1.01	+1.12	-1.20	-1.73	-1.36	-2.38	+1.00	-2.77	1533800	1512599	1714221	1273389	884374	33139	19045	37435	32250
	HFA15088	+1.75	+1.17	+1.00	+1.24	-1.04	+1.15	+1.77	-1.00	25542	44751	29777	25542	31621	1128138	644222	1538100	553899
	HFA18317	-1.14	-1.41	-1.03	+1.08	-1.08	+1.20	+1.64	+1.72	27732	24233	19600	26837	29910	24560	29458	45099	25519
	HFA18032	+1.31	-1.03	+1.00	+1.03	+1.00	+1.00	+1.04	+1.00	16872	22043	16430	16872	17297	25703	33219	45476	47756
*	HFA20256	-1.36	-4.70	-4.95	-2.76	-5.22	-7.58	-2.99	-2.00	412516	303801	87809	83338	149626	16872	16872	17574	16872
*	HFA19631	+1.23	+1.05	+1.07	-1.17	-1.78	-1.51	-1.10	-1.69	202594	248829	212447	215763	173745	79031	54398	138014	205970
*	HFA21256	+1.08	-1.00	-1.00	-1.41	-1.40	-2.59	-1.28	-1.39	260240	281025	259486	259435	184637	113724	134109	184337	119750
*	HFA00935	+1.57	+1.22	+1.06	+1.00	-1.16	+1.08	+2.54	+1.31	28220	44446	34453	29996	28220	185264	100652	211373	187773
	HFA01319	+1.04	+1.15	+1.00	+1.00	-1.28	-1.02	+1.55	+1.06	16240	16928	18698	16240	16240	24304	30595	71732	36993
	HFA01703	-1.42	-1.24	+1.01	-1.78	-1.92	-1.63	-1.19	-1.68	38280	26899	30956	38808	21491	12668	15857	25216	17184
*	HFA03952	+3.09	+1.78	+1.28	-1.43	+1.05	-1.31	-1.60	-2.12	126042	389522	224840	161496	88139	19945	23482	32101	22774
*	HFA05179	+2.06	-1.01	+1.05	+1.00	-1.26	-1.55	+1.56	+1.13	33094	68161	32741	34785	33094	132365	96345	74611	59573
	HFA05563	+1.47	+1.10	+1.00	-1.06	-1.20	-1.36	+1.63	+1.23	24760	36399	27181	24760	23465	26170	21287	51775	37308
*	HFA07766	+3.59	+3.36	+1.99	+1.54	+3.71	+2.12	+3.36	+3.69	41402	148473	139111	82383	63724	20661	18261	40259	30426
*	HFA08772	+2.20	-1.09	+1.00	+1.25	+1.01	-1.35	+1.27	-1.15	37056	81399	34063	37056	46162	153447	87577	138937	152597
	HFA09156	-1.29	+1.00	+1.00	+1.00	+1.00	-1.04	+1.10	+1.00	14140	10991	14140	14140	14140	37435	27363	47218	32309
	HFA09540	+1.25	+1.11	+1.00	+1.00	-1.26	+1.11	+2.31	+1.09	21596	27051	23870	21596	21596	14140	13646	15586	14140
	HFA12000	-1.23	+1.04	+1.00	+1.00	+1.00	+1.13	+2.40	+1.00	18032	14633	18738	18032	18032	17193	23877	49951	23486
*	HFA12802	+1.77	+1.26	+1.00	+1.00	+1.19	-1.44	+1.37	+1.00	33510	59414	42058	33510	33510	18032	20286	43261	18032
*	HFA13184	+1.07	+1.11	+1.11	+1.39	+1.77	+1.23	+2.75	+1.00	18354	19597	20335	20457	25586	39982	23211	45889	33510
*	HFA13568	+2.04	+1.51	+1.64	+1.24	+1.89	-1.01	+2.43	+1.65	30400	62101	46040	49842	37776	32452	22562	50545	18354
*	HFA13952	-1.25	+1.14	-1.02	-1.12	+1.00	-1.13	+2.16	+1.02	23440	18716	26699	22953	20840	57590	30017	73975	50219
*	HFA17345	+1.13	+1.00	+1.00	+1.00	+1.04	+1.07	+2.53	+1.00	22242	25130	22242	22242	22242	23440	20709	50563	23904
	HFA18949	+1.49	+1.00	+1.00	+1.00	-1.10	-1.32	+1.00	+1.00	15674	23416	15674	15674	15674	23105	23893	56260	22242
	HFA20396	+1.04	-1.11	+1.00	-1.45	+1.01	-2.16	-1.46	-1.19	32840	34255	29541	32840	22588	14266	11911	15674	15674
	HFA20996	+1.39	+1.14	+1.00	+1.04	+1.00	-1.16	-1.01	+1.00	14174	19737	16209	14174	14671	33082	15194	22535	27570
*	HFA04676	-1.27	+1.00	+1.08	-1.36	+1.00	-1.18	-1.17	-1.27	545490	430038	545490	590453	401851	14174	12269	13974	14174
	HFA13947	-1.10	+1.00	+1.00	-1.03	+1.00	-1.04	-1.01	+1.00	22494	20380	22546	22494	21845	545490	461352	464786	428117
	HFA15084	+1.00	+1.30	+1.40	+1.34	+1.00	+1.00	+1.01	+1.00	19440	19440	25307	27123	26065	22494	21613	22176	22494
*	HFA01851	-1.09	-1.07	-1.16	-1.55	-1.18	-1.57	-1.61	-1.43	261144	240326	243471	224262	168481	19440	19440	19723	19440
*	HFA02111	+1.36	+1.02	+1.91	+1.33	+1.80	+4.42	+6.47	+13.51	24000	32536	24541	45778	31992	222201	166841	161784	183206
*	HFA06046	+1.84	-1.38	-1.37	-1.26	-1.50	-2.14	-1.17	-1.15	76302	140384	55103	55598	60556	43299	106191	155384	324346
*	HFA07378	+1.24	+1.27	-1.05	+2.30	+1.47	-1.38	+2.16	+2.80	44014	54488	56016	42092	101045	50898	35710	65320	66620
*	HFA08262	+1.12	-1.35	+1.15	-1.23	-1.15	-2.28	-1.60	-1.42	561992	628411	417451	645261	457077	64832	31838	95103	123366
*	HFA09829	-1.04	-1.67	-1.74	-1.78	-1.92	-3.20	-2.66	-2.70	283542	272922	169304	163207	159061	487198	246594	352127	396631
*	HFA12330	-1.15	-2.22	-2.57	-2.87	-3.90	-5.51	-3.66	-4.33	483144	421678	217835	188338	168391	147788	88500	106405	104918
*	HFA15978	+1.21	+2.22	+1.44	-1.24	+1.45	-1.70	-1.08	-1.34	135400	164092	300185	195056	109315	123972	87666	132174	111575
*	HFA14439	-1.21	-1.67	-2.89	-4.06	-5.44	-7.36	-6.16	-5.96	347604	286337	207697	120312	85564	196128	79641	125393	101043
*	HFA18661	-1.39	-1.81	-4.12	-3.21	-3.32	-6.00	-2.87	-4.79	304714	218810	168128	73931	94780	63865	47229	56436	58292
*	HFA20218	-1.90	-3.19	-4.92	-2.55	-2.49	-4.10	-2.38	-1.78	146962	77328	46020	29885	57581	91875	50791	106138	63693
	HFA00570	+1.30	+1.67	+1.00	+1.04	+1.24	+2.86	+1.47	+1.00	19320	25159	32313	19320	20047	58958	35841	61778	82688

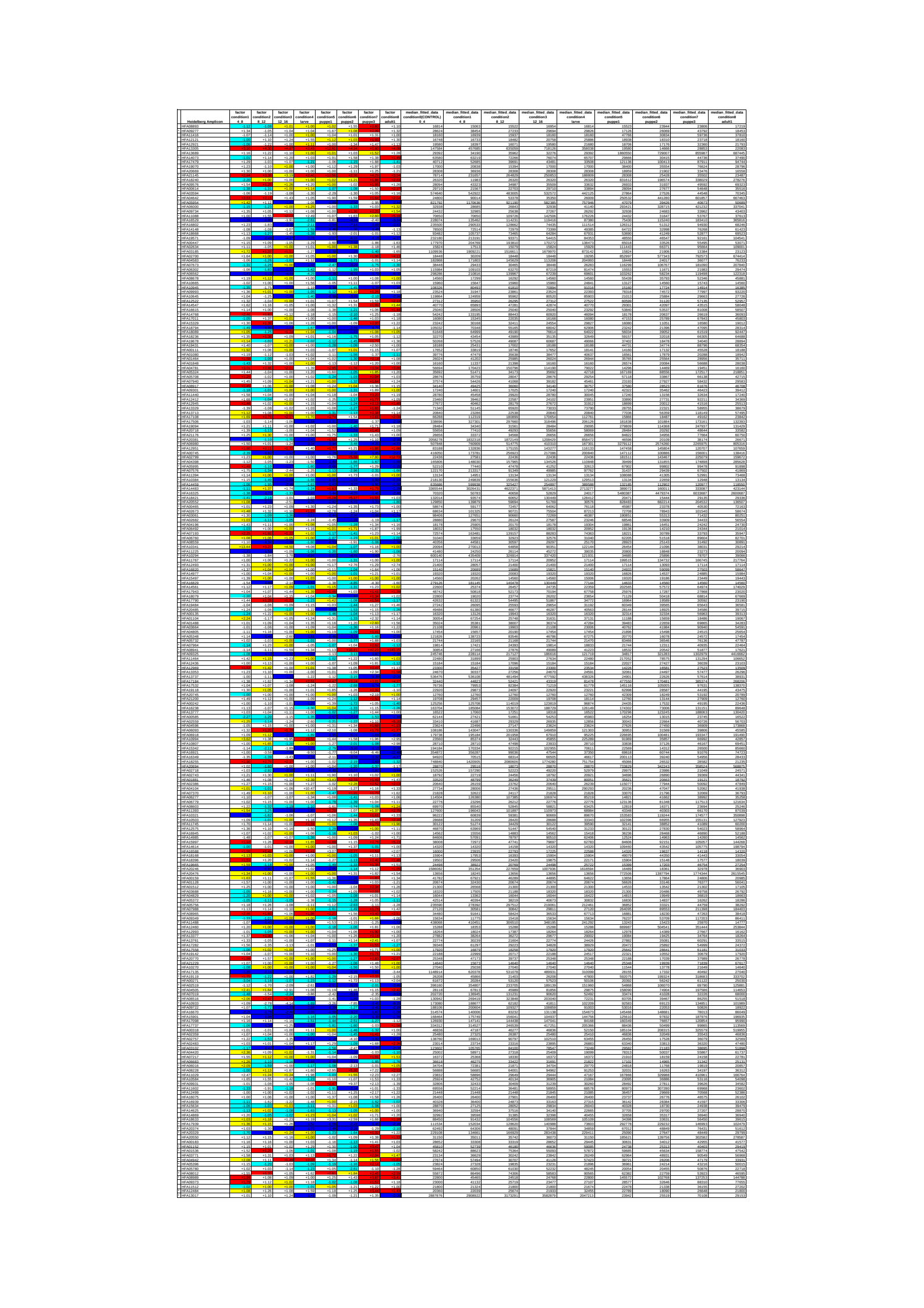


	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA06912	+1.29	+2.49	+5.17	+1.82	+2.94	+1.99	+2.59	+4.95	231720	298661	576071	1197751	422030	2316505	2486451	3073825	994676
*	HFA08355	-1.59	-1.16	-1.08	-1.76	-1.16	-4.27	-1.73	-1.70	311524	196177	268162	287181	177102	680668	460801	599040	1146295
*	HFA11326	-2.62	-2.56	-3.34	-4.82	-3.97	-5.25	-2.56	-2.89	228700	87210	89354	68514	47450	267503	72984	180182	182796
*	HFA10697	-1.81	-1.24	-2.52	-2.88	-1.92	-2.69	-2.00	-2.26	153784	84975	123876	60906	53448	57569	43555	89502	79172
*	HFA10733	+1.51	+1.53	+1.16	+1.48	+1.27	+1.22	+2.70	+1.77	28048	42311	42897	32618	41443	80215	57119	76808	68012
*	HFA10953	-1.04	-1.15	-1.69	-2.54	-1.60	-2.81	-2.05	-2.37	237858	227866	207285	140608	93726	35731	34324	75804	49573
*	HFA12267	+1.00	+1.06	+2.15	+1.00	+1.75	+1.81	+2.51	+1.58	28852	28852	30665	62034	28852	148501	84701	116268	100378
*	HFA16431	+1.04	+1.00	-1.13	+1.00	+1.70	+1.05	+2.62	+1.68	27860	28894	27872	24604	27860	50365	52293	72443	45605
*	HFA16747	+1.31	+1.05	+1.00	+1.07	+1.69	+3.13	+3.25	+4.38	16280	21324	17020	16280	17469	47406	29270	73078	46906
*	HFA16288	-1.67	-2.36	-1.38	-1.15	+1.46	+1.21	+1.72	+1.50	71658	42865	30362	51754	62224	27556	51027	52971	71363
*	HFA16920	+1.44	-1.80	-1.77	-1.78	-2.48	-4.58	-1.42	-1.41	110880	159246	61491	62704	62219	104713	86637	123228	107826
*	HFA15932	+1.67	+1.37	-1.13	+1.27	+1.50	+1.68	+2.71	+1.59	21392	35686	29332	18934	27120	44676	24211	78141	78871
*	HFA17217	+1.71	+1.69	+1.10	+1.59	+2.15	+2.29	+2.78	+1.73	19848	33990	33507	21775	31625	32185	35934	57922	34006
*	HFA18053	-1.19	-1.10	-1.16	-1.85	-1.24	-1.25	-1.10	-2.89	1352440	1141214	1224283	1161740	729605	42602	45440	55166	34326
*	HFA18001	+1.52	+1.36	+1.01	+1.27	+3.26	+3.39	+3.56	+1.89	23908	36313	32405	24204	30404	1087163	1080702	1226084	468416
*	HFA20328	+1.37	+1.06	+1.22	+1.22	+1.31	+1.17	+1.59	+1.28	99812	136893	105846	121742	121289	77967	80948	85104	45142
*	HFA19557	+1.89	-1.03	+1.06	+1.02	+1.12	-1.10	+1.71	+1.57	39358	74322	38107	41853	40200	130935	116960	159074	127628
	HFA00075	+1.05	+1.01	-1.02	+1.00	+1.00	-1.05	+1.52	+1.20	19280	20303	19384	18906	19280	43983	35728	67389	61744
*	HFA01044	+1.17	+1.01	+1.00	-1.00	+1.00	+1.13	+2.26	+1.03	22800	26717	22952	22800	22701	19280	18374	29372	23052
*	HFA01428	+1.46	-1.11	+1.14	+1.18	+1.19	-1.48	+1.57	+1.19	60122	87651	54184	68767	70978	22800	25770	51550	23426
*	HFA01812	+1.61	+1.26	+1.00	+1.19	+1.16	-1.03	+2.17	+1.40	25302	40708	31759	25302	30087	71319	40530	94423	71793
	HFA04745	-1.01	+1.00	+1.02	+1.00	+1.00	-1.08	+1.54	+1.00	16320	16155	16320	16696	16320	29449	24675	54803	35504
*	HFA05288	+1.07	+1.06	+1.08	+1.00	+1.17	+1.05	+2.33	+1.54	37224	39779	39347	40377	37224	16402	15145	25199	16320
	HFA05672	-1.15	+1.00	+1.35	+1.00	-1.06	+1.85	+1.63	+1.08	15752	13658	15752	21340	15752	43698	39104	86719	57426
	HFA07904	+1.41	+1.06	+1.00	+1.02	-1.02	-1.06	+1.15	+1.00	17560	24784	18675	17560	17958	14885	29126	25696	17084
*	HFA08881	+1.05	-1.05	+1.00	-1.01	+1.75	+1.40	+3.69	+1.43	24984	26307	23868	24984	24780	17162	16539	20143	17560
*	HFA09265	-1.08	-1.23	+1.30	+1.27	+2.38	+2.98	+3.94	+3.52	43312	39995	35207	56450	54958	43841	34871	92202	35657
*	HFA09649	-1.74	-1.58	-1.04	-1.78	-1.00	-2.13	+1.02	+1.15	217392	125033	137385	209345	122247	103011	128977	170651	152302
	HFA12109	+1.09	+1.08	+1.00	+1.00	+1.01	-1.17	+2.17	+1.05	21934	23904	23695	21934	21934	216412	102280	220948	249582
*	HFA12909	-1.22	-1.17	+1.01	-1.30	+1.04	-1.88	-1.07	-2.01	1170280	956559	997896	1187302	898908	22137	18793	47657	23059
	HFA13293	+1.84	-1.08	+1.06	+1.00	-1.02	+1.67	+1.62	+1.55	21632	39703	20005	22942	21632	1219359	622748	1097382	582128
*	HFA13677	-1.14	-1.04	-1.02	-1.53	-1.12	-1.80	+1.30	+1.00	57708	50402	55284	56568	37773	21275	36132	35081	33478
*	HFA14061	-1.02	+1.08	+1.14	-1.17	-1.01	-1.18	+1.24	-1.09	67480	66384	73107	76960	57505	51592	31981	75244	57708
*	HFA17466	+1.64	+1.29	+1.12	+1.58	+1.45	+1.44	+2.56	+1.71	25326	41541	32627	28280	40095	67068	57112	83955	62126
	HFA19058	+1.00	+1.00	+1.00	+1.00	+1.00	+1.20	+1.09	+1.00	12994	12994	12994	12994	12994	36677	36380	64910	43346
*	HFA20657	-1.04	-1.13	+1.34	+1.04	+1.08	-1.77	+1.10	+1.48	84734	81179	74823	113381	88233	12994	15614	14171	12994
	HFA21130	+1.15	-1.03	+1.00	+1.17	+1.06	+1.76	+2.52	+1.16	15280	17556	14873	15280	17922	91249	47933	93434	125403
*	HFA17787	-1.13	+1.32	+1.32	+2.10	+2.42	+1.79	+1.85	+1.08	3309644	2936095	4366158	4355708	6961624	16200	26817	38488	17784
*	HFA09361	+1.46	+1.01	+1.17	+1.15	-1.02	+1.51	+2.06	+1.46	25372	37044	25608	29688	29103	8025024	5937738	6136954	3583527
*	HFA00696	+1.03	-1.73	-1.07	-1.73	-1.02	-1.46	+1.00	-1.49	579180	593723	334007	539664	334173	24780	38343	52239	37092
*	HFA03054	+1.45	+1.11	+2.07	+1.09	+1.00	+1.00	+1.71	+4.74	25808	37339	28662	53297	28251	568605	395754	579589	388675
*	HFA04580	-1.68	-1.74	-1.81	-1.98	-1.91	-1.81	-1.09	-1.22	406724	241772	234098	224130	205811	25808	25808	44129	122439
*	HFA07059	+1.02	-1.74	-1.63	+1.24	-1.06	-2.30	-1.31	-1.68	113922	115642	65452	69878	140773	213450	225011	372449	332864
*	HFA06563	+1.67	+1.05	+1.00	+1.24	+1.19	-1.05	+1.45	+2.73	23620	39493	24748	23620	29336	107275	49452	87150	67994
*	HFA09748	+2.00	+4.32	+2.55	+1.02	+1.00	-1.64	-1.01	-1.45	36342	72821	156880	92707	37121	28106	22541	34251	64454
*	HFA11223	+1.88	+1.43	+2.69	+1.65	-1.20	-1.34	+3.01	+3.24	138008	259693	196941	371752	228368	36342	22216	35828	25026
*	HFA12612	+1.14	-1.04	+1.30	+1.58	+1.26	+1.38	+1.27	+2.40	62414	71382	60067	80843	98887	114928	102893	415081	447072
*	HFA16296	+1.31	-1.03	+1.11	-1.01	+1.00	-1.49	-1.01	+1.97	40492	53143	39482	44878	40236	78717	86141	79235	149948
	HFA15403	-1.38	-1.39	-1.07	-1.78	-1.95	-2.05	-1.81	-1.56	41300	30019	29660	38424	23266	40492	27135	39920	79616
*	HFA18222	-2.26	-3.33	-2.98	-1.57	-1.48	-2.73	-2.38	-2.42	382560	168968	114932	128532	242975	21208	20180	22796	26508
*	HFA20248	-1.03	-2.43	-6.13	-2.81	-4.22	-5.04	-4.47	-3.98	557620	539116	229861	90907	198210	259104	139943	160540	158069
*	HFA00627	+1.75	-1.11	-1.03	-1.05	-1.28	-3.70	-1.31	-1.36	128634	224804	115542	125318	122409	132027	110681	124793	140027
	HFA03221	+1.17	+1.23	+1.00	+1.00	+1.00	-1.25	+1.11	+1.27	18914	22185	23212	18914	18914	100554	34751	98466	94729
*	HFA02525	+1.23	+1.16	+1.62	-1.48	-1.64	-1.82	-1.28	-1.44	267334	328695	309138	432219	180813	18914	15183	20972	24083
*	HFA02304	+1.46	+1.22	+1.15	+3.53	+5.91	+4.10	+2.87	+2.24	26480	38741	32336	30345	93352	162889	146609	208248	185619
*	HFA04724	+1.28	+1.07	+1.00	+1.00	+1.00	+1.49	+2.13	+2.57	25314	32473	26985	25314	25314	156407	108548	75990	59429
*	HFA06555	+1.78	+1.03	-1.26	-1.07	-1.09	-2.08	-1.24	-1.19	97852	173813	100375	77586	91227	25314	37706	53888	64942
*	HFA06305	+1.09	+1.15	+1.52	+1.53	+1.63	+1.30	+2.60	+2.38	89674	97381	102738	136041	136780	89592	47037	78774	82264
*	HFA06974	+1.47	-1.10	+1.29	+1.12	+1.09	-1.03	+1.23	+1.79	37280	54805	33928	48138	41580	145924	116630	232798	213222
*	HFA08375	+1.93	+1.13	+1.00	+1.00	-1.22	-1.26	+1.53	+1.11	31004	59744	35004	31004	31004	40780	36321	45954	66582
*	HFA09789	+1.71	+2.39	+1.01	+1.17	-1.13	+1.30	+2.05	+2.21	23760	40653	56780	24045	27845	25420	24570	47532	34291
*	HFA09876	+1.61	+1.26	+1.00	+1.00	-1.16	-1.21	+2.44	+1.11	24280	39105	30592	24280	24280	20943	30861	48776	52558
	HFA10940	+1.12	+1.22	+1.78	+1.25	-1.30	-1.23	+1.64	-1.11	27080	30341	33101	48141	33766	20862	20028	59138	26895
*	HFA10758	+1.56	+1.18	+1.08	-1.34	-1.12	+1.08	+1.52	+1.33	33840	52918	40073	36402	25269	20872	22000	44394	24394
	HFA12283	+1.25	+1.13	+1.00	+1.00	+1.00	+1.00	+1.01	+1.00	12574	15748	14194	12574	12574	30225	36585	51551	45006
*	HFA15365	+1.02	+1.23	+1.03	-1.47	+6.82	+9.46	+7.63	+1.15	34600	35230	42507	35682	23459	12574	12574	12757	12574
*	HFA15467	+1.38	+1.15	+1.23	+1.00	+1.00	+4.15	+3.41	+1.85	26176	36086	30083	32144	26176	236139	327333	264038	39762
*	HFA16821	+1.61	+1.45	+1.00	+1.00	+1.41	-1.00	+2.20	+4.48	28660	46049	41485	28745	28660	26307	108689	89309	48437
	HFA14203	+1.17	-1.17	+1.05	-1.04	+1.06	-1.17	+1.11	+1.03	35040	41039	29839	36932	33814	40498	28622	63168	128381
*	HFA14571	+1.14	-1.02	+1.17	-1.04	+5.16	+1.71	+2.38	-1.26	53018	60399	51823	62004	51141	36988	29903	38832	36149
*	HFA18789	+2.26	-1.03	-1.07	-1.23	-1.35	-1.99	-1.35	-3.04	138834	313301	134905	129389	113029	273416	90483	126390	42187
*	HFA18449	-2.67	-2.21	+1.37	-1.40	-1.03	-1.07	+1.11	+1.29	120120	44925	54329	165094	86067	102884	69826	102912	45638
*	HFA17848	+1.04	-1.23	+1.01	+1.05	-1.14	-2.65	-1.38	-1.51	263846	275239	213746	266757	277379	116316	112010	133932	155539
*	HFA19613	+1.34	+1.01	+1.54	+1.34	+1.09	-1.26	+1.22	+1.42	98720	132063	99261	151597	132120	231492	99735	191057	175294
	HFA19466	+1.08	-1.00	+1.08	+1.07	+1.13	-1.13	+1.80	+2.24	21734	23420	21727	23440	23334	107161	78639	120548	140338
*	HFA00099	-1.19	+1.09	+1.00	+1.00	-1.17	+2.45	+2.03	+3.21	16820	14142	18292	16820	16820	24515	19263	39184	48781
	HFA01068	-1.07	-1.05	+1.00	+1.00	+1.00	+1.01	+1.02	+1.00	20582	19152	19614	20582	20582	14411	41167	34063	53972
*	HFA01452	-1.11	-1.01	-1.05	-1.84	-1.04	-1.29	+1.25	-1.98	2632230	2371791	2602146	2515209	1430936	20582	20701	21004	20582
	HFA01836	-1.06	+1.05	+1.00	+1.00	-1.10	-1.07	+1.19	+1.09	15200	14305	16024	15200	15200	2532391	2042786	3300506	1331064
*	HFA04769	+2.77	+2.30	+1.38	+1.55	+1.92	+1.98	+2.74	+1.80	34264	94757	78758	47426	53129	13877	14250	18056	16502
	HFA05312	+1.45	-1.16	+1.00	+1.00	-1.44	-1.75	+1.24	+1.03	22510	32534	19453	22510	22510	65947	67764	94014	61629
	HFA05696	+1.17	+1.00	+1.02	+1.00	+1.38	-1.18	+1.02	+1.06	25802	30191	25814	26432	25802	15639	12882	28015	23224
*	HFA07928	+2.15	+1.65	+1.68	+1.59	+1.84	+1.33	+1.93	+3.47	101434	218553	167427	170607	160775	35717	21852	26385	27439
	HFA08905	+1.06	+1.01	+1.00	+1.05	+1.00	+1.10	+1.73	+1.14	28680	30480	29103	28680	30237	186705	134923	195740	351937
	HFA09289	+1.08	+1.14	+1.00	+1.03	-1.09	-1.14	+1.05	+1.00	17320	18765	19705	17320	17825	28680	31568	49639	32663
	HFA11428	+1.52	-1.01	+1.00	+1.00	-1.19	-1.56	+1.40	+1.00	20968	31779	20666	20968	20968	15820	15226	18121	17320
	HFA12400	+1.10	+1.23	+1.06	+1.21	-1.14	+1.32	+1.61	+1.48	29838	32674	36627	31653	36085	17555	13475	29321	20968
*	HFA12933	+1.72	+1.02	+1.05	+1.20	+1.00	-1.50	+1.67	+1.08	40190	68997	40856	42244	48161	26278	39317	47907	44081
	HFA13317	+1.22	+1.29	+1.00	+1.00	+1.00	-1.06	+1.26	+1.00	15226	18567	19627	15226	15226	40190	26815	67241	43564
	HFA13701	+1.06	+1.01	+1.00	+1.00	-1.76	-1.22	+1.01	+1.00	36828	38914	37083	36828	36828	15226	14360	19226	15226
*	HFA14085	-2.71	-3.51	-1.24	-2.66	-2.38	-2.29	-1.73	-1.31	182280	67200	51994	146853	68631	20898	30084	37047	36828
	HFA17492	+1.14	+1.05	+1.00	+1.00	-1.09	-1.47	-1.00	+1.04	23760	27074	24880	23760	23760	76687	79596	105127	139238
*	HFA19082	+1.90	+1.04	+1.34	+2.68	+1.02	-1.06	+1.68	+1.00	25680	48776	26679	34337	68904	21796	16146	23757	24765
	HFA20701	+1.07	+1.54	+1.32	+1.15	-1.03	+1.18	+1.59	+1.40	25612	27446	39548	33694	29505	26250	24259	43043	25680
*	HFA21163	+1.79	+1.21	+1.00	+1.07	-1.07	+1.16	+2.01	+1.20	34316	61276	41379	34316	36739	24871	30136	40771	35770
*	HFA19687	-1.23	-1.66	-1.44	-1.74	-2.35	-3.73	-1.89	-2.54	229960	187223	138442	159796	131931	32097	39711	69125	41159
	HFA02534	-1.81	-1.50	-1.12	-3.02	-1.85	-4.53	+1.00	-1.19	43172	23835	28750	38503	14287	97821	61587	121736	90394
	HFA12428	+1.09	-1.02	+1.00	+1.20	-1.39	-1.50	-1.05	-1.04	26166	28508	25653	26166	31281	23352	9537	43190	36221
*	HFA00479	-1.67	-1.54	+1.06	+1.19	+1.30	-1.24	+1.63	+2.31	121386	72694	78657	128105	144454	18771	17498	25006	25227
*	HFA02773	+1.01	-1.12	-1.34	-1.15	-1.44	-2.34	-1.39	-1.33	146172	147509	130761	108903	127490	157671	98011	197817	280025
	HFA04529	+1.46	+1.13	+1.60	-1.03	+1.47	-1.44	-1.42	-1.47	168184	244997	190245	269507	163040	101290	62371	104830	109552
*	HFA07567	+1.49	-1.89	-3.05	-2.21	-2.32	-3.53	-2.77	-1.89	471712	703482	249411	154891	213080	248035	116952	118307	114673
*	HFA05936	-1.31	-1.33	-1.39	+1.95	+1.15	-1.01	+1.79	+1.34	275000	210266	206105	197796	536204	203308	133648	170352	249600
*	HFA11309	-3.27	-3.41	-3.67	-3.63	-4.44	-5.79	-4.44	-4.77	317052	96974	92856	86405	87326	315943	272381	493146	368426
*	HFA10686	+1.41	+1.26	+1.01	+1.49	+5.63	+5.72	+5.40	+9.11	25560	36015	32089	25872	38112	71412	54776	71388	66532
*	HFA14387	+1.17	-1.08	-1.07	-2.27	-1.29	-3.32	-2.86	-4.00	781560	912926	726197	728055	343928	143974	146099	138015	232793
*	HFA16003	-1.23	-1.52	-1.30	-1.07	+1.29	+1.61	+2.33	+4.71	48650	39671	32053	37318	45362	606755	235271	273536	195217
	HFA17002	-1.26	+1.00	+1.00	-1.01	-1.29	-1.62	-1.26	-1.17	23436	18648	23436	23436	23098	63000	78280	113352	229350
*	HFA17798	+1.25	+1.61	+2.25	+1.67	+2.26	+1.48	+2.66	+1.68	202992	253599	325895	457512	339417	18125	14500	18628	19987
*	HFA20543	+2.28	+3.39	+14.79	+1.84	+19.15	+7.66	+4.18	+18.85	78016	177850	264755	1153619	143909	458012	300447	540425	340361
*	HFA00342	-1.05	-1.29	+1.04	+1.18	+1.02	-1.18	+1.41	+2.90	56980	54476	44218	59443	66979	1494364	597427	326084	1470352
	HFA02203	+1.24	+1.11	+1.00	+1.14	-1.30	+1.10	+1.17	+1.04	15640	19428	17299	15640	17849	58092	48168	80203	165208
*	HFA01875	+1.73	+1.13	+1.13	+1.42	+1.75	-1.10	+1.16	+1.92	72260	125150	81714	81682	102553	11991	17150	18332	16269
	HFA02100	+1.22	+1.35	+1.02	+1.08	-1.07	+1.40	+1.47	+1.66	19780	24204	26682	20091	21269	126452	65949	83978	138932
*	HFA04567	-1.15	-1.27	-1.11	-1.63	+1.11	+1.23	+1.14	-1.27	105194	91517	82681	94839	64543	18486	27669	28980	32791
	HFA06700	+1.04	-1.04	+1.00	-1.05	+1.00	+1.05	-1.37	+1.00	16520	17195	15819	16520	15762	117243	129280	120063	82688
	HFA06296	+1.12	-1.04	+1.00	+1.02	+1.02	+1.04	+1.14	+1.01	19220	21449	18455	19220	19597	16520	17385	12015	16520
	HFA06022	+1.02	-1.14	+1.00	-1.01	-1.06	-1.48	+1.16	+1.31	27800	28354	24391	27800	27536	19562	19960	21981	19375
*	HFA08671	+1.31	-2.49	-5.82	-5.64	-6.67	-15.49	-6.47	-12.79	709730	928956	284885	121900	125759	26260	18764	32166	36452
*	HFA09728	-1.06	-2.69	-2.50	-1.27	+1.40	-2.06	+1.33	+1.98	144800	136605	53824	57982	113750	106368	45804	109766	55507
	HFA10314	+1.02	-1.24	+1.10	-1.03	-1.82	-2.01	-1.15	-1.33	30814	31472	24794	33995	29958	202415	70180	192546	286073
*	HFA11157	+1.07	-1.06	+1.42	+1.00	+37.49	+1.26	+1.61	+1.07	16568	17776	15664	23576	16568	16947	15367	26823	23140
*	HFA11777	+1.05	-1.24	-1.39	-1.37	-1.72	-2.58	-1.28	-1.99	84558	88690	68160	60711	61781	621126	20899	26731	17791
	HFA12562	-1.03	+1.07	+1.00	+1.00	+1.00	-1.46	-1.00	+1.00	15200	14698	16299	15200	15200	49052	32784	66028	42571
	HFA14555	+1.00	+1.00	+1.00	+1.00	-1.40	+1.04	-1.10	+1.00	15200	15200	15200	15200	15200	15200	10420	15184	15200
	HFA15482	+1.18	+1.32	+1.02	+1.04	-1.42	-1.65	+1.11	-1.21	72480	85298	95822	73696	75355	10879	15870	13817	15200
*	HFA17018	-5.48	-6.12	-4.97	-8.11	-15.45	-13.00	-6.79	-17.36	709130	129446	115894	142786	87410	51036	43906	80285	59763
	HFA14668	-1.00	+1.06	+1.00	-1.06	+1.18	-1.39	+1.39	+1.18	20320	20320	21501	20320	19190	45908	54529	104496	40848
	HFA16774	+1.16	+1.00	-1.01	+1.23	+1.00	-1.33	+2.00	+1.77	18440	21299	18440	18299	22768	24056	14607	28336	24068
*	HFA18612	-1.16	-1.33	+1.27	+1.34	+1.44	-1.30	+1.37	+1.44	281880	243837	212218	357734	376633	18440	13875	36900	32595
*	HFA18290	+1.14	+1.22	+1.00	+1.17	-1.17	-1.47	+1.21	+2.03	34094	38895	41656	34094	39884	404914	217260	385226	406904
*	HFA17740	+1.35	-2.03	-1.71	-1.84	-4.99	-4.95	-2.88	-5.74	139402	188714	68514	81538	75836	29264	23193	41123	69103
*	HFA19681	-1.18	-1.61	-1.64	-2.17	-1.36	-2.24	-1.24	-2.59	162920	138537	100980	99362	75014	27954	28157	48487	24295
	HFA20493	-1.03	+1.15	+1.00	+1.08	+1.00	-1.11	+1.72	+2.07	22520	21807	25926	22520	24398	119721	72587	131223	62954
	HFA00123	+1.00	+1.00	+1.00	+1.00	-1.36	+1.01	-1.00	+1.00	15920	15920	15920	15920	15920	22633	20228	38772	46668
	HFA01092	+1.26	+1.09	+1.00	+1.00	+1.03	-1.07	+1.57	+1.00	23948	30106	26015	23948	23948	11726	16041	15920	15920
*	HFA01476	-1.20	-1.07	+1.05	-1.30	+1.01	-2.31	-1.13	-1.83	91002	75655	85367	95858	70182	24777	22279	37708	23948
	HFA03652	+1.55	+1.01	+1.12	+1.25	+1.37	+1.10	+1.61	+1.21	28400	44048	28706	31839	35425	92140	39448	80246	49670
	HFA04793	+1.15	-1.03	+1.00	+1.00	+1.13	+1.02	+1.55	+1.00	20192	23245	19543	20192	20192	38965	31162	45801	34500
*	HFA05336	+1.13	+1.00	-1.02	+1.00	+1.10	+1.28	+3.40	+1.09	17766	20031	17766	17421	17766	22736	20572	31319	20192
*	HFA05720	+1.42	+1.13	+1.05	+1.62	+1.30	+1.11	+1.52	+1.50	32068	45517	36226	33635	51960	19618	22739	60323	19418
*	HFA07952	+2.31	+2.03	+1.91	+1.02	-1.17	+1.30	+2.05	+1.08	30880	71335	62803	58849	31620	41615	35674	48607	47994
	HFA08929	+1.41	+1.24	+1.03	+1.00	+1.13	-1.22	+1.71	+1.06	20174	28460	25073	20833	20174	26287	40214	63318	33373
	HFA09313	+1.66	+1.25	+1.00	+1.14	+1.00	+1.00	+1.75	+1.22	22854	37832	28674	22854	26051	22754	16577	34438	21440
	HFA11452	+1.20	-1.20	+1.00	-1.05	+1.13	-1.10	+1.30	+1.06	32440	39071	27003	32440	31033	22854	22957	40057	27907
	HFA12424	+1.93	-1.02	+1.00	-1.00	-1.06	+1.30	+2.97	+1.12	18192	35063	17759	18192	18152	36738	29478	42174	34542
*	HFA12957	-1.40	-1.12	+1.00	-1.09	+1.08	-1.35	+2.08	-1.07	37980	27093	34016	37980	34911	17170	23593	54115	20440
	HFA13341	+1.27	+1.17	+1.20	+1.00	-1.03	+1.04	+2.16	+1.52	23160	29495	27031	27758	23160	41154	28183	79132	35521
	HFA13725	-1.04	+1.00	+1.00	+1.00	-1.09	+1.16	+1.29	+1.00	13220	12757	13220	13220	13220	22387	24120	49998	35287
*	HFA17120	+1.96	+1.63	+1.43	+2.11	+2.56	+2.09	+6.47	+4.01	43134	84660	70193	61678	90951	12168	15348	17057	13220
	HFA17519	+1.06	+1.30	+1.00	+1.00	-1.09	+1.34	+2.03	+1.25	15334	16284	19910	15334	15334	110280	90355	279132	173054
	HFA19106	+1.30	+1.09	+1.00	+1.00	-1.02	+1.57	+2.47	+1.18	17032	22110	18643	17032	17032	14082	20549	31078	19123
*	HFA20731	+1.46	+1.51	+1.80	+1.23	+2.35	+1.57	+2.96	+2.34	35346	51541	53373	63584	43488	16623	26691	42108	20146
	HFA21189	+1.50	+1.15	+1.00	+1.00	+1.00	+1.18	+1.38	+1.00	16696	24993	19151	16696	16696	83131	55669	104572	82634
*	HFA20522	+1.54	+1.19	+1.11	+1.82	+1.67	+1.10	+1.60	+1.51	189428	291924	225394	210844	344711	16696	19693	23024	16696
	HFA11641	-1.04	+1.21	+1.00	+1.00	+1.08	-1.05	+1.41	-1.14	22560	21771	27216	22560	22560	315673	207909	303386	286050
*	HFA13324	+1.61	-1.03	+1.00	+1.02	+1.00	-1.56	+1.42	-1.08	42044	67889	40652	42044	42877	24299	21522	31854	19784
*	HFA00842	-1.30	-1.78	-1.08	-1.10	-2.59	-1.76	-1.35	-1.09	109018	84064	61118	100649	99072	42044	27025	59721	38932
*	HFA02835	+1.23	-1.62	-1.59	+1.62	+1.02	-1.37	+1.03	-1.44	357100	438549	219808	225176	579078	42097	61819	80941	100405
*	HFA04396	+1.49	+1.29	+1.50	+1.44	+1.14	-1.01	+2.46	+2.02	60860	90463	78303	91519	87513	365445	260867	367190	248020
*	HFA06751	-1.27	-1.76	-2.05	-1.68	+1.02	-2.56	+1.11	-1.71	739800	582656	419886	361026	441256	69651	60167	149766	122635
*	HFA07698	-1.16	-1.20	-2.70	-2.64	+1.00	-1.66	-2.23	-3.80	913954	790185	761499	338420	346016	758017	289212	821387	433576
*	HFA11010	+1.75	+1.77	+1.41	+1.32	+1.10	-1.47	-1.01	-1.23	68280	119589	120619	96053	90138	913954	551076	409756	240565
*	HFA10523	+1.53	+1.08	-1.30	-1.49	-1.64	-1.27	-1.32	-1.47	90828	139084	97759	69736	61132	75349	46495	67315	55327
*	HFA16478	-1.22	-1.94	-1.71	-1.72	-2.30	-2.91	-2.18	-1.93	69680	57077	35865	40759	40545	55463	71622	68896	61944
*	HFA15561	+1.15	-1.23	-1.29	-1.22	-1.11	+1.76	+1.20	+7.39	32684	37727	26656	25277	26723	30244	23910	31932	36132
*	HFA16319	-1.45	-2.25	-1.24	-2.38	-1.95	-3.02	-1.68	-1.67	92972	63936	41305	74708	39137	29426	57483	39061	241451
*	HFA17735	-1.15	+1.16	+1.00	-1.02	+1.63	+1.26	+1.68	-1.39	4317380	3764456	5009434	4330727	4252808	47710	30764	55177	55648
*	HFA20626	-1.06	-1.74	-3.14	-1.68	-2.96	-2.20	-4.13	-1.56	223008	210179	128448	71057	132704	7033893	5443760	7242181	3116485
*	HFA00560	-1.10	-1.23	-1.35	-1.68	-1.38	-1.60	-1.50	-1.13	178514	162378	145473	132532	106422	75305	101174	54057	142670
	HFA02746	-1.03	-1.19	-1.04	-1.35	-1.66	-1.50	+1.53	+1.10	74704	72534	62820	71640	55344	129247	111558	118940	158599
*	HFA01901	+1.40	+1.22	+1.02	+1.70	-1.15	-1.43	-1.03	+1.36	42456	59627	51931	43111	71987	44969	49871	114589	81957
*	HFA03345	+1.10	+1.07	-1.04	-1.40	+1.07	-1.74	+1.01	+1.05	815840	899163	871975	782137	584363	36919	29726	41294	57666
*	HFA04679	-1.04	-2.68	-4.78	-3.48	-3.34	-7.67	-4.85	-5.73	256908	247248	95737	53772	73848	871868	468584	823762	854756
*	HFA06824	+1.32	+1.00	+1.00	+1.32	+2.58	+3.68	+5.30	+12.47	20626	27310	20626	20626	27240	76999	33500	52972	44817
	HFA07493	+1.00	+1.00	+1.00	-1.07	-1.11	-1.73	+1.01	+1.10	20020	20020	20020	20020	18671	53244	75940	109273	257232
*	HFA07670	-1.87	-2.27	-4.19	-1.75	-1.44	-2.64	-1.71	-2.96	332220	177290	146328	79246	189876	17995	11604	20166	21994
*	HFA08153	-1.02	+1.03	-1.02	-1.01	+1.00	+1.00	+1.01	+8.43	20492	20184	21149	20000	20385	230868	125765	194401	112303
	HFA10971	-1.03	+1.10	+1.00	+1.00	-1.12	+1.04	+1.51	+1.24	21040	20498	23147	21040	21040	20492	20492	20790	172708
*	HFA10896	+2.13	+1.12	+1.00	+1.02	-1.64	-1.08	+1.25	+1.00	31400	66989	35174	31400	32153	18869	21902	31683	26083
*	HFA10240	+2.22	+1.95	+3.51	+2.30	+1.00	+2.46	+2.86	+7.53	57880	128593	112985	203351	133333	19155	28985	39145	31400
*	HFA11891	-1.36	-1.03	-1.37	-1.54	-1.34	-2.87	-1.52	-2.60	924600	680367	894886	675315	599923	57880	142336	165281	435550
*	HFA12586	+2.23	+1.28	+5.57	+2.54	+4.68	+7.83	+5.57	+6.13	34640	77112	44290	193098	88012	689275	322010	607383	355861
	HFA14907	+1.73	+1.27	+1.00	-1.16	-1.01	+1.54	+1.31	+1.16	20560	35626	26121	20560	17721	161945	271372	192921	212383
*	HFA14981	+1.33	+1.02	+1.26	+1.28	+1.00	+1.24	+1.62	+1.94	38528	51186	39316	48597	49183	20356	31620	26875	23754
*	HFA16935	-1.56	+1.41	+1.22	-1.11	+1.00	-1.40	-1.15	-1.68	394528	253395	555622	479555	357011	38721	47847	62514	74646
	HFA14611	-1.00	+1.00	+1.00	-1.18	+1.00	-1.23	-1.00	+1.00	12900	12900	12900	12900	10972	396060	282705	342252	235176
	HFA14728	-1.03	-1.07	+1.06	+1.03	+1.09	-1.19	+1.05	-1.41	154786	149991	144199	164219	159282	12900	10481	12900	12900
	HFA18645	-1.26	-1.23	-1.01	-1.56	+1.25	+1.00	+1.12	-1.02	26830	21276	21838	26516	17187	169155	129529	162074	110089
*	HFA18340	+1.21	+1.02	+1.65	+1.27	-1.18	+1.21	+1.48	+1.00	48262	58213	49464	79625	61300	33493	26830	29926	26212
	HFA19653	-1.00	+1.10	+1.29	+1.00	-1.71	-2.05	-2.10	+1.28	25600	25515	28140	32953	25600	40788	58479	71470	48262
	HFA19452	+1.16	-1.02	+1.05	+1.02	-1.09	-1.55	+1.02	+1.07	29740	34514	29185	31194	30227	14949	12460	12194	32878
	HFA20484	+1.00	+1.01	+1.00	+1.00	-1.50	+1.04	+1.15	+1.07	20056	20056	20247	20056	20056	27362	19236	30404	31681
	HFA00147	+1.13	-1.12	+1.00	+1.00	-1.13	-1.44	+1.36	-1.03	25002	28348	22353	25002	25002	13408	20854	22969	21452
	HFA01116	-1.17	-1.08	+1.00	+1.00	-1.03	-1.82	-1.41	+1.00	27000	23175	25009	27000	27000	22112	17393	33959	24291
*	HFA01500	+1.24	+1.15	+1.15	-1.36	+1.06	-2.15	-1.13	-1.52	296120	367773	340626	340646	217088	26170	14813	19200	27000
	HFA03676	+1.34	+1.05	+1.00	+1.00	+1.04	-1.17	+1.60	+1.23	27480	36772	28856	27480	27615	313267	137698	261075	194280
	HFA04817	-1.04	+1.07	+1.00	+1.00	+1.00	+1.31	-1.04	+1.00	16768	16070	18002	16768	16768	28597	23522	43859	33669
*	HFA05360	-1.23	+1.05	+1.02	-1.52	+1.02	-2.15	+1.07	-1.84	1292960	1054990	1351637	1319015	851494	16768	21994	16061	16768
*	HFA05744	+2.42	+1.32	+1.01	+1.57	+3.70	+2.27	+3.99	+3.73	28220	68382	37316	28529	44328	1318359	600567	1384344	701780
*	HFA07976	+1.02	-1.94	-1.38	-2.35	-3.35	-6.53	-1.83	-2.11	130678	133789	67443	94916	55558	104432	64059	112506	105381
*	HFA08953	+1.22	+1.18	+1.00	-1.05	+1.00	-1.34	-1.10	-1.17	50742	61827	59751	50908	48527	39012	20003	71492	61946
*	HFA09337	+1.71	+1.17	+1.14	+1.24	+1.47	+1.20	+1.16	+1.05	34162	58578	39909	38807	42492	50742	37811	46238	43413
	HFA11476	-1.02	+1.00	+1.00	+1.00	-1.55	-1.54	-1.46	+1.00	17212	16803	17212	17212	17212	50062	40866	39496	35993
	HFA12448	-1.00	+1.00	+1.00	+1.00	+1.01	-1.16	+1.01	+1.00	13774	13774	13774	13774	13774	11109	11158	11753	17212
	HFA12981	+1.00	+1.37	+1.00	+1.00	-1.25	-1.04	+1.12	+1.00	15520	15520	21196	15520	15520	13885	11923	13974	13774
*	HFA13365	+1.38	+1.53	+1.11	-1.08	+1.94	-1.07	+1.84	-1.16	38520	53212	58777	42615	35626	12423	14986	17414	15520
	HFA13749	-1.03	+1.00	+1.00	+1.00	-1.02	+1.23	+1.05	+1.00	12760	12424	12760	12760	12760	74778	36045	70821	33191
*	HFA17448	+1.05	+1.16	+1.07	-1.01	+1.65	+1.42	+1.73	+2.38	115810	121435	134765	124107	114179	12497	15676	13350	12760
	HFA17545	-1.59	+1.00	+1.00	+1.00	-1.04	-1.01	-1.27	+1.00	15560	9774	15560	15560	15560	191555	163967	200467	275503
*	HFA19130	+1.40	+1.11	+1.08	+1.37	+1.35	-1.36	+1.35	+1.45	80924	113240	89658	87118	110570	14940	15333	12254	15560
	HFA20758	-1.00	+1.07	+1.00	+1.00	+1.00	+2.34	+2.70	+1.00	15920	15920	16984	15920	15920	109357	59379	109171	117685
	HFA21212	+1.08	+1.00	+1.00	+1.00	-1.06	+1.13	+1.70	+1.55	28220	30502	28220	28220	28220	15920	37190	42946	15920
*	HFA20317	+2.21	+1.76	+2.62	+2.28	+1.69	+1.05	+2.89	+1.96	167600	370254	294433	439291	382432	26578	31941	47959	43765
*	HFA16792	+1.17	+1.72	+1.09	-2.05	-1.42	-1.26	-1.12	-1.50	90408	105734	155159	98468	44035	283719	175926	484966	328223
*	HFA17253	+1.57	+1.09	+1.00	+1.00	+1.00	-2.29	+1.86	+1.00	38588	60447	42016	38588	38588	63488	71669	80396	60199
	HFA00634	-2.01	-1.55	+1.00	-1.02	-1.12	-1.28	-1.42	+1.01	38220	19005	24603	38220	37557	38588	16866	71704	38588
*	HFA02942	+1.17	-1.56	+1.02	-1.14	-3.09	-2.47	-1.75	-1.04	231280	271353	147860	235602	203044	34203	29771	26966	38470
*	HFA04498	+1.15	-1.78	-1.63	-1.79	-3.05	-4.62	-2.74	-3.93	234548	269539	132094	143607	131102	74913	93671	132443	222559
*	HFA06695	-1.66	-1.27	-1.34	-2.30	-2.22	-2.69	-2.11	-3.07	112988	67882	89098	84320	49077	76849	50719	85654	59692
*	HFA06921	+1.52	+1.13	+1.12	-1.42	-1.75	-2.21	-1.13	+1.18	291448	442468	327932	327360	205031	50854	42000	53587	36797
*	HFA11381	+1.62	-3.65	-3.24	-3.48	-6.92	-10.88	-4.41	-6.13	215760	350585	59059	66614	62085	166279	131653	258353	343535
*	HFA11263	+1.15	-1.59	-1.56	-1.21	-1.83	-2.84	-2.17	-2.65	55100	63592	34749	35336	45538	31169	19838	48897	35181
	HFA14415	+1.14	+1.14	+1.27	-1.16	+1.11	-1.90	-1.11	-1.16	522878	596043	595837	666384	449625	30177	19389	25389	20758
*	HFA16752	+1.00	-1.04	+1.01	-1.06	-1.37	-2.07	-1.05	+1.40	156386	156643	150952	157362	147753	580218	274497	470450	449700
	HFA14141	-1.08	-1.00	+1.00	+1.09	-1.11	-1.15	+1.24	+1.13	22160	20514	22104	22160	24044	113910	75525	149326	218721
*	HFA18141	+1.69	+1.41	+1.00	+1.29	+1.34	+2.02	+4.04	+5.67	24188	40779	34204	24188	31149	20026	19239	27561	25141
*	HFA00572	+2.08	+5.32	+4.19	+2.66	+4.29	+2.40	+4.76	+10.93	94260	195865	501381	395235	250748	32317	48762	97741	137108
	HFA03142	+1.35	+1.41	+1.25	+1.35	+1.35	+1.05	+1.40	+1.66	29658	40154	41870	36932	40044	404225	226462	448208	1030002
	HFA02216	-1.04	+1.00	+1.00	+1.10	-1.03	+1.00	+1.09	+1.11	15720	15170	15720	15720	17216	40177	31144	41407	49285
*	HFA03634	+4.77	+4.32	+2.40	-1.20	+2.80	+1.73	+1.07	+1.08	61560	293574	266198	147910	51390	15322	15769	17060	17406
*	HFA02381	+1.38	+1.03	+1.43	+1.00	+1.57	+2.54	+2.35	+1.07	31430	43399	32505	44984	31477	172146	106362	65844	66622
*	HFA04687	+6.30	+2.43	+1.05	+1.19	+1.43	-1.69	-1.19	-1.82	61506	387182	149237	64306	73439	49461	79677	73915	33671
*	HFA07376	-1.09	-1.18	+1.09	+1.13	+1.16	+1.00	+1.94	+1.55	36714	33621	31144	39882	41535	87724	36333	51751	33814
	HFA07230	+1.05	+1.29	+1.29	+1.18	+1.02	+1.28	+1.47	-1.01	20100	21076	25970	25840	23701	42498	36841	71109	57063
*	HFA06072	+1.15	-1.21	-1.06	+1.13	+1.15	-1.53	-1.32	-1.04	51120	58695	42378	48386	57663	20413	25764	29633	19906
*	HFA08143	+1.23	+1.29	+1.02	-1.15	+1.36	-1.40	+1.00	-1.19	219050	268745	282803	224327	190851	58954	33471	38817	49319
	HFA09898	+1.40	+1.19	+1.00	+1.00	+1.15	-1.79	+1.33	+1.00	18580	26070	22178	18580	18580	297214	156999	220047	184069
*	HFA10592	-1.27	-1.19	-1.10	+1.45	+1.44	+1.90	+2.82	+4.29	38350	30272	32130	34820	55598	21288	10375	24770	18580
*	HFA09935	+1.79	+1.07	+1.15	+1.39	+1.34	+4.01	+3.17	+3.32	62470	111825	66748	71877	86708	55036	72914	108059	164429

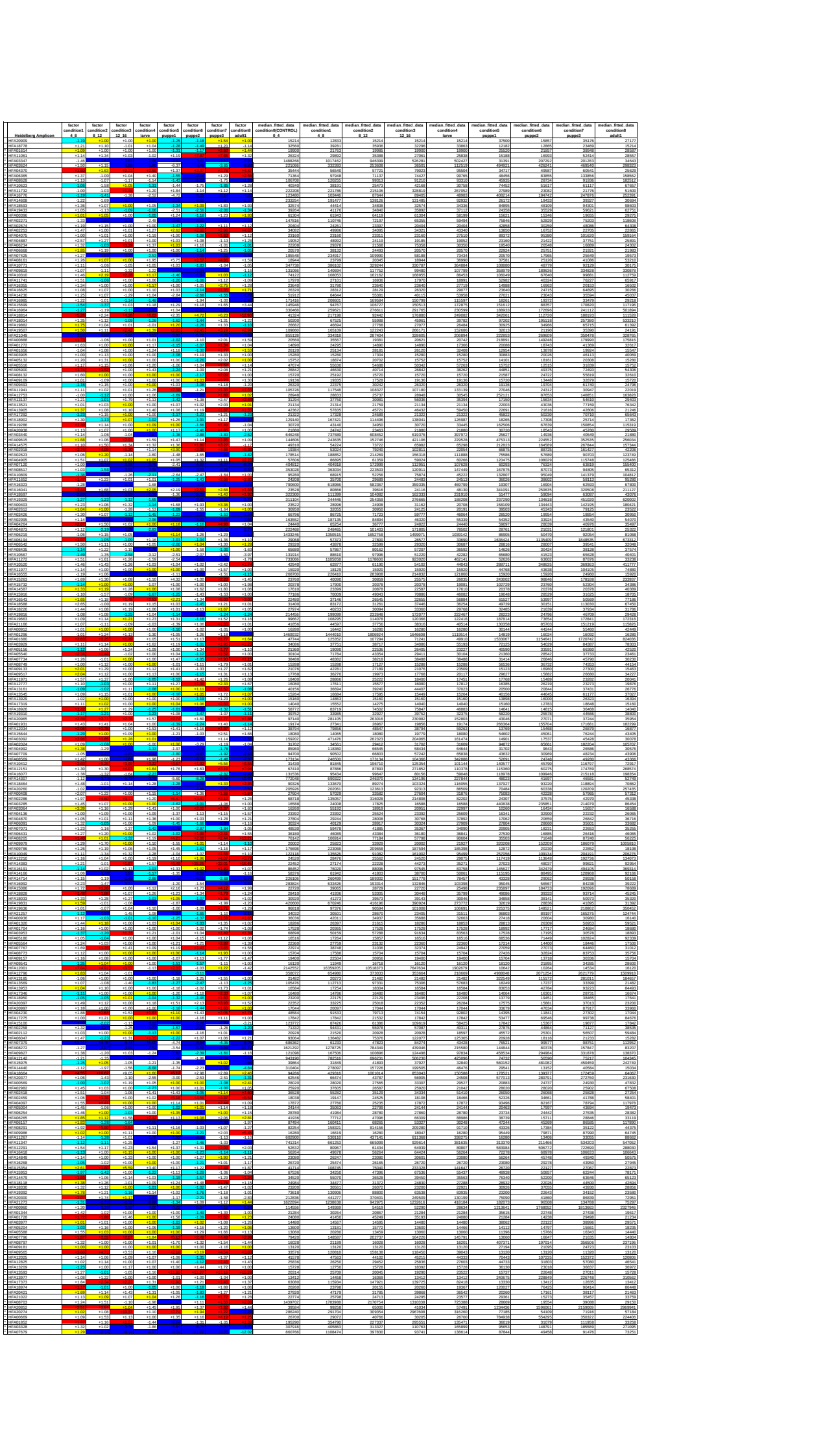


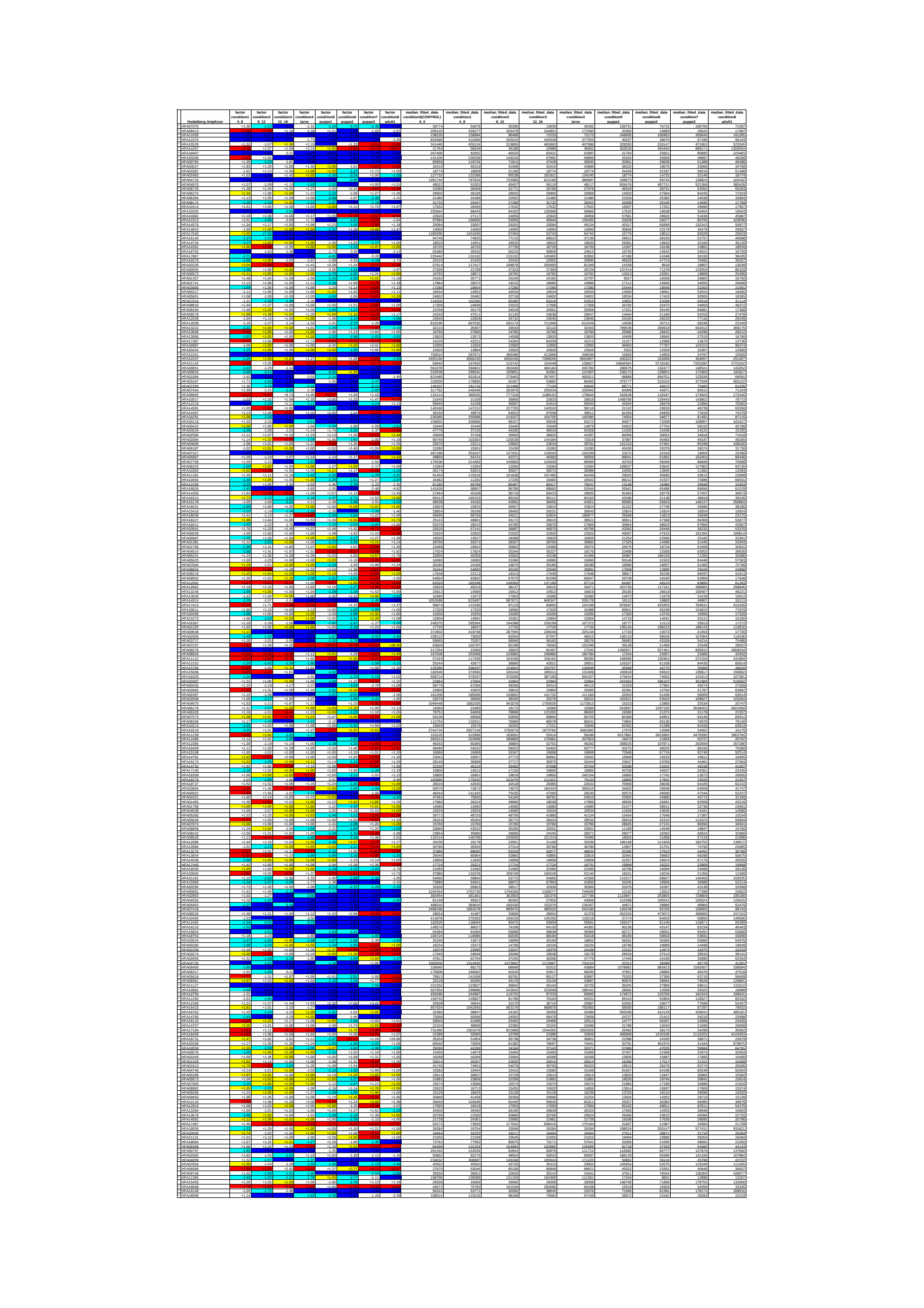




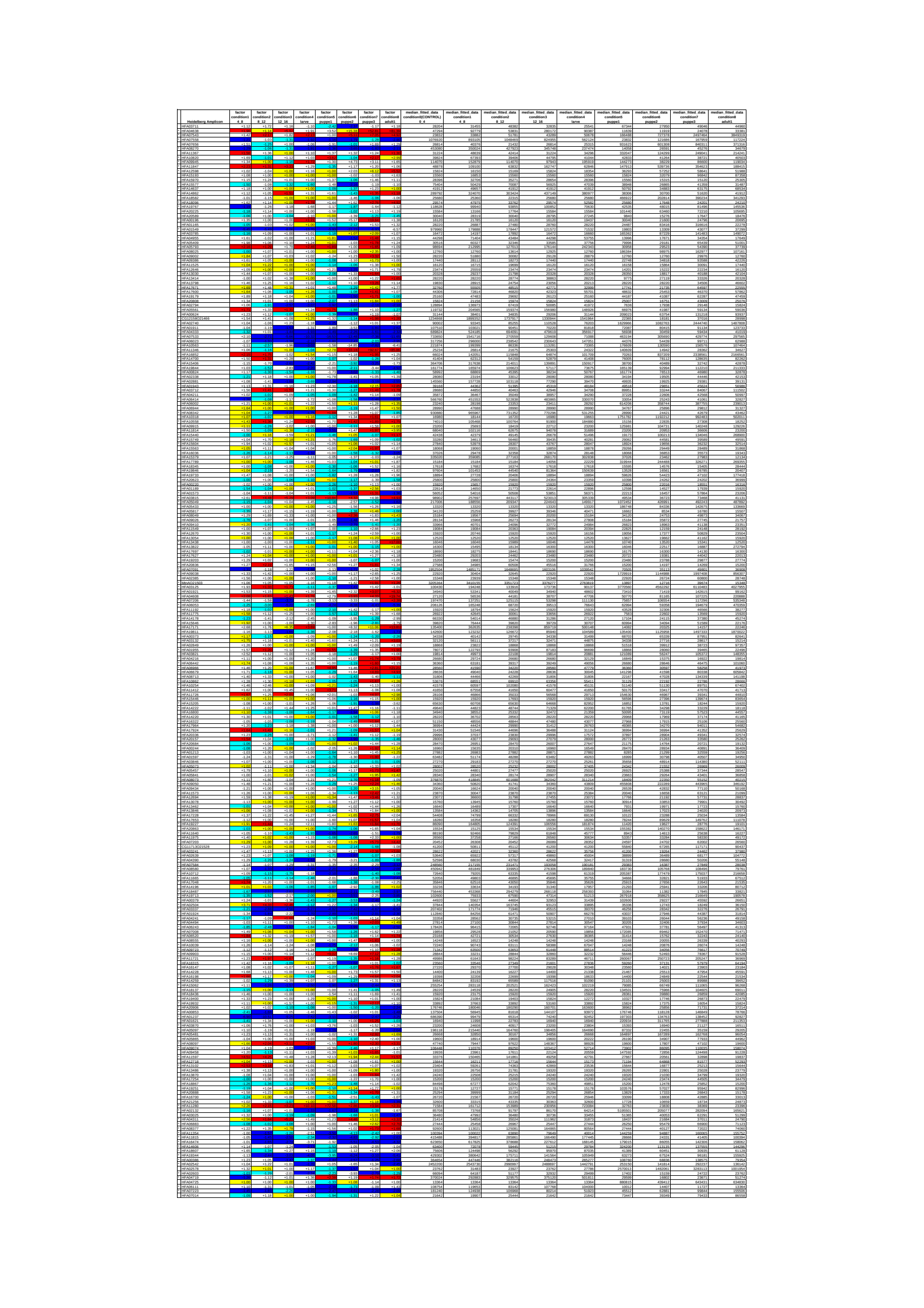


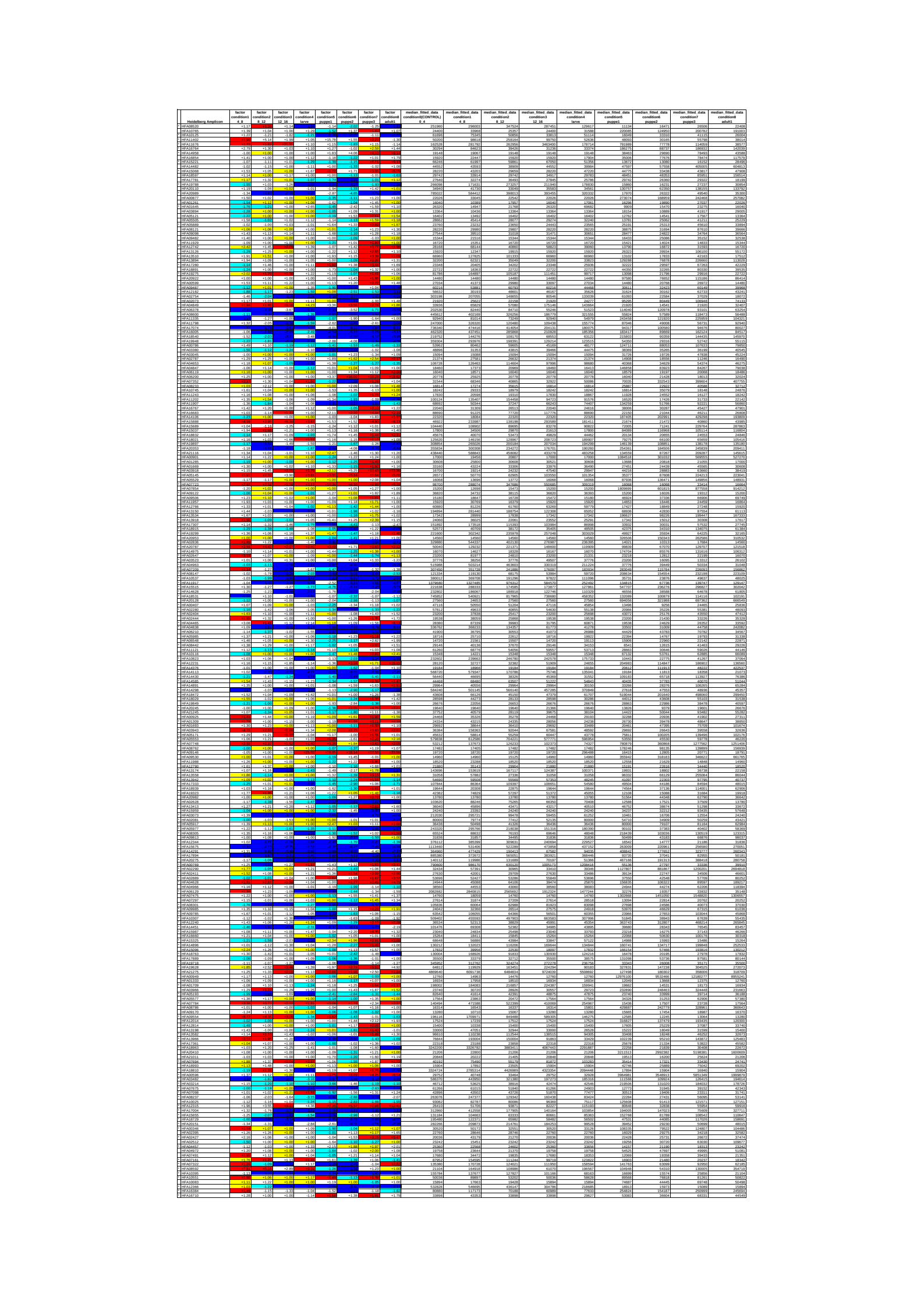
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA13401	-1.03	+1.13	+1.83	+1.79	+2.12	+2.96	+6.22	+3.32	21120	20503	23824	38618	37909	2654412	2384006	3893294	1443788
*	HFA13785	+1.62	-1.11	+1.00	+1.01	+1.00	-1.44	+2.21	+1.08	23240	37599	21031	23240	23445	44714	62546	131398	70021
	HFA17548	+1.20	-1.03	+1.00	+1.00	+1.61	+1.71	+2.61	+1.51	17562	21127	17119	17562	17562	23240	16118	51299	25161
	HFA17586	-1.01	+1.00	+1.00	+1.00	-1.08	-1.53	+1.05	+1.04	20080	19928	20080	20080	20080	28356	29958	45813	26550
	HFA19166	+1.02	+1.02	+1.00	+1.00	+1.33	-1.17	+1.59	+1.07	22088	22498	22457	22088	22088	18566	13157	21078	20838
*	HFA20794	+2.10	+1.25	+1.38	+1.18	+1.12	+1.08	+2.09	+2.09	26840	56341	33422	36974	31546	29381	18937	35070	23613
*	HFA21291	+4.09	+5.24	+2.04	+1.61	+1.97	+1.01	+1.14	-1.56	93104	381080	487505	190395	150186	30044	29068	56067	56204
*	HFA05060	+1.50	+1.17	+1.43	+1.91	+1.77	+1.65	+1.89	+3.32	41174	61935	48014	58948	78798	183354	93585	106207	59627
*	HFA19958	-2.08	-1.56	-1.37	-1.76	-1.94	-2.13	-1.95	-2.98	160186	76983	102886	116563	90964	72779	68014	77868	136535
*	HFA03118	-1.65	-2.08	-3.01	-3.65	-5.46	-7.95	-4.12	-5.42	521130	316321	250876	173395	142638	82433	75106	82032	53827
*	HFA03415	+1.18	-1.74	-1.97	-2.46	-1.88	-4.08	-3.29	-5.35	178064	209247	102576	90394	72264	95389	65533	126383	96216
*	HFA04496	-1.40	-1.76	-2.49	-2.92	-4.13	-4.44	-2.68	-3.35	131578	94023	74745	52829	44986	94837	43641	54057	33266
*	HFA07041	+1.83	+3.28	+2.75	+1.20	+1.59	+2.38	+2.79	+2.77	30400	55707	99694	83490	36424	31852	29638	49026	39286
*	HFA07021	+3.75	+3.76	+1.01	-1.54	-5.37	-4.37	-2.12	-3.84	224600	841281	843829	225724	145629	48262	72427	84927	84127
*	HFA10322	-2.16	-1.91	-2.36	-2.32	-2.94	-3.92	-2.41	-1.18	398656	184947	208974	168582	171723	41859	51347	106063	58456
*	HFA10987	+1.00	+1.56	-1.42	-1.03	-2.02	-2.21	-1.27	-1.14	90400	90400	141324	63806	87462	135468	101598	165342	337548
*	HFA15223	+1.01	-1.17	-1.22	-1.30	+1.11	-2.56	-1.31	-1.58	212542	215396	181419	174004	163703	44850	40846	71250	79151
*	HFA16754	+1.00	+1.00	+1.06	-1.32	-1.72	-1.25	+1.17	+2.86	81004	81004	81004	86221	61544	236473	83054	162616	134287
*	HFA14324	+1.12	+1.24	+1.32	+1.94	-1.06	-1.16	+1.48	+1.27	1257878	1408488	1555123	1663182	2439133	47138	64867	94914	231630
*	HFA19541	+1.38	+1.82	+1.54	+1.03	+1.61	+1.41	+1.87	+1.84	78860	108675	143674	121636	81330	1185293	1086510	1862296	1597031
	HFA00358	+1.24	+1.00	+1.00	+1.00	-1.73	-1.73	-1.35	-1.02	25054	30972	25054	25054	25054	127238	111531	147612	144767
*	HFA03334	+1.36	+1.67	+1.76	+1.57	-1.05	+1.07	+2.61	+2.25	25524	34839	42605	44958	40182	14467	14484	18591	24457
*	HFA02232	+1.38	-1.00	+1.00	+1.79	-1.06	-1.33	+1.20	+1.27	30222	41564	30194	30222	54130	24346	27352	66673	57540
	HFA03525	+1.02	-1.08	+1.20	-1.05	+1.13	-1.57	-1.01	-1.04	279254	284938	258918	334867	266910	28579	22680	36344	38450
*	HFA03740	+2.27	+2.83	+2.29	+1.20	+1.21	-3.01	-1.41	-3.00	178900	405809	506122	409250	214512	314900	178068	275940	269645
*	HFA04281	+1.21	+3.05	+14.03	+1.74	+11.68	+23.79	+16.37	+7.67	39068	47225	119197	548138	68168	216712	59530	126783	59545
*	HFA06419	+1.53	+1.07	+1.00	+1.00	+5.49	+5.11	+1.49	+1.40	23344	35705	25084	23344	23344	456446	929550	639731	299492
*	HFA06860	+1.03	-1.13	-1.55	-1.38	-2.17	-1.98	-1.37	-1.73	54048	55786	47873	34954	39266	128058	119277	34888	32609
	HFA06953	+1.09	-1.08	+1.03	-1.02	+1.20	-1.17	-1.01	+1.24	34996	38114	32434	35959	34182	24945	27278	39372	31183
*	HFA08213	+2.05	+2.01	+10.49	+5.91	+4.44	+6.91	+9.16	+7.50	134084	274348	269277	1406023	792313	41943	29971	34791	43283
	HFA11013	+1.23	-1.01	+1.67	+1.43	-1.26	+1.18	+1.76	+1.31	27246	33406	27033	45568	38972	595253	926135	1228575	1005249
*	HFA10806	+1.00	+1.11	+1.07	+1.71	+1.58	+1.18	+1.63	+2.14	33822	33822	37488	36277	57914	21688	32096	47879	35769
*	HFA09940	+1.35	-1.15	+1.02	+1.24	+1.06	+1.29	+1.66	+11.45	25762	34773	22375	26357	31955	53344	39902	55099	72479
	HFA11760	+1.14	+1.00	+1.00	+1.00	-1.25	+2.10	+1.29	+1.89	15720	17991	15720	15720	15720	27309	33106	42884	295023
	HFA12537	+1.20	+1.00	+1.00	+1.10	+1.00	-1.01	+1.05	+1.76	15320	18322	15320	15320	16819	12542	33083	20321	29699
	HFA15654	+1.30	-1.10	-1.25	+1.00	-1.25	-2.26	-1.00	-1.42	37980	49469	34631	30307	37980	15320	15216	16058	26995
	HFA15764	+1.44	+1.08	+1.00	+1.04	+1.00	+1.00	+1.17	+1.71	20068	28947	21709	20068	20842	30358	16840	37874	26828
	HFA15108	+1.08	-1.12	-1.06	-1.28	-1.06	-1.96	-1.11	-1.39	106880	115363	95588	101269	83686	20068	20068	23573	34311
	HFA15361	+1.02	+1.98	+1.17	+1.00	+1.00	-1.09	+1.26	+2.84	15280	15648	30283	17833	15280	100599	54619	96326	76743
*	HFA14858	+2.37	+1.65	+1.06	+1.44	+1.41	+1.17	+2.39	+1.61	44556	105590	73647	47308	64377	15280	14034	19301	43395
	HFA18566	+1.79	+1.09	+1.00	+1.08	+1.00	-1.13	+1.01	+1.63	21728	38896	23672	21728	23559	62772	52220	106477	71571
*	HFA18709	+2.30	+1.84	+1.28	-1.18	-2.07	-1.95	-1.43	-1.56	575848	1326720	1057737	738157	486404	21728	19183	22044	35476
	HFA19641	+1.15	+1.13	+1.00	+1.00	+1.00	-1.12	+1.07	+1.08	15696	18074	17770	15696	15696	277608	295946	403090	368335
*	HFA20211	-1.77	-1.58	-1.29	-1.57	-1.46	-2.11	-1.22	-1.33	337648	190870	213470	261251	214908	15696	14035	16729	16929
	HFA20506	+1.15	+1.00	+1.00	+1.00	+1.07	-1.03	-1.00	+1.00	15184	17407	15184	15184	15184	231521	160387	277384	253401
*	HFA00207	-1.42	-1.55	-1.23	-3.06	-1.93	-3.90	-2.40	-1.79	62762	44167	40551	50853	20931	16266	14765	15184	15184
*	HFA01176	-1.26	-1.23	-1.13	-1.28	-1.03	-2.70	-1.42	-2.45	600156	475391	486614	532109	467447	32439	16107	26164	35126
*	HFA01560	+1.57	+2.26	+2.83	+1.20	+1.32	-1.14	+2.22	+1.69	55284	86621	124764	156265	66359	584205	222029	421326	245146
	HFA03802	-1.02	+1.11	+1.00	+1.00	-1.57	-1.01	+1.22	+1.14	16360	16062	18198	16360	16360	73233	48541	122666	93458
*	HFA05036	+1.93	-1.08	+1.00	+1.22	+1.37	-1.12	+1.83	+1.17	26062	50283	24028	26062	31784	10445	16203	20038	18586
*	HFA05420	-1.17	+1.17	+1.00	+1.00	+1.02	+1.37	+3.64	+2.31	17966	15421	21083	17966	17966	35714	23362	47769	30521
*	HFA05804	+4.12	+1.97	+3.06	+1.31	+2.97	+2.65	+3.63	+3.03	84888	349450	166835	259857	111348	18368	24568	65394	41576
*	HFA08036	+1.42	+1.15	+1.00	+1.14	+1.00	+1.27	+2.21	+1.19	26926	38146	30942	26926	30799	252537	225161	308278	256830
*	HFA09013	+1.40	+1.07	+1.32	+1.36	+1.38	+1.29	+1.79	+1.37	44000	61589	47104	58103	59649	26926	34288	59479	32003
	HFA09397	+1.26	+1.01	+1.00	+1.21	+1.00	-1.36	+1.51	+1.50	28882	36334	29285	28882	34860	60679	56787	78955	60486
	HFA11536	+1.28	-1.02	+1.00	+1.34	-1.01	-1.28	+1.29	+1.03	22800	29205	22246	22800	30663	28882	21236	43562	43200
	HFA12657	+1.23	-1.01	+1.00	+1.05	+1.00	-1.68	+1.79	+1.32	26614	32647	26249	26614	28024	22523	17769	29492	23582
*	HFA13041	-1.08	-1.28	+1.03	-1.26	-1.19	-3.38	-1.18	-1.44	62216	57772	48543	63810	49486	26614	15798	47620	35204
	HFA13425	-1.05	+1.00	+1.05	+1.00	+1.00	-1.16	+1.69	+1.55	22640	21485	22640	23816	22640	52230	18388	52645	43159
*	HFA13809	+1.32	+1.47	+1.25	+1.04	+1.00	-1.09	+2.17	+1.46	27680	36473	40655	34642	28801	22640	19455	38232	35111
	HFA17683	+1.02	+1.18	+1.11	+1.00	+1.00	+1.12	+2.14	+1.20	22020	22427	25975	24489	22020	27811	25317	60046	40386
*	HFA17612	+1.23	+1.34	+1.34	+1.12	+1.47	+1.18	+1.68	-1.82	3169822	3903608	4241261	4241581	3559560	22020	24613	47172	26446
	HFA19190	+1.20	-1.29	+1.00	+1.00	-1.10	-1.02	+2.35	+1.08	18840	22662	14562	18840	18840	4643824	3745033	5335919	1741490
*	HFA20822	+1.63	+1.50	+1.51	+1.96	+1.72	-1.93	+1.57	+2.61	38510	62948	57742	58294	75508	17059	18399	44274	20352
*	HFA07628	+1.82	+1.58	+2.10	+2.15	+1.43	+1.95	+4.04	+2.00	27910	50853	44192	58738	59910	66254	19936	60570	100455
*	HFA07860	+5.47	+4.77	+3.22	+1.12	+1.74	-1.51	+1.21	-1.48	912294	4994100	4355825	2935157	1018508	40044	54479	112892	55906
	HFA03045	-1.01	+1.00	+1.00	+1.00	+1.04	+1.40	+1.53	-1.14	25800	25503	25800	25800	25800	1589798	602537	1101975	617717
*	Cyt-b5O21465	+1.44	+1.58	+1.70	+1.16	-1.03	-1.41	+1.66	-1.10	701940	1013600	1106882	1195122	813823	26924	36118	39466	22710
*	HFA02353	-1.49	+1.32	+1.52	-1.33	-1.13	+1.19	+1.83	-2.43	3343610	2243015	4423996	5081499	2513151	681334	499317	1167007	639372
*	HFA03455	-1.20	-1.49	-2.90	-2.74	-2.41	-4.15	-4.41	-5.21	512948	426955	343817	176860	187378	2960566	3990135	6123602	1378315
*	HFA04342	-1.90	-3.11	-4.87	-4.24	-3.91	-7.34	-5.75	-3.73	404120	212694	129777	83026	95229	212521	123515	116365	98411
*	HFA07357	-1.75	-1.54	-1.50	-2.63	-2.46	-2.96	-2.90	-2.49	716440	408450	465444	478002	272132	103473	55074	70306	108314
*	HFA07338	+1.25	-1.50	-1.79	-1.91	-2.67	-4.41	-1.92	-1.46	137256	171474	91592	76583	72027	290815	242029	239860	288084
*	HFA10475	+1.14	+1.14	-1.05	-1.93	-1.96	-3.09	-1.61	-1.56	126538	143841	144165	120284	65459	51459	31108	71344	94142
*	HFA10250	+1.02	-1.67	-2.67	-2.07	-3.79	-4.94	-2.65	-3.18	151910	154424	91136	56915	73342	64475	40938	78644	80949
*	HFA16997	+2.34	+2.40	+4.95	+1.55	+7.68	+5.07	+5.08	+6.58	59700	139827	143406	295738	92399	40050	30735	57261	47777
*	HFA15774	+2.04	+3.64	+1.53	-1.48	+1.40	+1.35	-1.16	-1.41	40894	83256	148763	62419	27616	458245	302643	303089	392974
*	HFA17154	-1.18	-1.05	+1.42	-1.02	+1.09	+1.03	+1.22	+1.07	715712	608410	680624	1013677	704920	57137	55079	35205	28992
*	HFA19830	+1.11	-1.14	-1.82	-1.42	-1.37	-2.75	-2.24	-2.15	340136	379149	297366	187005	239991	778506	736436	875273	762672
	HFA00370	+1.10	+1.00	+1.16	-1.01	-2.18	-1.06	+1.08	+1.00	24920	27432	24920	28826	24714	248332	123768	151691	158477
*	HFA01855	-1.07	-1.09	+1.00	-1.51	+1.00	+2.00	+1.60	+1.61	32720	30624	30021	32720	21693	11429	23604	26946	24920
	HFA02656	+1.43	+1.32	-1.21	-1.18	-1.15	+1.05	+1.33	+1.32	21908	31246	28892	18045	18490	32720	65602	52513	52840
*	HFA01930	+1.31	+1.43	+1.04	+1.00	+2.40	+1.51	+1.68	+3.13	29540	38755	42201	30806	29540	19069	22990	29121	28873
	HFA03754	+1.65	+1.23	-1.02	+1.37	-1.27	-1.30	+1.34	+1.10	22696	37390	27973	22156	31035	70865	44486	49765	92541
*	HFA04369	+1.38	-1.23	+1.18	+1.48	-1.12	-2.02	-1.40	-1.96	314352	433967	255357	371498	465330	17845	17507	30332	24860
*	HFA07267	-1.49	-1.14	+1.00	-1.01	+1.03	-1.54	+1.26	+1.62	22440	15012	19614	22440	22293	281468	155887	224510	160595
	HFA06886	+1.29	+1.08	+1.10	+1.04	+1.65	-1.06	+1.41	+2.42	18802	24218	20248	20681	19633	23036	14550	28220	36325
	HFA06767	+1.02	+1.21	+1.04	-1.00	+1.25	-1.49	+1.07	+1.11	20080	20403	24356	20942	20006	31029	17705	26459	45510
*	HFA08617	-1.47	-1.31	-1.25	-2.87	-1.50	-1.93	-1.02	-2.42	126530	85847	96769	101538	44119	25124	13437	21577	22207
	HFA10234	+1.21	+1.13	+1.00	-1.11	-1.14	-1.34	-1.00	+1.00	15920	19323	17934	15920	14286	84201	65568	123549	52188
*	HFA10289	-1.06	+1.39	+1.00	+11.66	+1.37	+1.34	+1.04	-1.60	32864	31028	45599	32864	383350	13945	11918	15920	15920
*	HFA10405	+1.36	+1.15	+1.74	+1.38	+1.10	+2.42	+1.60	+6.91	69698	94582	80275	120933	96330	44923	43963	34067	20519
	HFA11737	+1.19	+1.00	+1.00	+1.00	-1.05	+1.00	+1.47	+1.00	13780	16359	13780	13780	13780	76934	168722	111520	481433
	HFA15458	+1.30	+1.15	+1.13	+1.00	+1.00	+1.00	+1.92	+1.93	24040	31326	27673	27110	24040	13063	13780	20255	13780
*	HFA15761	+1.91	+1.02	-1.07	+1.00	+1.30	+1.01	+1.40	-1.00	55280	105662	56457	51820	55280	24040	24040	46251	46278
*	HFA14403	+1.53	+1.01	-1.65	+1.00	+1.02	-1.26	+1.24	-1.21	37282	57195	37667	22600	37282	71719	56003	77199	55074
	HFA15797	-1.57	+1.11	+1.00	+1.00	+1.04	+1.00	+1.57	+1.02	19106	12171	21290	19106	19106	38050	29698	46100	30737
	HFA16946	-1.00	+1.00	+1.00	+1.13	+1.23	-1.21	-1.01	+1.00	17284	17284	17284	17284	19486	19943	19106	30018	19502
*	HFA15047	+1.28	+1.57	+9.04	+1.20	+3.11	+1.35	+2.06	+2.58	62950	80684	98678	569032	75816	21215	14279	17074	17284
	HFA17961	-1.02	+1.11	+1.00	+1.00	-1.02	+1.15	+1.72	+1.38	18242	17971	20318	18242	18297	196008	84900	129432	162455
	HFA17890	+1.30	+1.16	+1.03	+1.00	-1.18	-1.17	+1.15	+1.06	22880	29737	26495	23453	22880	17913	20925	31418	25167
*	HFA19707	+1.38	-1.00	+1.15	+1.26	+1.28	-1.38	+1.36	+1.27	103100	142374	102794	118633	129801	19458	19574	26385	24279
	HFA19527	+1.24	+1.10	+1.00	+1.00	-1.03	+1.24	+1.66	+1.99	19240	23837	21139	19240	19240	132160	74478	139927	131213
*	HFA20649	-1.11	-1.17	-1.20	-1.35	-1.18	-1.69	-1.27	-1.36	64950	58664	55399	54278	48125	18747	23919	31945	38370
*	HFA00231	+1.66	+1.12	-1.05	+1.26	+1.33	-1.42	+1.83	+1.35	51412	85355	57803	49004	64990	54839	38378	51297	47648
	HFA01200	-1.05	-1.11	-1.05	-1.03	-1.17	-2.20	-1.42	-1.53	38306	36311	34571	36481	37278	68251	36165	93988	69643
*	HFA01584	+1.66	+1.13	+1.00	-1.11	+1.11	-1.62	+1.27	+1.08	33400	55569	37770	33400	30057	32753	17444	26983	25069
	HFA03833	+1.26	-1.17	+1.00	+1.00	-1.04	-1.16	+1.42	+1.21	22960	28963	19574	22960	22960	36999	20620	42266	35967
*	HFA05060	+1.22	+1.22	+1.10	+1.00	+1.46	+1.24	+1.50	+1.69	32720	39916	39795	35852	32720	22170	19811	32636	27871
*	HFA05444	+1.10	+1.03	+1.30	+1.06	+1.53	+1.12	+1.71	+1.24	51712	56657	53155	67365	54901	47864	40652	49166	55244
*	HFA05828	+1.14	+1.00	+1.18	-1.12	+1.00	+1.09	+3.20	-1.01	19088	21736	19088	22580	17001	79276	58136	88225	64028
	HFA08060	-1.28	+1.00	+1.00	+1.00	+1.61	+2.23	+2.51	+2.54	16594	13001	16594	16594	16594	19088	20854	61155	18843
*	HFA09037	+1.23	-1.23	-1.08	+1.17	-1.01	-1.32	+1.38	+1.26	43964	53894	35879	40726	51473	26718	37016	41721	42125
*	HFA09421	+2.72	+1.78	+1.62	+1.96	+2.00	+2.23	+2.91	+3.43	34116	92956	60665	55360	67020	43664	33214	60860	55550
	HFA11560	-1.00	+1.00	+1.00	+1.00	+1.00	+1.05	+3.12	+1.00	14960	14960	14960	14960	14960	68178	76012	99218	117180
*	HFA12681	+1.13	+1.11	+1.00	-1.05	+1.04	+1.56	+2.77	-1.01	19000	21529	21152	19000	18086	14960	15714	46720	14960
*	HFA13065	-1.01	+1.18	-1.01	+1.43	+1.05	-2.05	-1.07	-1.66	111478	110589	130990	110048	159879	19752	29689	52539	18723
*	HFA13449	+1.28	+1.18	+1.34	+2.21	+2.55	+2.15	+4.92	+2.21	29520	37722	34800	39487	65369	117074	54478	103779	67235
	HFA13833	+2.55	+1.75	+1.02	+1.17	+1.08	+1.28	+1.91	+1.21	17430	44394	30516	17859	20368	75158	63532	145253	65140
	HFA17709	+1.44	+1.17	+1.00	+1.00	-1.06	+1.33	+1.93	+1.04	25580	36785	30053	25580	25580	18749	22353	33264	21154
*	HFA17639	-1.22	-1.20	-1.29	-1.61	-1.21	-2.24	-1.29	-2.24	791750	647390	658377	615842	492912	24157	34038	49315	26638
*	HFA19214	-1.21	-1.02	-1.17	-1.67	-1.10	-1.18	+1.32	-2.43	2235388	1853552	2182336	1911710	1338634	656468	354074	615534	353389
	HFA20850	+1.23	+1.00	+1.02	+1.13	+1.36	+1.61	+1.98	+1.46	25032	30862	25057	25536	28347	2028034	1886464	2952204	921740
	HFA10518	+1.35	+1.40	+1.00	+1.00	-1.08	-1.58	+1.62	+1.21	19846	26778	27688	19846	19851	34043	40209	49499	36518
	HFA09353	+1.33	+1.40	+1.00	-1.10	-1.39	-1.21	+1.08	-1.32	25240	33616	35250	25269	22887	18294	12547	32248	24069
*	HFA04277	+1.32	-1.05	+1.00	+1.24	+1.07	+1.51	+1.85	+1.87	34394	45378	32726	34514	42481	18172	20856	27317	19099
	CG17879O21499	-1.19	+1.03	+1.00	+1.00	-1.11	-1.18	+1.02	+1.23	21920	18373	22489	21920	21920	36764	51845	63630	64225
*	HFA03143	-1.52	-2.00	-1.82	-1.52	-2.18	-2.76	-1.01	+1.27	432926	284104	216770	237840	285106	19824	18589	22337	27052
*	HFA03562	+1.12	-1.08	-1.08	-1.54	-2.26	-1.44	-1.26	-1.67	183288	205831	169235	169648	118872	198918	156857	427061	549853
*	HFA04373	+1.08	+1.37	+1.07	+1.22	+1.23	+2.29	+2.97	+3.43	26202	28291	35945	28105	31852	81066	127388	145123	109527
*	HFA07214	-1.07	-1.53	-2.36	-1.50	-2.14	-2.53	-1.69	-2.61	190110	176945	124178	80401	126569	32304	59899	77776	89985
*	HFA08585	+1.14	-1.24	-1.52	-2.02	-2.45	-2.55	-1.67	-1.66	163694	186510	132508	107755	81225	88858	75044	112447	72819
*	HFA10367	-1.53	-1.48	-1.72	-2.69	-3.18	-7.38	-3.34	-3.35	112986	73790	76189	65828	41963	66791	64176	98019	98871
*	HFA11742	+1.18	-1.02	-1.10	-1.08	-2.19	-2.74	-1.47	-1.04	32680	38708	31922	29775	30216	35576	15313	33796	33719
*	HFA15998	+2.53	+1.21	-2.66	-3.87	-1.25	-5.44	-4.71	-11.73	394240	996671	478215	148243	101775	14891	11934	22219	31537
*	HFA14149	-1.02	-2.19	-2.61	-3.98	-3.58	-5.11	-3.84	-4.16	177794	173970	81141	68122	44648	314768	72521	83618	33600
*	HFA17202	-1.60	-1.60	-1.81	-1.96	-2.56	-3.53	-2.54	-2.08	1078750	676274	676004	597217	551103	49670	34761	46353	42753
*	HFA19898	-1.28	-1.60	+1.09	-1.28	-1.89	-2.26	-1.38	-1.00	152068	119085	95158	166371	119102	421943	305437	425215	517614
	HFA00760	+1.34	+1.04	+1.00	+1.00	+1.00	+1.00	+1.19	+1.00	17854	23873	18592	17854	17854	80518	67411	109842	151370
*	HFA03146	-1.24	-1.82	-1.56	-1.80	-1.57	-2.54	-1.64	-2.28	123892	99594	68150	79543	68834	17854	17854	21262	17854
*	HFA02845	+1.21	-1.13	-1.38	-1.92	-1.89	-2.41	-1.92	-3.04	277642	336081	246459	201906	144428	78731	48743	75672	54266
	HFA03490	+1.70	+1.04	+1.04	+1.23	-1.04	+1.03	+1.76	+1.88	23144	39374	24024	23967	28456	147115	115211	144854	91384
	HFA04234	+1.39	+1.17	+1.00	+1.49	+1.25	+1.15	+1.39	+1.53	19436	26956	22691	19436	29044	22295	23941	40626	43612
*	HFA04481	+1.28	-1.00	+1.12	+1.06	+1.83	+1.67	+2.10	+3.51	65296	83830	65226	73205	68986	24249	22325	27083	29808
*	HFA07574	+1.88	+1.38	+1.08	+1.32	-1.03	-1.14	+1.43	+1.47	27760	52239	38350	29873	36708	119576	109073	137192	229033
*	HFA06375	+1.32	+1.19	+1.00	+1.00	+9.78	+2.33	+3.70	+1.07	16038	21122	19034	16038	16038	26884	24317	39565	40934
	HFA06939	+1.12	+1.00	+1.00	+1.00	-1.43	-1.40	+1.16	+1.00	21952	24541	21952	21952	21952	156919	37364	59348	17182
	HFA08499	+1.32	+1.24	+1.00	+1.58	+1.00	+1.27	+1.81	+1.70	25924	34345	32186	26043	40886	15302	15700	25571	21970
*	HFA11117	+1.09	+1.07	+1.00	+1.07	+1.28	+1.34	+3.08	+2.05	26294	28609	28196	26294	28040	25924	32872	46821	44116
*	HFA10746	+1.13	-1.49	+1.99	+1.88	+1.02	-1.54	+1.48	+3.05	85702	97064	57326	170510	160778	33782	35173	80871	54033
*	HFA11089	+1.17	+2.60	+1.61	+2.17	+1.00	+1.69	+4.46	+4.81	31062	36481	80688	50008	67364	87775	55577	126703	261500
	HFA11829	-1.02	+1.00	+1.00	+1.00	-1.37	-1.06	+1.25	+1.00	15878	15506	15878	15878	15878	31062	52585	138572	149555
*	HFA15450	+1.12	+1.35	+1.29	-1.10	+1.02	-1.40	+1.00	+1.21	115840	129750	156925	149368	105585	11602	15043	19914	15878
	HFA15392	+1.13	+1.07	+1.00	+1.00	-1.04	-1.01	+1.44	-1.07	18320	20690	19573	18320	18320	117620	82586	115910	140646
*	HFA16458	-1.00	+1.10	+1.46	+1.00	+4.78	+6.11	+2.62	+3.87	48360	48360	53247	70697	48360	17589	18110	26309	17133
	HFA15213	-1.02	+1.07	+1.00	+1.00	-1.03	-1.06	+1.01	+1.00	19748	19456	21071	19748	19748	231300	295293	126773	186933
	HFA14419	+1.15	+1.21	+1.08	-1.27	+1.09	-1.05	+1.08	+1.00	69734	80290	84595	75485	55100	19087	18715	19909	19748
*	HFA15055	+1.06	+1.24	+1.31	-1.14	+1.26	-1.60	+1.47	+1.28	60890	64613	75785	80013	53615	75744	66193	75258	69734
	HFA17909	-1.00	+1.00	+1.00	+1.00	+1.00	-1.19	+1.00	+1.12	24202	24202	24202	24202	24202	76669	37948	89586	77912
*	HFA18780	+1.09	-1.06	+1.01	-1.30	-2.86	-2.36	-1.54	-1.92	65140	70723	61284	65879	50016	24323	20261	24212	27068
*	HFA19825	+1.24	+1.00	+1.00	-1.11	-1.21	+1.02	+2.59	+1.98	22728	28115	22728	22728	20409	22773	27588	42382	33960
*	HFA19456	+1.30	+1.20	+1.00	-1.03	-1.08	-1.02	+2.22	+1.25	26120	33940	31375	26120	25281	18708	23139	58864	44891
	HFA20735	+1.33	+1.00	+1.00	+1.00	+1.00	-1.11	+1.23	-1.15	20914	27899	20914	20914	20914	24124	25536	58100	32747
	HFA00255	-1.11	+1.01	+1.03	+1.12	-1.61	-1.74	+1.01	+1.00	20520	18542	20675	21086	22958	20914	18773	25755	18240
*	HFA01224	-1.04	-1.00	+1.00	+1.38	+1.12	-1.56	+2.08	-1.05	36120	34589	36102	36120	49823	12775	11802	20721	20520
	HFA01608	+1.06	-1.09	+1.00	+1.07	-1.30	-1.34	+2.37	+1.19	20864	22215	19158	20864	22362	40408	23174	75164	34303
*	HFA03857	-1.03	+1.06	+1.32	+1.05	+1.10	+1.27	+1.85	+1.92	33920	33024	35878	44628	35527	15989	15554	49470	24836
*	HFA05084	+1.39	+1.02	+1.00	+1.07	-1.05	-1.33	+2.01	-1.14	26568	36982	27074	26568	28413	37352	43061	62915	65113
*	HFA05469	+1.90	+1.31	+1.28	+1.13	+1.30	+1.24	+1.73	+1.36	34072	64607	44696	43592	38366	25272	20040	53497	23299
	HFA05852	+1.00	+1.02	+1.00	+1.00	-1.01	-1.12	+1.43	+1.00	17716	17716	18074	17716	17716	44300	42382	58790	46175
*	HFA08084	+1.45	+1.04	-1.00	+1.03	+1.26	+1.07	+3.15	+1.41	52130	75387	54206	51873	53774	17627	15870	25385	17716
*	HFA09061	+1.49	+1.03	+1.00	+1.11	+1.09	+1.30	+2.15	+1.16	33248	49496	34403	33248	36830	65787	55724	164196	73646
*	HFA09445	-1.23	-1.17	-1.13	-1.61	-1.02	-1.79	-1.22	-2.06	1214528	985351	1041991	1075037	752913	36255	43189	71644	38631
	HFA11584	+1.03	+1.02	+1.00	+1.00	+1.08	-1.01	+1.43	+1.02	14160	14579	14391	14160	14160	1189689	679920	995067	590290
*	HFA12705	-1.00	-1.32	-1.14	-1.67	+1.06	-1.44	-1.13	-1.10	863218	862975	654266	756106	515819	15357	14001	20187	14478
	HFA13089	-1.19	-1.01	+1.00	+1.00	-1.24	-1.69	+1.19	+1.00	25296	21281	25081	25296	25296	915187	597858	766677	788224
*	HFA13473	+1.81	+6.72	+2.76	+2.25	+2.87	+1.49	+2.57	+1.87	53746	97362	361262	148523	120997	20350	14930	30122	25296
	HFA13857	+1.20	+1.14	+1.00	+1.00	-1.16	+1.00	+1.09	+1.03	13780	16499	15649	13780	13780	154399	80349	137920	100719
*	HFA17240	+1.89	+1.09	+1.00	+1.22	-1.00	+1.07	+1.99	+1.44	38534	72851	41820	38534	47120	11887	13780	15031	14149
*	HFA17665	+1.39	+1.00	+1.22	+1.85	+1.42	+1.37	+1.87	+1.51	65196	90391	65289	79791	120923	38367	41074	76525	55569
	HFA19238	-1.13	-1.03	-1.06	-1.29	-1.24	-1.96	+1.00	-1.21	39770	35148	38428	37587	30753	92801	89426	121733	98402
	HFA20874	-1.19	-1.07	+1.00	+1.01	+1.02	-1.64	+1.90	+1.44	21560	18159	20195	21560	21669	32187	20251	39808	32852
	HFA12343	-1.18	+1.02	+1.00	+1.00	-1.38	-1.39	+1.06	+1.00	15634	13287	15999	15634	15634	22004	13112	40992	30987
*	HFA13632	-1.03	-1.26	-1.55	-1.72	-2.11	-3.05	-1.97	-2.17	677056	657975	539052	436296	394760	11348	11265	16548	15634
*	HFA08205	+1.30	-1.00	+1.00	+1.14	+2.59	+1.48	+2.92	+5.57	32458	42357	32306	32458	37091	321109	221883	343684	312116
*	CG12639O21527	-1.06	+1.21	+1.34	-2.17	+1.04	-1.41	+1.29	-1.18	109320	103225	132287	146604	50375	84106	47907	94784	180858
*	HFA02270	-1.75	-1.58	-1.11	-2.24	+1.27	-1.08	-1.09	-1.03	80480	45925	50839	72396	35898	113356	77701	140734	92831
*	HFA02996	+1.07	-1.75	-1.59	-1.70	-2.23	-1.51	-1.73	-1.35	95910	102268	54780	60473	56407	101946	74836	73599	78275
*	HFA04393	-1.17	-1.10	-1.57	-2.17	-3.16	-3.84	-2.49	-2.49	151732	130135	138372	96633	70071	42916	63460	55531	70921
	HFA06363	+1.27	+1.00	-1.05	+1.08	+1.38	-1.27	+1.62	+2.66	29114	36951	29114	27718	31315	47995	39549	60873	60878
	HFA08567	+1.17	+1.09	+1.00	-1.09	-1.47	+1.08	-2.04	-1.29	27640	32298	30131	27640	25411	40130	22976	47206	77523
	HFA10968	+1.32	-1.06	+1.00	+1.00	-1.24	-1.25	+1.02	+1.16	16744	22115	15733	16744	16744	18824	29776	13562	21476
*	HFA11899	+1.38	-1.12	+1.00	-1.02	-1.82	-1.88	-1.14	+2.36	44610	61600	39750	44744	43786	13526	13374	17066	19436
*	HFA14125	-1.05	+1.06	+2.12	+2.02	+1.13	+1.25	+2.85	+4.91	136078	129574	144353	289054	275134	24548	23685	39057	105235
*	HFA14237	+1.15	-1.07	-1.51	-2.04	-2.50	-3.91	-2.44	-2.84	98352	113595	92185	65238	48121	153428	169494	387474	667720
*	HFA18840	-1.03	-1.19	-1.19	-1.49	-1.21	-1.61	-1.09	-1.03	491272	478576	414056	413883	330002	39343	25165	40238	34623
*	HFA19435	-1.17	-1.08	-1.45	-1.91	-1.55	-1.87	-1.52	-1.92	1586474	1360030	1466791	1095328	829897	404711	305783	451529	476874
*	HFA00750	-1.44	-3.01	-1.60	+1.11	-2.15	-1.52	+1.54	+1.56	261460	181798	86774	163868	289928	1021327	847467	1043778	824667
*	HFA03231	-2.80	-1.67	-1.80	-3.24	-2.37	-3.29	-3.44	-3.42	794002	283384	475490	442038	245568	121739	171607	403824	407258
	HFA02572	-1.02	+1.01	+1.00	+1.00	-1.26	+1.08	+1.17	+2.52	16190	15833	16336	16190	16190	334783	241415	230645	232184
	HFA01923	+1.10	+1.05	+1.00	+1.00	-1.03	-1.18	-1.21	+1.24	16160	17711	16964	16160	16160	12880	17443	19012	40784
	HFA04603	+1.01	+1.02	+1.00	+1.02	-1.24	-1.17	-1.12	-1.03	13976	14164	14239	13976	14242	15733	13668	13341	20041
	HFA04129	+1.14	+1.00	+1.00	+1.04	+1.33	-1.04	+1.19	+1.27	23684	26926	23755	23684	24626	11240	11970	12500	13581
	HFA06613	+1.16	+1.00	+1.00	-1.02	-1.02	-1.39	+1.36	+1.01	18336	21344	18336	18336	17921	31422	22777	28279	29964
*	HFA07650	-1.06	-1.04	-1.39	-1.76	-1.22	-1.68	+1.01	-3.44	1259462	1183509	1213288	908331	713970	17949	13210	24916	18610
	HFA06514	-1.17	+1.00	+1.00	-1.41	+1.04	-1.84	-1.16	+1.00	22640	19404	22640	22640	16009	1032873	749096	1271070	366120
	HFA08422	+1.43	+1.31	+1.00	+1.02	+1.08	-1.29	+1.02	+1.30	19814	28310	26043	19814	20163	23437	12331	19493	22640
*	HFA11265	-1.25	-2.93	-1.88	-2.29	+1.05	-2.92	-2.59	-4.04	132630	105780	45287	70492	57901	21491	15403	20230	25827
*	HFA10126	+1.01	-1.02	-1.02	-1.14	-1.02	-1.50	+1.18	+1.00	61084	61764	59972	59762	53380	138945	45370	51128	32834
*	HFA10073	-1.00	+1.00	+1.00	+1.00	+1.00	+1.06	+2.00	+1.03	27360	27360	27360	27360	27360	59695	40696	72179	61084
*	HFA11672	+1.22	+1.01	+1.00	-1.01	-1.29	+1.25	+2.12	+1.03	24640	30042	24783	24640	24452	27360	28992	54764	28101
	HFA14345	+1.03	+1.00	+1.00	+1.05	+1.00	+1.00	-1.00	+1.00	14760	15178	14760	14760	15436	19098	30733	52228	25401
	HFA14172	-1.00	+1.17	+1.00	+1.00	+2.80	+2.40	+1.65	+1.00	17440	17440	20455	17440	17440	14760	14760	14760	14760
	HFA15007	-1.43	+1.03	+1.00	-1.57	-1.30	-3.09	-1.44	-1.04	40408	28163	41661	40408	25744	48825	41771	28833	17440
*	HFA15874	+1.30	+1.21	+1.20	+1.37	+1.73	+1.68	+1.71	+2.27	30356	39344	36786	36500	41447	31155	13061	28025	39026
*	HFA14258	+1.36	+2.06	+1.86	+1.92	+2.49	+1.16	+3.95	+1.49	30548	41612	62964	56703	58672	52403	51056	51794	68791
	HFA15063	+1.36	+1.36	+1.13	+1.06	-1.11	+1.09	+1.68	+1.65	23876	32453	32497	26878	25364	76100	35360	120656	45585
*	HFA18187	+1.14	+1.02	-1.41	-1.56	-1.52	-2.23	-1.08	-1.05	82814	94525	84327	58938	53239	21555	26043	40176	39352
	HFA17866	+1.08	+1.10	+1.00	+1.01	-1.08	+1.01	+1.72	-1.05	21804	23521	23987	21804	22078	54578	37090	76835	78964
*	HFA19698	+1.23	+1.08	+3.08	+1.07	+1.01	-1.59	+1.21	+1.07	24080	29730	26122	74162	25883	20161	21976	37512	20861
*	HFA19516	+1.81	+1.14	+1.29	+1.01	+1.47	+1.24	+1.29	+1.46	31016	56215	35223	40100	31314	24402	15132	29220	25716
*	HFA20931	-1.26	-1.19	-1.29	-2.13	-2.30	-3.61	-1.93	-2.13	76520	60630	64213	59270	35920	45586	38347	40087	45200
	HFA00864	+1.15	+1.54	+1.00	+1.00	-1.18	-1.37	+1.14	+1.16	19400	22404	29968	19400	19400	33239	21202	39746	35943
	HFA01248	+1.00	-1.11	+1.00	-1.06	+1.00	-1.29	+1.88	-1.10	23744	23744	21307	23744	22462	16379	14206	22078	22434
*	HFA01632	+1.61	+1.19	+1.00	+1.10	+2.06	+2.64	+5.02	+4.42	22054	35569	26183	22054	24266	23859	18427	44740	21490
	HFA03881	-1.18	+1.06	+1.00	+1.00	+1.11	+1.47	+1.85	+2.33	15664	13284	16629	15664	15664	45385	58246	110742	97521
*	HFA05108	+1.07	-1.24	+1.07	+1.05	+1.62	-1.00	+1.82	-1.12	55920	59902	45029	59896	58733	17333	22980	28928	36537
	HFA05492	+1.02	+1.17	+1.11	+1.09	+1.01	+1.40	+1.87	-1.11	24446	25050	28626	27175	26756	90513	55706	101627	49908
	HFA05876	+1.00	+1.00	+1.00	+1.02	-1.07	+1.01	+1.42	-1.24	22600	22600	22600	22600	23157	24656	34244	45631	22038
	HFA08108	+1.07	-1.07	+1.00	-1.04	+1.05	+1.17	+1.63	+1.34	26500	28458	24883	26500	25570	21220	22781	32173	18187
*	HFA09085	+1.81	-1.02	+1.00	+1.03	+1.00	-1.26	+3.10	+1.84	20446	37039	20022	20446	21152	27801	31031	43176	35406
	HFA09469	-1.15	-1.11	+1.00	+1.02	-1.04	-1.26	-1.06	-1.12	28608	24940	25718	28608	29067	20446	16184	63336	37632
*	HFA11912	+2.75	+3.36	+2.48	+1.58	+4.47	+2.27	+2.02	+1.85	64938	178809	217918	161299	102414	27548	22704	27077	25575
*	HFA12729	+2.34	+2.49	+1.36	+1.26	+2.30	+2.21	+2.55	+2.50	31662	74238	78950	42992	39871	290317	147641	131365	120408
	HFA13113	-1.19	-1.08	+1.00	-1.04	-1.15	-1.33	-1.47	-1.09	28368	23770	26309	28368	27338	72913	70061	80632	79298
*	HFA13497	+1.30	+1.15	+1.00	+1.29	+1.08	+1.10	+3.07	+1.32	21880	28527	25228	21880	28256	24596	21314	19269	26110
	HFA13881	-1.01	+1.35	+1.00	+1.00	+1.44	-1.19	+1.58	+1.00	22800	22618	30827	22800	22800	23705	24090	67212	28943
	HFA17266	-1.09	-1.16	+1.00	-1.15	-1.00	-1.51	+1.31	-1.15	22180	20423	19082	22180	19319	32719	19205	36049	22800
*	HFA18878	+1.95	+1.13	+1.28	+1.34	+1.36	+1.01	+2.82	+5.89	43084	84100	48833	54943	57724	22073	14694	29153	19215
	HFA19262	-1.16	-1.19	+1.00	-1.02	-1.19	-2.81	-1.27	-1.64	44500	38267	37256	44500	43526	58529	43529	121501	253632

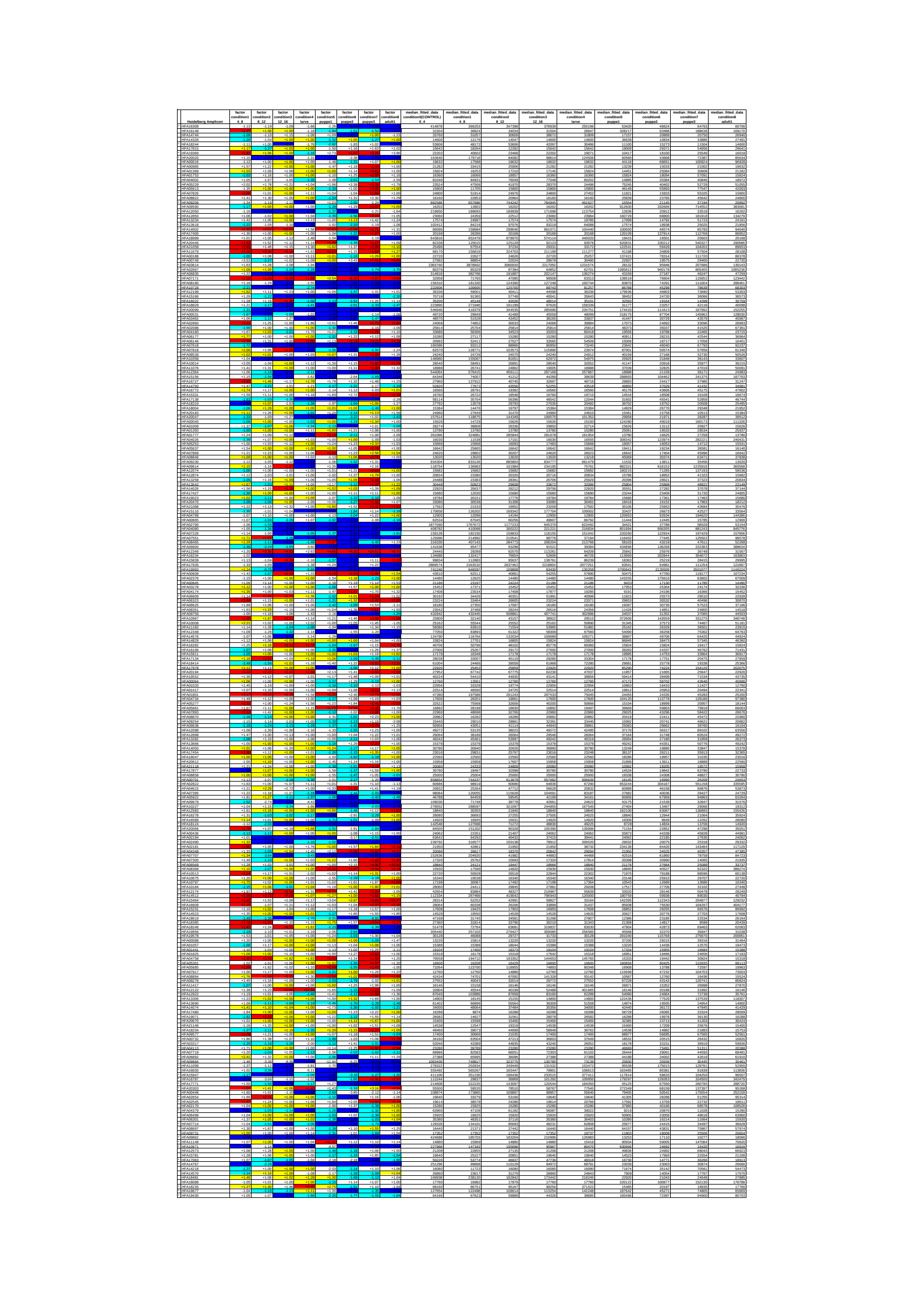


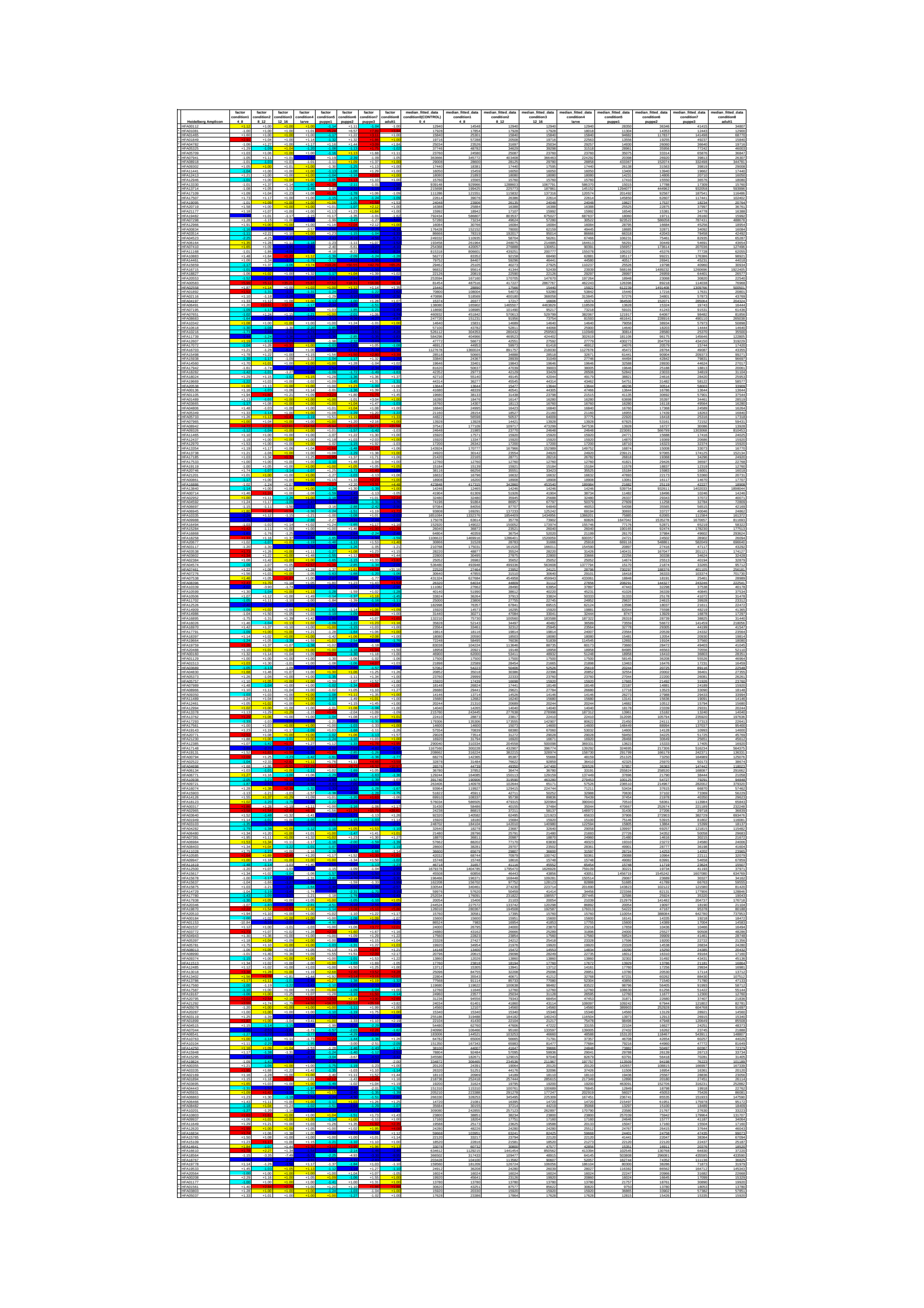


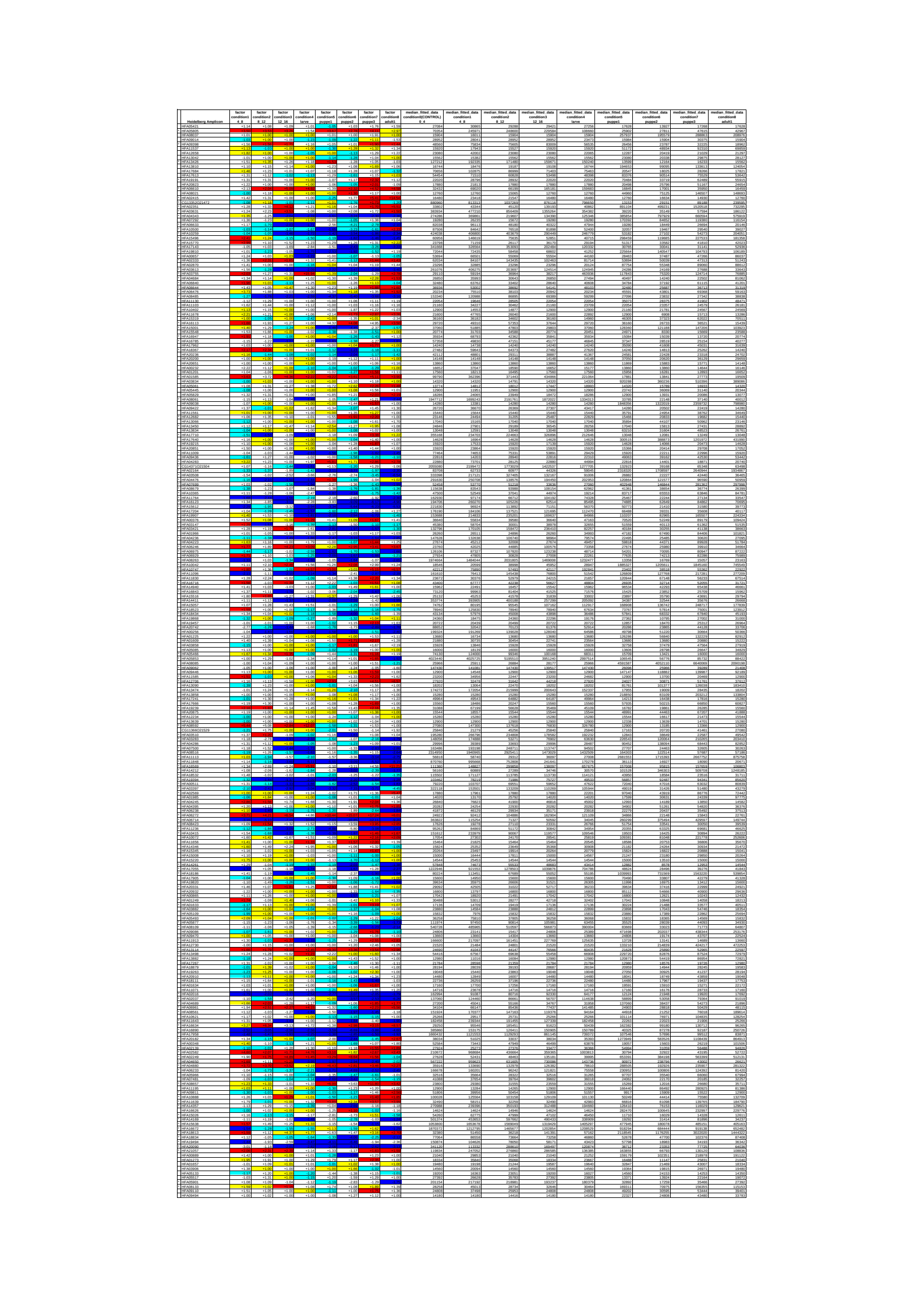
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA20316	+1.53	+1.02	-1.06	-1.28	-1.93	-2.54	-1.60	-1.12	35724	54674	36294	33734	27974	47654	31878	86215	47346
*	HFA00441	+1.77	+2.58	+3.01	+1.00	+1.89	+1.31	+2.03	+1.31	196892	348861	508073	592442	197265	18474	14079	22300	32032
*	HFA03222	+2.47	+1.38	+1.00	+3.59	-1.10	-1.15	+1.53	+1.69	23440	57945	32336	23440	84147	372610	257318	399572	257301
*	HFA02946	-1.19	-1.39	+1.02	-1.23	-1.41	-1.62	-1.17	+1.09	332826	280266	239923	338006	271652	21323	20319	35912	39534
*	HFA02300	+2.08	+2.99	+2.49	+1.06	+1.08	+1.04	+1.89	+1.07	39024	81330	116537	97156	41467	235560	204988	284329	361236
*	HFA04582	+1.67	+1.01	+1.10	+1.00	-1.21	+1.39	+1.96	+3.25	33906	56632	34182	37333	33906	42086	40492	73844	41649
*	HFA06793	-1.07	-1.26	+1.07	+1.03	-1.26	-1.26	+1.62	+1.42	116914	108831	93154	124774	120909	28085	47203	66419	110032
	HFA06727	+1.04	+1.04	+1.00	+1.26	-1.22	-1.06	+1.15	+1.19	35312	36776	36548	35312	44620	92823	93005	189430	165929
*	HFA07416	+2.00	+1.53	+1.07	+1.76	+1.00	-1.12	+1.32	+1.46	26440	52995	40448	28300	46602	28883	33189	40453	42188
	HFA08376	+1.18	+1.00	+1.00	+1.28	+1.00	-1.10	+1.81	+1.19	14482	17146	14482	14482	18605	26440	23656	34892	38576
*	HFA09814	+1.01	-1.40	+1.23	-1.29	-1.34	-1.81	-1.20	+1.11	148520	150254	106296	182760	114818	14482	13205	26246	17216
*	HFA11144	-1.59	-1.14	-1.92	-2.44	-2.05	-4.21	-2.85	-3.23	128544	80802	112405	67099	52682	111138	82038	123406	165063
	HFA10935	-1.08	-1.01	+1.34	+1.16	+1.00	-1.37	+1.85	-1.20	19350	17943	19195	25974	22373	62644	30513	45069	39778
*	HFA10762	+2.40	+1.38	+6.17	+9.71	+2.19	-1.91	+1.95	+1.35	43040	103122	59304	265719	417904	19350	14117	35820	16060
	HFA12280	+1.24	+1.94	+1.01	+1.00	+1.00	-1.09	+1.69	+1.00	23200	28679	44893	23504	23200	94244	22556	83721	58251
*	HFA14349	+1.85	+1.01	+1.22	+1.00	+2.94	+2.20	+2.26	+1.50	39394	73053	39616	48192	39394	23200	21299	39276	23246
	HFA16652	+1.02	+1.00	+1.03	+1.18	+1.00	-1.05	+1.19	+1.10	74888	76382	74888	77179	88600	115628	86684	89082	58982
*	HFA14774	-1.06	+1.16	+1.00	+1.00	+1.00	+1.89	+2.32	+3.02	18232	17202	21086	18232	18232	74888	71208	89095	82203
	HFA14206	-1.03	+1.00	+1.02	+1.00	+1.00	+1.13	+1.46	+1.27	15332	14837	15332	15639	15332	18232	34488	42365	55058
	HFA16724	+1.23	+1.08	-1.15	-1.24	-1.26	-1.92	-1.42	-1.33	67626	83411	73012	58619	54741	15332	17401	22309	19546
*	HFA18815	+1.50	+1.29	+1.38	+2.61	+1.00	-1.20	+1.38	+2.51	30290	45320	38941	41797	78912	53489	35310	47583	50868
*	HFA17888	+1.93	+1.12	+2.19	+1.36	+1.00	+1.66	+2.89	+2.03	28870	55795	32468	63199	39394	30290	25321	41846	76179
*	HFA18238	+1.54	+1.20	+1.09	+1.33	-1.12	-1.35	+1.29	+1.79	63700	98062	76514	69591	84975	28870	48002	83333	58516
*	HFA19974	-1.11	-1.04	+2.45	+1.73	+1.27	-1.16	+1.63	+3.15	189928	170578	182838	466105	328365	56749	47064	82410	114299
*	HFA19336	+1.18	-1.10	-1.10	-1.71	-1.69	-2.57	-1.71	-1.88	84160	99384	76180	76594	49077	240337	163871	310055	598496
	HFA00100	-1.01	+1.07	+1.00	+1.00	-1.98	-1.04	+1.02	-1.03	15920	15730	17025	15920	15920	49879	32792	49309	44778
	HFA01069	-1.04	+1.00	+1.00	+1.00	-1.19	-1.35	+1.28	+1.00	15920	15258	15920	15920	15920	8054	15360	16283	15412
*	HFA01453	-1.18	-1.02	-1.02	+1.00	-1.51	-1.07	+2.43	+2.71	40220	34229	39455	39339	40220	13402	11780	20397	15920
	HFA01837	-1.10	+1.00	+1.00	+1.00	-1.25	+1.16	+1.24	+1.00	13380	12115	13380	13380	13380	26555	37615	97846	108940
*	HFA04770	+3.90	+1.56	+1.11	+1.11	+1.12	+1.87	+1.39	+1.00	22704	88506	35485	25293	25106	10727	15459	16642	13380
*	HFA05313	+1.21	+1.00	+1.00	+1.25	-1.59	-1.20	+2.38	+1.20	31520	37995	31520	31520	39374	25398	42492	31457	22704
*	HFA05697	+1.44	+1.15	+1.07	+1.16	+1.36	+1.19	+2.35	+1.43	27944	40357	32270	30034	32366	19852	26237	74990	37816
*	HFA07929	+5.32	+6.62	+6.53	+1.32	+2.20	+1.17	+1.67	+1.24	109000	579529	722104	711601	143507	38018	33181	65802	39821
*	HFA08906	+1.66	+2.00	+1.42	+1.12	-1.29	+1.51	+3.69	+1.22	22000	36530	44046	31337	24595	240146	127145	182420	134878
*	HFA09290	+1.25	+1.04	+1.01	+1.44	-1.34	-1.14	+1.79	+1.40	31880	39947	33231	32054	45813	17098	33294	81077	26941
	HFA11429	+1.00	+1.12	+1.00	+1.00	-1.10	-1.01	+1.93	+1.00	15280	15280	17118	15280	15280	23768	27861	57024	44696
*	HFA12401	+1.14	+1.18	+1.15	+1.38	+1.13	+1.25	+2.41	+1.66	45834	52051	54172	52740	63027	13864	15141	29500	15280
*	HFA12934	-1.04	+1.05	+1.00	+1.00	-1.92	-1.07	+3.50	+1.08	21800	20980	22920	21800	21800	51581	57267	110340	76277
*	HFA13318	+1.99	+1.44	+1.47	+1.74	+1.26	+1.37	+2.12	+2.43	25720	51310	37102	37797	44720	11358	20374	76323	23651
	HFA13702	+1.65	+1.00	+1.00	+1.00	-1.97	+1.01	+1.79	+1.00	16322	26850	16322	16322	16322	32327	35360	54586	62454
*	HFA14086	-1.13	-1.55	+1.15	-1.25	-1.38	-1.56	-1.01	+1.32	120386	106221	77833	138589	96338	8284	16473	29136	16322
	HFA17494	-1.05	+1.00	+1.00	+1.00	-1.43	+1.16	+1.25	+1.76	14000	13339	14000	14000	14000	86938	77100	119054	159019
	HFA19083	+1.35	+1.00	+1.00	-1.13	+1.00	+1.00	-1.29	-1.22	32480	43864	32480	32480	28767	9783	16204	17503	24600
*	HFA20702	-1.04	+1.00	+1.01	+1.00	+1.00	+1.17	+3.61	+1.59	16840	16251	16840	17024	16840	32480	32480	25106	26683
*	HFA21164	+1.00	+1.14	+1.32	-2.06	+1.02	-2.92	-1.62	-1.89	277592	277912	316997	365251	135054	16840	19774	60743	26767
	HFA19849	-1.03	-1.17	-1.06	-1.67	-2.08	-1.92	-1.59	-1.23	45048	43532	38665	42643	26971	282698	95071	171632	146975
*	HFA04529	+1.22	+1.10	+1.79	-1.23	+1.32	-1.89	-1.45	-6.60	172992	210209	190261	310043	140632	21626	23431	28296	36674
	HFA12435	+1.23	-1.03	-1.01	-1.01	-2.76	-1.04	+2.05	+1.05	38062	46990	37073	37650	37866	227993	91418	119417	26191
*	HFA00559	-1.44	-1.09	-1.14	-1.96	-1.90	-3.14	-1.61	-1.72	292008	202308	267345	256514	149238	13772	36663	77983	40070
*	HFA02941	+1.30	-1.10	+1.07	-1.13	-1.13	-1.64	+1.03	-1.20	42112	54664	38133	45137	37378	153523	93021	181303	169435
*	HFA04090	+2.12	+1.19	+1.00	-1.04	-1.04	-2.54	-1.75	-1.49	32160	68239	38190	32160	30858	37191	25663	43283	35038
	HFA06688	-1.30	-1.15	-1.27	-1.41	-1.94	-2.54	-1.50	-1.78	46474	35701	40434	36554	32977	30977	12665	18345	21627
*	HFA06017	-1.04	-1.42	-1.24	+1.14	+1.02	+1.86	+3.26	+6.23	43440	41701	30668	35117	49534	23895	18308	31064	26065
*	HFA11207	+11.85	+28.67	+16.23	+3.27	+4.08	+5.58	+4.12	+1.77	58442	692520	1675651	948644	191143	44486	81007	141782	270416
*	HFA10908	+1.07	-1.16	-1.03	-1.61	-1.94	-1.18	+1.13	-1.59	98880	105625	85004	95647	61582	238490	325854	240629	103661
*	HFA16547	+1.08	+1.00	+1.00	-1.87	-1.63	-2.15	-1.81	-2.30	986584	1063363	990802	987654	527971	50952	83461	111525	62368
	HFA16230	+1.31	+1.19	-1.01	+1.49	+1.35	+1.00	+1.19	+1.71	27840	36363	33065	27562	41545	606415	458720	545754	428651
*	HFA15398	-1.75	-1.57	-1.34	-2.86	-2.41	-3.09	-1.99	-2.90	221654	126987	141481	164872	77623	37617	27965	33265	47681
*	HFA17802	-1.11	-1.34	-2.00	-1.90	-1.92	-4.41	-1.46	-2.03	231942	209543	173217	116201	121940	92044	71828	111450	76407
	HFA20570	+1.51	+1.24	+1.30	+1.08	-1.03	+1.86	+1.51	+1.14	19902	29953	24736	25835	21456	121039	52647	158569	114246
	HFA00470	-1.16	-1.11	-1.24	+1.00	-2.07	-4.37	-1.89	-1.05	36760	31752	33047	29659	36760	19320	36949	30140	22685
	HFA02204	-1.08	+1.08	+1.00	+1.00	-1.21	+1.20	-1.07	+1.00	15200	14012	16431	15200	15200	17748	8418	19458	35100
	HFA01876	+1.50	+1.76	+1.13	+1.18	+1.21	+1.61	+1.46	+1.84	21900	32917	38621	24679	25823	12579	18194	14197	15200
*	HFA02311	+1.82	+1.22	+1.21	+1.69	+1.32	+1.11	+1.77	+1.45	35666	64977	43644	43317	60270	26495	35346	31983	40323
	HFA04631	+1.05	+1.27	+1.00	+1.34	+1.00	-1.14	+1.42	+1.17	27934	29271	35540	27934	37312	47038	39596	63281	51796
*	HFA07247	-1.78	-1.86	-3.34	-2.75	-2.55	-3.16	-2.72	-5.61	2489108	1399967	1338502	744400	905686	27934	24471	39702	32568
	HFA06297	-1.09	+1.16	-1.06	-1.18	-1.18	-1.35	-1.24	-1.45	26280	24021	30435	24802	22208	974308	788678	914020	443662
*	HFA05919	+1.26	+1.35	+1.08	+3.46	+1.09	+1.34	+1.68	+3.18	19120	24147	25800	20689	66152	22329	19511	21178	18107
	HFA08623	+1.00	+1.00	+1.00	+1.06	+1.00	+1.67	+1.25	+1.07	14994	15015	14994	14994	15850	20873	25560	32126	60729
	HFA09968	+1.07	+1.19	+1.00	+1.00	+1.37	-1.33	+1.33	+1.00	27862	29913	33114	27862	27862	14994	24990	18769	16023
*	HFA10629	-3.46	-3.02	-3.51	-3.54	-2.62	-5.32	-4.41	-3.34	167422	48426	55431	47721	47296	38202	20915	36987	27862
*	HFA11158	-1.28	-1.08	+1.00	+1.00	+3.10	-1.40	+1.24	+1.00	19498	15216	18130	19498	19498	63907	31472	37956	50180
*	HFA11901	+1.19	-1.62	-1.94	-1.81	-3.11	-5.86	-1.52	-5.07	726748	863798	447230	374665	402103	60474	13883	24205	19498
	HFA12561	-1.01	+1.10	+1.25	-1.02	+1.00	-1.12	+1.28	+1.57	28220	27869	31112	35327	27566	233763	124052	476688	143460
	HFA14554	+1.00	-1.02	+1.00	-1.12	-1.57	+1.02	+1.02	+1.28	14960	14960	14628	14960	13330	28220	25277	36070	44324
	HFA16402	+1.04	+1.00	+1.00	+1.17	+1.00	-1.21	+1.74	+1.62	21464	22333	21464	21464	25038	9536	15268	15221	19103
	HFA16980	+1.04	+1.02	-1.24	-1.05	-1.12	-1.44	-1.09	-1.08	24440	25310	24860	19665	23257	21464	17778	37394	34708
	HFA14520	+1.30	+1.00	+1.06	+1.00	+1.00	+1.87	+1.01	+1.24	15704	20361	15704	16576	15704	21737	17029	22474	22657
	HFA14516	+1.25	+1.23	+1.00	+1.02	+1.00	-1.09	+1.49	+1.44	19120	23841	23585	19120	19409	15704	29398	15933	19443
*	HFA18707	-1.13	-1.21	-1.26	-1.70	-1.32	-3.50	-1.89	-1.78	476188	420077	394029	379230	279320	19120	17536	28485	27562
*	HFA18347	+1.08	+1.09	+1.47	-1.28	-3.35	-1.56	-1.76	-1.84	281060	303333	306913	413846	219385	361781	136023	257129	268038
	HFA18208	+1.36	-1.08	-1.00	-1.13	-1.20	-1.79	-1.04	-1.49	32808	44738	30275	32661	29143	83802	179857	159590	152783
*	HFA20171	+1.42	-1.26	-1.40	-1.35	-1.94	-2.55	-1.50	-2.48	144918	205247	115372	103430	107398	27393	18334	31640	22085
	HFA20531	+1.01	+1.18	+1.00	+1.00	+1.00	+1.14	+1.20	+1.17	15280	15403	17988	15280	15280	74741	56850	96804	58463
	HFA00124	+1.00	+1.00	+1.00	+1.00	-1.58	-1.04	+1.21	+1.00	15920	15920	15920	15920	15920	15280	17417	18296	17878
	HFA01093	+1.84	+1.01	+1.00	+1.00	-1.01	-1.01	+1.72	-1.02	15320	28149	15457	15320	15320	10062	15275	19232	15920
	HFA01477	+1.33	-1.01	+1.00	-1.01	+1.00	-1.17	+2.52	+1.00	16428	21884	16313	16428	16273	15119	15205	26342	15004
	HFA03653	+1.29	-1.14	+1.00	+1.00	-1.05	+1.09	+1.63	+1.00	19716	25424	17227	19716	19716	16428	14010	41350	16428
	HFA04794	+1.92	+1.00	+1.00	-1.02	-1.02	+1.13	+1.47	+1.06	15572	29862	15572	15572	15219	18799	21432	32152	19716
	HFA05337	+1.00	+1.00	+1.00	+1.00	-1.03	+1.16	+1.94	+1.00	14612	14612	14612	14612	14612	15339	17630	22855	16481
*	HFA05721	-1.02	-1.16	-1.23	-1.33	+1.07	-3.21	-1.48	-1.55	248666	243163	214246	202959	186279	14224	17016	28371	14612
*	HFA07953	-1.21	+1.10	+1.96	-1.32	+1.83	-1.56	+1.31	+1.30	143174	118220	157726	280248	108667	265313	77494	167718	160757
	HFA08930	+1.52	+1.08	+1.00	+1.00	-1.01	+1.10	+2.95	+1.00	15576	23737	16778	15576	15576	261915	92038	187989	185665
	HFA09314	+1.73	+1.00	+1.00	+1.00	+1.00	+1.25	+1.92	+1.00	14440	24913	14440	14440	14440	15415	17162	45948	15576
*	HFA11453	-1.15	-1.01	-1.14	-1.45	-1.18	-2.13	+1.05	+1.00	49720	43332	49460	43759	34192	14440	18061	27750	14440
*	HFA12425	-1.08	-1.43	+1.04	-1.09	-1.06	+1.12	+2.65	-1.01	28670	26596	20025	29899	26410	42170	23397	52153	49720
*	HFA12958	+1.16	+1.01	+1.00	+1.10	-1.05	-1.12	+2.88	+1.00	18920	21874	19035	18920	20865	27160	32198	75989	28520
*	HFA13342	+1.05	+1.69	+1.06	+1.11	+1.06	+1.70	+3.55	+1.90	19654	20656	33304	20806	21830	18065	16872	54524	18920
*	HFA13726	+1.22	-1.35	-1.17	+1.14	+1.10	-1.68	+1.05	-1.02	136440	166962	101117	117032	155004	20903	33346	69808	37266
*	HFA17121	+2.46	+1.56	+1.79	+1.34	+2.17	+2.42	+1.29	+2.02	369304	908269	575304	662173	494055	149750	81125	143584	133665
	HFA17520	+1.01	+1.00	+1.00	-1.24	+1.00	-1.35	-1.16	-1.61	19482	19599	19482	19482	15747	801856	894808	475533	747289
*	HFA19107	+1.33	-1.03	+1.12	+1.32	+1.19	+1.27	+1.68	-1.03	37360	49630	36327	41799	49421	19482	14409	16845	12097
*	HFA20732	-2.00	-1.09	-1.19	-2.00	-1.13	-2.75	-1.41	-3.25	51476	25691	47075	43162	25756	44588	47285	62884	36308
	HFA21190	+1.14	+1.22	+1.00	+1.00	+1.00	+1.01	+1.22	+1.07	15200	17401	18604	15200	15200	45607	18727	36547	15836
*	HFA20515	+1.44	+1.23	-1.36	+1.31	+1.05	-1.79	-1.23	-1.97	492240	707595	605245	361989	643401	15200	15417	18601	16322
*	HFA11640	-1.20	-1.13	-1.12	+1.07	-1.48	-2.52	-1.39	-3.66	125860	104663	111304	112464	135231	516439	274626	400832	249330
	HFA13372	-1.05	+1.02	+1.00	+1.15	+1.00	+1.08	+1.38	+1.00	17120	16337	17394	17120	19635	85073	50042	93037	34424
*	HFA00709	-2.23	-3.53	-1.45	-2.86	-1.96	-3.97	-2.20	-2.41	162182	72658	45920	112069	56792	17120	18487	23570	17120
*	HFA02993	+1.20	-1.27	-1.53	-1.19	-1.85	-3.39	-1.46	+1.35	204590	246274	160975	133727	171716	82932	40837	73724	67413
*	HFA04685	+1.08	+1.03	-1.17	-1.32	-1.23	-1.53	-1.16	+1.05	128016	138260	132137	109152	96888	110809	60382	140033	276331
*	HFA06831	+1.69	+1.33	+1.38	-1.18	-1.57	+1.19	+2.17	+4.41	56974	96419	75630	78679	48095	103797	83554	110528	133811
*	HFA07443	-1.52	-1.84	-2.45	-2.75	-2.11	-3.11	-2.56	-5.10	679540	447113	368608	277718	247073	36180	67878	123613	251491
	HFA11009	-1.26	+1.00	+1.00	+1.00	-1.53	+2.22	-1.64	+1.00	16680	13219	16680	16680	16680	321793	218761	265077	133260
*	HFA10519	+1.58	-1.21	+1.09	+1.56	-1.14	-2.10	+1.06	+2.18	111548	176054	92116	121479	174259	10874	37038	10161	16680
*	HFA16479	+1.86	+1.40	+2.06	+2.47	+2.15	+1.49	+1.99	+1.99	51984	96948	72727	106982	128185	97430	53025	118261	243686
*	HFA15560	+1.28	+1.00	+1.00	+2.52	+1.74	+1.47	+2.28	+14.65	22920	29401	22920	22920	57793	111819	77239	103213	103490
*	HFA15051	+2.01	+2.92	+1.88	+1.50	+1.23	+1.03	+2.77	+3.07	32640	65552	95289	61245	48806	39832	33695	52236	335756
*	HFA17796	+1.53	+1.18	+1.00	+1.01	-1.28	-1.38	-1.30	+1.06	33720	51529	39856	33720	34079	40273	33718	90506	100214
*	HFA20632	+1.13	-1.10	+1.05	-1.22	-1.36	-1.77	+1.11	-1.01	54760	61990	49850	57660	44906	26265	24484	25859	35608
*	HFA00460	-1.09	+1.25	+1.00	-1.10	+1.00	+1.14	+1.46	+2.84	27712	25541	34750	27712	25175	40330	30990	60774	54060
*	HFA02720	+1.02	-1.02	+1.00	-1.02	-1.09	-1.86	-1.27	+2.26	23200	23586	22749	23200	22829	27712	31598	40489	78791
*	HFA01903	+2.06	+1.55	+1.00	+1.46	-1.18	-1.40	+1.27	+1.27	27664	57086	42987	27664	40298	21242	12498	18233	52445
*	HFA03195	+1.12	+1.00	+1.00	+1.00	-1.03	+1.43	+1.50	+2.40	24840	27926	24935	24840	24840	23488	19783	35042	35022
	HFA04098	+1.60	+1.03	+1.00	+1.00	-1.44	+1.21	+1.53	+1.18	21894	34977	22602	21894	21922	24006	35528	37380	59560
	HFA06825	+1.55	-1.03	+1.00	+1.06	-1.11	+1.29	+1.84	+2.10	23280	36156	22694	23280	24665	15233	26514	33513	25933
*	HFA07202	+2.45	+1.23	+1.13	+3.50	+1.96	+2.16	+1.71	+1.55	22576	55270	27835	25548	78948	21031	30120	42761	48837
*	HFA06995	-1.05	+1.05	+1.04	-1.24	-1.88	-2.32	-1.58	-1.46	132860	126749	139491	138518	107409	44302	48861	38594	35046
	HFA08283	+1.09	+1.00	+1.00	+1.00	+1.00	-1.16	+1.39	+1.00	15900	17252	15900	15900	15900	70490	57376	83981	91201
	HFA09973	+1.59	+1.14	+1.00	+1.05	+1.00	+1.13	+1.02	+1.23	17480	27849	19909	17480	18441	15900	13763	22076	15900
*	HFA10894	-1.01	-1.83	-1.86	-2.01	-2.23	-3.84	-2.00	-3.16	448656	445997	244541	240873	223592	17480	19803	17825	21499
	HFA10239	-1.15	+1.09	-1.31	+1.00	+1.00	+1.31	+1.48	+1.36	26000	22602	28255	19829	26000	200926	116824	224822	141937
	HFA11701	+1.58	+1.28	+1.77	+1.02	-1.13	+1.37	+1.89	+1.49	22936	36254	29423	40505	23429	26000	34071	38485	35404
*	HFA12629	+1.06	+1.27	-1.13	+1.16	+1.77	-1.31	-1.23	-2.08	175520	186299	222902	156009	202917	20369	31464	43460	34183
	HFA16051	+1.42	+1.18	+1.00	-1.13	-1.65	-1.20	-1.11	-1.09	22880	32415	26944	22880	20306	309855	133907	142394	84250
*	HFA16231	+1.51	+1.00	+1.00	+1.00	+1.00	-1.00	+1.81	+1.11	28700	43428	28700	28700	28700	13828	19079	20538	21061
*	HFA15031	+1.99	+1.37	+1.00	+1.30	+1.00	+2.76	+2.99	+4.46	27640	55068	37872	27640	35816	28700	28655	51876	31934
	HFA15823	-1.04	-1.01	+1.00	+1.00	+1.00	-1.16	-3.47	-1.11	24240	23335	23998	24240	24240	27640	76389	82664	123168
	HFA16775	-1.17	-1.02	+1.00	+1.00	+1.00	-1.01	+1.69	+1.00	23760	20306	23303	23760	23760	24361	20983	6976	21841
	HFA18174	-1.00	-1.05	+1.21	-1.03	+1.00	+1.00	+1.07	-1.04	37066	37066	35141	44669	36035	23760	23581	40269	23760
	HFA18154	+1.72	+1.00	+1.05	+1.17	-1.99	+1.17	+1.96	+1.00	20200	34763	20200	21195	23610	37066	37066	39520	35550
*	HFA19397	+1.20	-1.09	-1.01	-1.13	-1.14	-1.67	-1.16	-1.15	70626	84405	65058	69722	62677	10149	23552	39595	20200
*	HFA20108	+1.64	+1.04	+1.00	+1.02	-1.07	+1.26	+1.81	+2.62	30780	50409	31983	30922	31493	61789	42320	60716	61257
	HFA20565	+1.02	+1.00	-1.14	+1.02	+1.00	-1.33	+1.05	-1.34	24654	25124	24654	21561	25123	28776	38747	55790	80711
	HFA00148	+1.33	+1.64	+1.00	+1.00	-1.54	-1.16	+1.20	+1.15	19810	26418	32527	19810	19810	24654	18569	25979	18379
	HFA01117	+1.07	+1.00	+1.00	+1.00	-1.41	-1.62	+1.30	-1.01	15772	16918	15772	15772	15772	12827	17009	23683	22795
*	HFA01501	+1.94	+1.05	+1.97	+1.69	+1.74	+1.23	+2.09	+2.13	85544	166070	89492	168154	144933	11217	9764	20503	15583
	HFA03677	-1.00	+1.00	+1.00	+1.05	-1.08	-1.14	+1.56	+1.00	17748	17748	17748	17748	18590	148635	105606	178639	182264
	HFA04818	+1.39	+1.03	+1.00	+1.17	-1.17	+1.00	+1.05	+1.00	15200	21121	15630	15200	17783	16488	15608	27707	17748
*	HFA05361	+1.43	+1.11	+1.36	-1.08	-1.07	+1.20	+2.45	+1.12	28120	40346	31222	38317	25920	13047	15200	15918	15200
	HFA05745	+1.12	+1.00	+1.00	+1.07	+1.00	-1.09	+2.24	+1.05	17528	19620	17528	17528	18832	26246	33629	68947	31372
*	HFA07977	+1.40	+1.00	+1.00	+1.00	-1.13	-1.04	+3.50	+1.16	17600	24716	17600	17600	17600	17528	16031	39282	18433
*	HFA08954	+2.51	+3.26	+1.45	+1.09	+1.38	+1.69	+3.11	+2.38	23760	59735	77505	34359	25786	15510	16843	61638	20421
	HFA09338	-1.21	+1.05	+1.00	+1.00	-1.09	+1.58	+1.21	+1.93	16994	14101	17903	16994	16994	32904	40187	73836	56573
	HFA11477	-1.00	+1.00	+1.00	+1.00	-1.59	-1.05	+1.20	+1.00	15796	15796	15796	15796	15796	15596	26784	20608	32860
*	HFA12449	+2.61	+1.42	+1.00	+1.61	+1.22	+1.12	+1.70	+1.19	25552	66702	36161	25552	41141	9935	15102	19029	15796
*	HFA12982	+1.23	+1.04	+1.08	-1.02	+1.24	-1.53	+1.23	+1.30	83836	102928	86937	90646	82248	31237	28715	43477	30438
*	HFA13366	+1.44	+1.02	+1.07	+1.15	+1.00	-1.16	+1.77	+1.13	30950	44697	31506	33145	35520	104133	54715	103240	109137
	HFA13750	+1.05	+1.00	+1.00	+1.00	+1.00	-1.15	+1.86	+1.00	15280	16002	15280	15280	15280	31105	26791	54855	34898
	HFA17559	+1.44	+1.00	+1.32	-1.02	+1.00	+1.00	+1.01	+1.00	15384	22126	15384	20253	15044	15280	13321	28393	15280
	HFA17546	+1.36	+1.01	+1.16	+1.17	+1.43	+1.00	+1.50	+1.10	32520	44178	32955	37590	38127	15384	15384	15608	15384
*	HFA19131	+2.04	+2.50	+1.95	-1.36	+1.02	+1.11	+1.28	-1.84	2377828	4861128	5940195	4635748	1751724	46439	32562	48661	35724
*	HFA20759	+1.53	-1.09	+1.09	-1.16	-1.02	-1.08	+1.37	-1.09	44794	68503	41149	48714	38466	2430923	2634682	3053153	1289586
	HFA21213	-1.01	+1.00	+1.00	+1.00	-1.33	-1.19	-1.11	+1.00	15254	15136	15254	15254	15254	43908	41438	61301	41087
*	HFA00383	+2.50	+1.00	-1.03	+5.85	+1.51	-1.34	+1.36	-1.02	47066	117831	47066	45715	275115	11454	12799	13757	15254
*	HFA15862	-1.13	-1.42	-2.73	-4.92	-11.18	-10.77	-4.76	-5.90	396894	350012	279244	145532	80637	70905	35042	63815	46200
	HFA17255	+1.00	+1.00	+1.00	+1.00	-1.58	-1.18	+1.01	+1.03	21342	21342	21342	21342	21342	35485	36854	83521	67237
*	HFA00603	-2.17	-1.40	-1.35	-1.68	-2.32	-3.06	-2.00	-2.46	129332	59559	92601	95489	77160	13524	18062	21577	21889
*	HFA02811	+1.73	+1.14	-1.12	+1.00	-1.22	-1.73	-1.28	-1.95	74912	129621	85457	66946	74912	55703	42264	64587	52652
*	HFA04677	+1.14	+1.18	+1.32	+1.22	+1.38	+1.30	+1.22	+1.20	37542	42901	44363	49544	45869	61539	43245	58306	38350
*	HFA07646	+1.01	-2.57	-5.15	-6.33	-9.61	-18.39	-9.08	-11.27	298036	302194	115857	57905	47081	51639	48892	45840	45134
*	HFA06923	+1.11	-1.11	-1.32	-1.43	-1.31	-1.87	-1.63	-1.48	116902	130032	105775	88580	81828	31026	16207	32811	26447
*	HFA10963	-1.09	+1.07	+1.06	-1.14	-1.10	-1.47	-1.16	-1.01	134982	124036	144565	142733	118122	89100	62614	71795	79050
*	HFA11315	+1.25	-1.17	-2.27	-2.24	-2.50	-3.30	-3.20	-2.05	176488	220065	151481	77880	78956	123249	91984	115914	133405
*	HFA16011	-1.89	-1.56	-1.64	-1.56	-2.03	-1.82	-1.25	-2.34	86696	45797	55400	52820	55616	70625	53413	55113	86061
*	HFA16612	+1.58	+1.06	-1.26	-1.77	-1.23	-1.60	-2.05	-2.94	367602	579776	391350	291941	207207	42748	47557	69448	37108
*	HFA15428	-1.29	-1.74	-2.34	-2.90	-3.02	-4.57	-2.57	-6.60	170520	132424	97744	72952	58721	299669	229590	179351	125051
*	HFA18195	+1.18	-1.02	-1.02	+1.17	-1.48	-2.09	+1.09	+1.56	45520	53839	44611	44734	53361	56506	37337	66304	25836
	HFA00323	+1.26	+1.03	+1.00	+1.00	+1.00	+1.16	-1.02	+1.00	16768	21166	17288	16768	16768	30735	21778	49701	70790
*	HFA02366	-1.22	-1.24	-1.58	-2.06	-1.88	-3.26	-2.23	-1.71	155368	127114	125584	103804	75508	16768	19495	16395	16768
	HFA02733	+1.63	+1.16	+1.00	+1.00	+1.01	+1.03	+1.27	+1.14	15400	25063	17828	15400	15400	82751	47704	69766	90616
	HFA01905	+1.70	+1.16	+1.00	+1.13	+1.25	-1.12	+1.91	+1.95	22960	39134	26649	22960	26014	15523	15926	19571	17514
*	HFA02152	+1.27	-1.33	-1.79	-3.38	-3.55	-5.44	-4.55	-3.06	203880	258484	153714	113866	60238	28651	20501	43837	44817
	HFA04063	+1.21	+1.22	+1.00	-1.04	-1.03	+1.05	-1.29	+1.05	16824	20388	20552	16824	16238	57385	37487	44770	66681
*	HFA07377	+1.66	-1.08	+1.02	+1.02	-1.46	-1.33	-1.27	+1.08	35526	59009	32903	36119	36240	16347	17711	13031	17633
	HFA06275	+1.10	+1.14	+1.21	+1.00	+1.23	+1.64	+1.19	+1.44	21348	23506	24346	25812	21348	24378	26612	27935	38323
*	HFA06018	+1.24	+1.50	+3.18	+1.99	+1.00	+1.26	+1.16	+2.31	40816	50559	61419	129795	81395	26330	35093	25469	30831
*	HFA08525	+1.59	+1.55	+1.09	+1.20	+1.52	+1.45	+1.55	+1.48	34592	54952	53530	37832	41504	41020	51271	47311	94460
*	HFA10191	+2.48	+1.03	+1.03	+3.35	-1.05	+1.38	+1.88	+1.74	16160	40001	16593	16596	54058	52577	50028	53445	51197
*	HFA10872	-1.79	-1.25	+1.06	+1.58	-1.21	-1.50	+1.43	+1.44	62102	34684	49730	65781	97870	15357	22315	30370	28144
	HFA09934	+1.24	+1.00	+1.00	+1.00	+2.02	+1.24	+1.44	+1.09	19158	23684	19158	19158	19158	51476	41403	88728	89402
*	HFA11691	+1.13	+1.00	+1.00	+1.04	+2.22	+3.97	+4.64	+3.22	21474	24210	21474	21474	22269	38704	23785	27502	20790
*	HFA12503	-1.75	-1.73	-3.02	-1.81	+1.00	-1.79	-1.66	-2.42	174262	99385	100794	57726	96198	47772	85167	99572	69165
*	HFA15589	-2.56	-2.25	-3.19	-1.10	-3.24	-5.32	-3.90	-4.40	146532	57251	65127	46556	132727	174262	97148	105097	71938
	HFA16069	-1.02	+1.08	+1.08	+1.00	+1.00	+1.00	+1.01	-1.02	29250	28591	31655	31527	29250	45207	27532	37534	33318
*	HFA14311	+1.33	+1.64	+2.03	+1.04	-1.78	-2.58	-1.10	+1.01	73334	97695	120250	148914	75909	29250	29250	29676	28575
	HFA15267	+1.28	+1.00	+1.03	+1.07	-1.01	-1.37	+1.09	+1.00	26224	33609	26224	27117	27932	41175	28431	66783	73880
	HFA14876	+1.00	+1.00	+1.00	+1.00	-1.31	-1.46	+1.54	+1.00	22180	22180	22180	22180	22180	25986	19188	28487	26224
*	HFA18477	-1.63	-1.48	-1.53	-2.87	-1.04	-2.07	-1.37	-2.32	188268	115178	127219	123235	65620	16972	15242	34100	22180
	HFA18378	+1.20	-1.02	+1.16	-1.03	-1.45	-1.43	-1.24	+1.01	38286	45800	37553	44347	37237	180190	91081	137242	81061
*	HFA20364	-1.44	-3.13	-5.60	-4.92	-3.94	-6.57	-3.86	-6.46	662074	460501	211821	118216	134670	26350	26840	30774	38510
*	HFA19485	+1.28	-1.37	+1.00	+1.13	+1.72	+1.64	+2.11	+2.87	22904	29393	16711	22904	25774	168106	100730	171736	102427
	HFA20520	-1.00	+1.00	+1.00	+1.00	+1.00	-1.06	-1.02	-1.02	23100	23095	23100	23100	23100	39481	37596	48287	65624
	HFA00172	+1.04	+1.04	+1.00	+1.00	-1.09	+1.29	+1.04	+1.00	13800	14364	14312	13800	13800	23100	21691	22691	22639
	HFA01141	+1.00	+1.07	+1.00	+1.00	+1.00	-1.09	+1.01	+1.00	15464	15464	16529	15464	15464	12650	17778	14382	13800
*	HFA01525	+1.07	+1.60	+1.89	+1.17	+2.38	+1.09	+1.82	+2.03	138874	147919	222265	262985	162658	15464	14194	15689	15464
	HFA03752	-1.06	+1.09	+1.00	-1.06	+1.04	-1.00	+2.64	+1.00	15824	14969	17214	15824	14920	330384	151213	252492	281802
	HFA04931	-1.12	+1.00	+1.00	+1.00	+1.00	+1.04	-1.06	+1.00	13080	11666	13080	13080	13144	16472	15792	41788	15824
	HFA05385	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	-1.06	+1.04	14208	14208	14208	14208	14208	13080	13638	12390	13080
*	HFA05769	-1.22	+1.14	+1.01	-1.78	-1.03	-1.26	+1.44	-2.39	2443540	2003724	2789361	2458216	1369579	14208	14208	13422	14802
	HFA08001	+1.05	+1.20	+1.00	+1.05	+1.00	+1.02	+1.63	-1.08	19340	20348	23136	19340	20260	2368733	1937307	3522793	1020391
*	HFA08978	-1.25	-1.09	-1.40	-1.86	-1.19	-2.51	-1.37	-2.59	1518720	1219176	1397986	1087942	817940	19340	19636	31468	17850
	HFA09362	-1.45	+1.06	+1.00	+1.00	+1.00	+2.02	+2.07	+1.19	15860	10916	16879	15860	15860	1273967	604888	1105517	586244
	HFA11501	-1.06	+1.19	+1.00	+1.00	-1.07	+1.14	+1.52	+1.00	15200	14328	18084	15200	15200	15860	32059	32858	18797
	HFA12473	+1.11	+1.00	+1.00	+1.00	+1.00	+1.36	+1.24	+1.06	16388	18110	16388	16388	16388	14156	17395	23094	15200
	HFA13006	-1.15	-1.00	+1.00	+1.00	-1.05	+1.07	+2.34	+1.00	14868	12901	14822	14868	14868	16388	22284	20264	17369
	HFA13390	-1.57	-1.08	+1.01	+1.00	-1.04	-1.28	+1.22	+1.06	29320	18682	27240	29565	29320	14226	15849	34846	14868
*	HFA13774	+1.08	-1.00	-1.12	-1.71	-1.25	-3.45	-1.10	-1.90	141444	153171	141071	126346	82847	28240	22974	35670	31089
	HFA17426	+1.34	+1.29	+1.22	-1.05	+1.47	+1.46	+1.45	+1.26	32680	43928	42085	39732	31193	112737	41037	129047	74321
	HFA17574	-1.12	+1.04	+1.04	-1.52	-1.06	-1.99	-1.18	-1.73	38620	34514	40129	40254	25385	48137	47666	47492	41084
	HFA19155	-1.22	+1.25	+1.03	-1.06	+1.13	-1.06	+1.38	+1.08	23640	19301	29596	24240	22217	36401	19413	32730	22324
*	HFA20783	+2.18	+1.49	+1.81	+1.00	+2.27	+1.49	+2.41	+1.88	32880	71800	48919	59588	32880	26791	22394	32681	25504
*	HFA21250	-1.48	-1.36	-1.93	-1.54	-1.08	-3.33	-1.14	-2.40	2425160	1637782	1778366	1257049	1576704	74491	49051	79375	61837
*	HFA19489	+1.92	+1.89	+1.78	+1.24	+2.30	+2.86	+2.34	+1.23	38264	73515	72415	68074	47274	2243814	727315	2121729	1012048
	HFA18243	-4.20	-1.79	+1.00	-1.26	-1.91	-1.28	-1.37	-1.74	29678	7071	16620	29678	23512	88196	109343	89573	47055
*	HFA20835	+1.09	+1.30	+1.09	+1.31	+1.27	+1.40	+2.23	+1.36	25692	28037	33438	28029	33547	15547	23153	21731	17093
	HFA00590	-1.35	-1.32	+1.00	-1.43	-1.44	-1.81	-1.19	-1.23	67140	49552	50772	67140	47054	32678	36093	57386	34864
	HFA03011	-1.00	-1.45	-1.51	-1.66	+1.00	-2.38	-1.08	-8.09	44994	44994	30952	29806	27178	46576	37021	56262	54366
*	HFA04674	+1.42	+1.01	-1.42	-1.11	-1.82	-3.07	-1.34	-1.52	276672	392764	279422	194167	248603	44994	18932	41766	5564
*	HFA07032	-1.61	-2.27	-1.64	-2.67	-1.78	-4.48	-2.60	-2.44	391054	242830	172081	238308	146272	151735	90261	206361	182449
*	HFA06533	+1.24	+1.26	+2.39	+1.31	-1.90	-1.72	-1.63	+1.23	71906	89157	90256	171919	93882	219468	87328	150662	160303
	HFA10030	+1.09	+1.00	-1.00	-1.17	-2.71	-1.75	-1.73	+1.00	28980	31592	28980	28840	24846	37798	41688	44135	88161
*	HFA11299	+1.38	-1.47	-1.83	-2.08	-3.54	-4.90	-2.87	-3.12	105590	145579	71691	57741	50745	10702	16590	16730	28980
*	HFA14925	+1.80	+1.39	+4.05	+2.09	+2.10	+2.15	+5.05	+3.20	78322	141069	108948	317181	163912	29802	21548	36757	33865
	HFA14134	+1.55	+1.13	+1.00	+1.11	-1.23	+1.02	+1.27	+1.85	14566	22609	16505	14566	16205	164131	168210	395815	250953
*	HFA14467	-1.37	+1.01	-1.05	-1.79	-1.59	-1.72	+1.18	-2.51	3082194	2246591	3111731	2930668	1720124	11804	14900	18538	26897
*	HFA19732	+1.69	-1.17	+1.00	-1.04	-2.00	-2.59	-1.90	-2.08	55360	93328	47315	55360	53213	1937640	1788349	3622146	1229719
*	HFA00639	-1.00	+1.00	-1.16	-1.50	+1.00	-1.30	-1.01	-2.49	811040	811040	811040	701189	539435	27682	21411	29113	26623
*	HFA03050	-1.04	-1.23	-1.02	-2.07	-3.14	-3.05	-1.63	-1.25	71338	68484	58067	69660	34499	811040	625846	806525	325526
	HFA02223	+1.92	+1.07	+1.00	+1.12	-1.33	-1.33	+1.68	+1.78	25080	48164	26883	25080	28181	22745	23369	43806	57097
*	HFA02685	+1.54	-1.07	+1.00	+1.20	+1.82	-1.33	+1.32	+1.21	37078	57094	34561	37243	44499	18862	18895	42029	44537

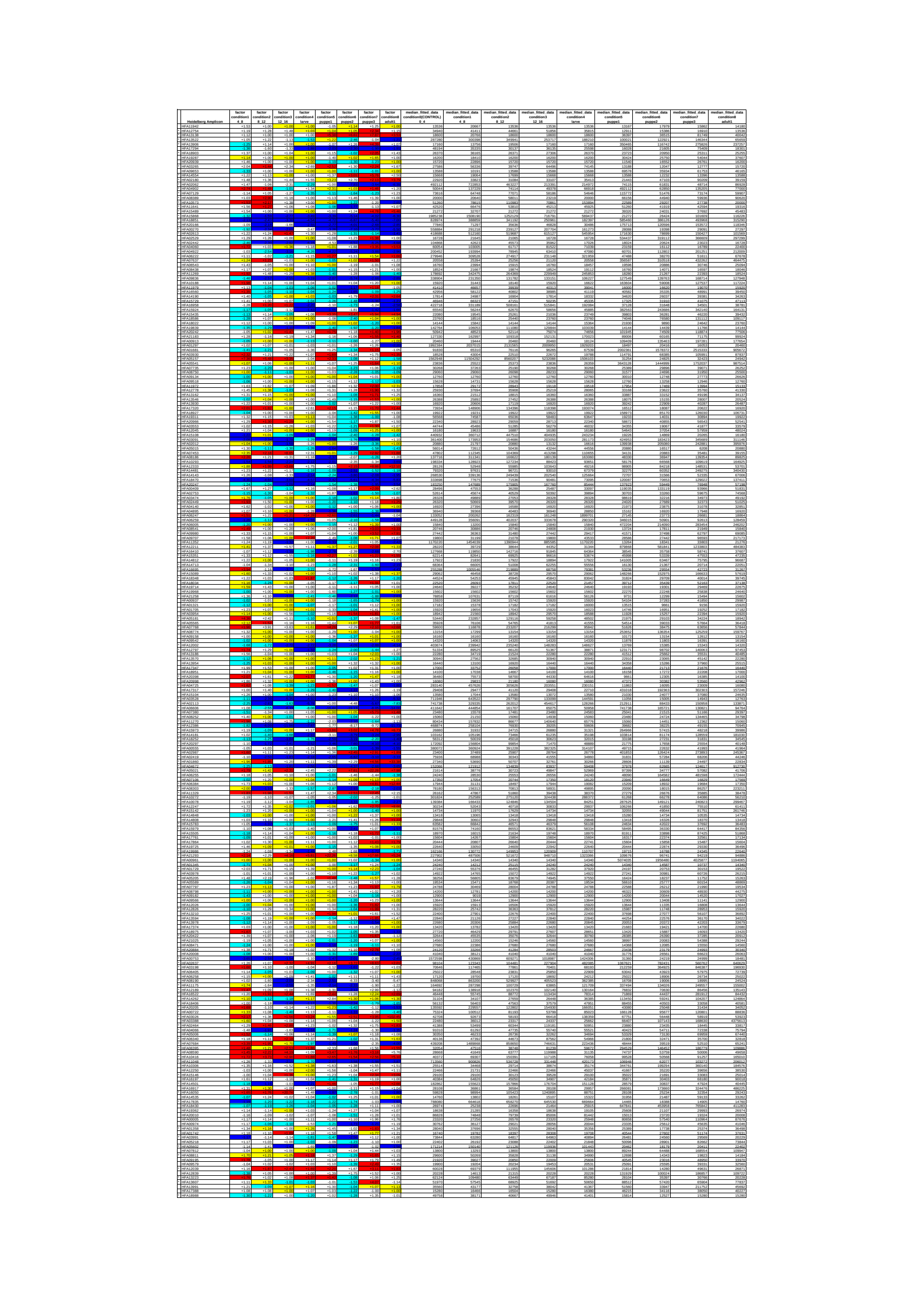


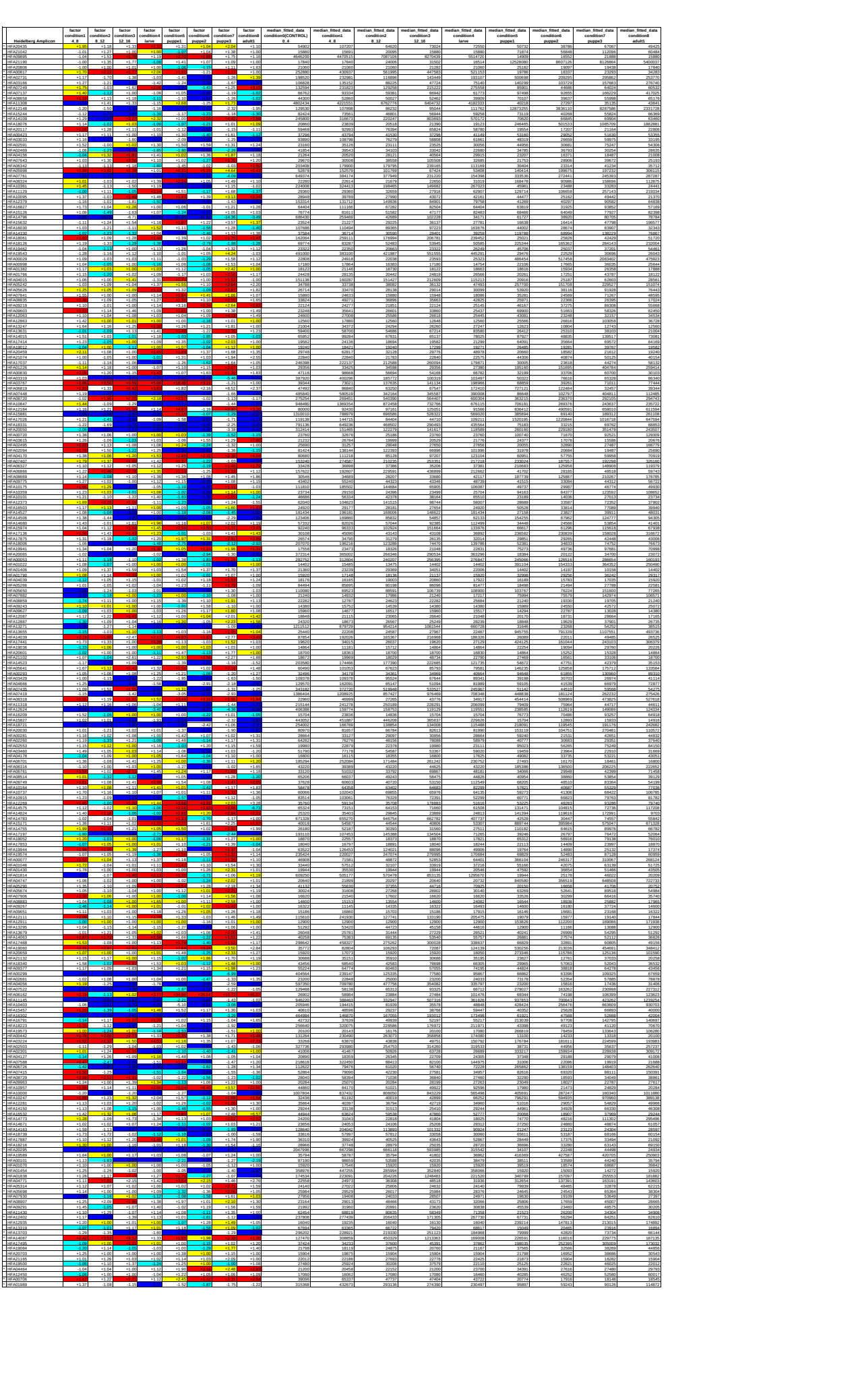




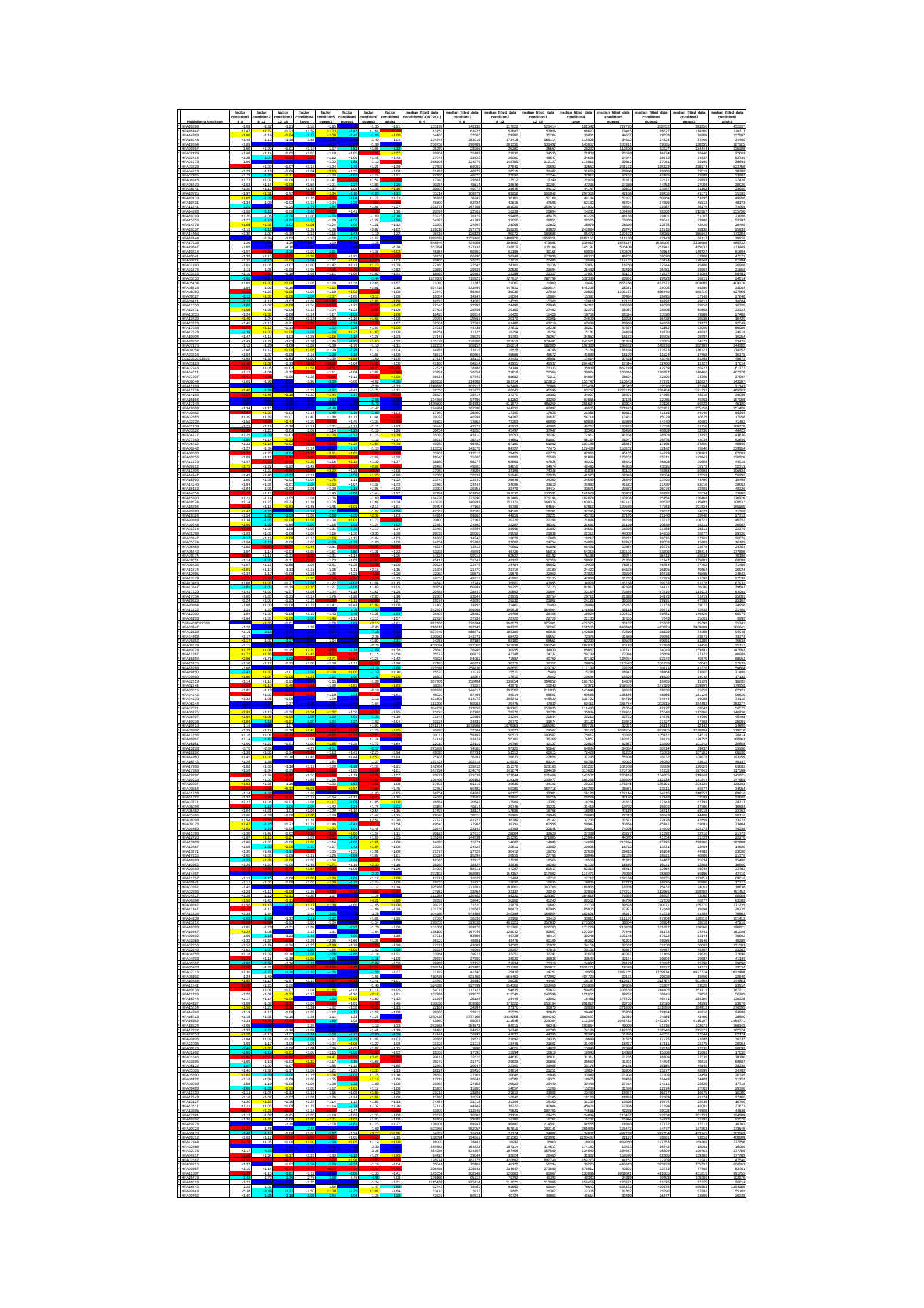


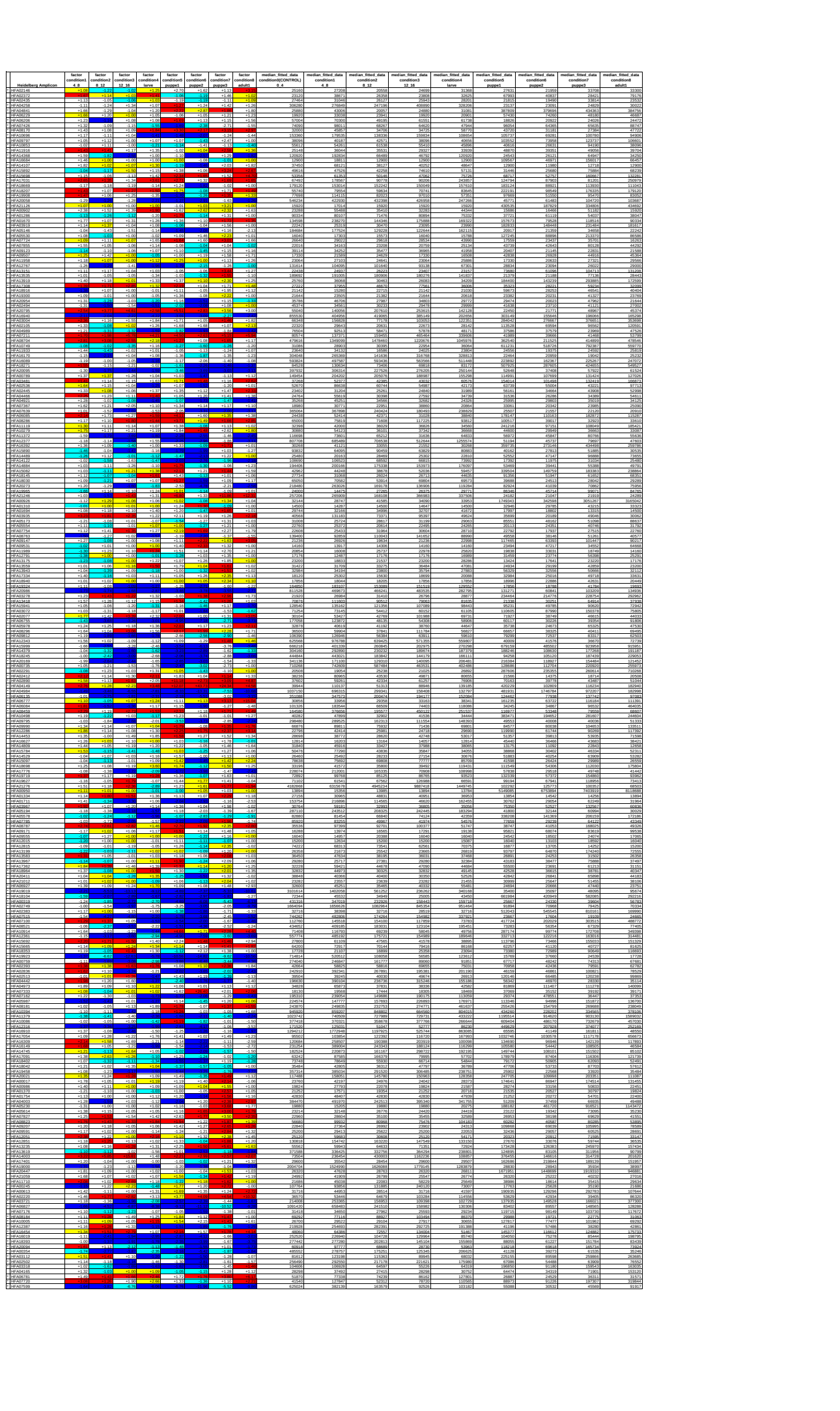




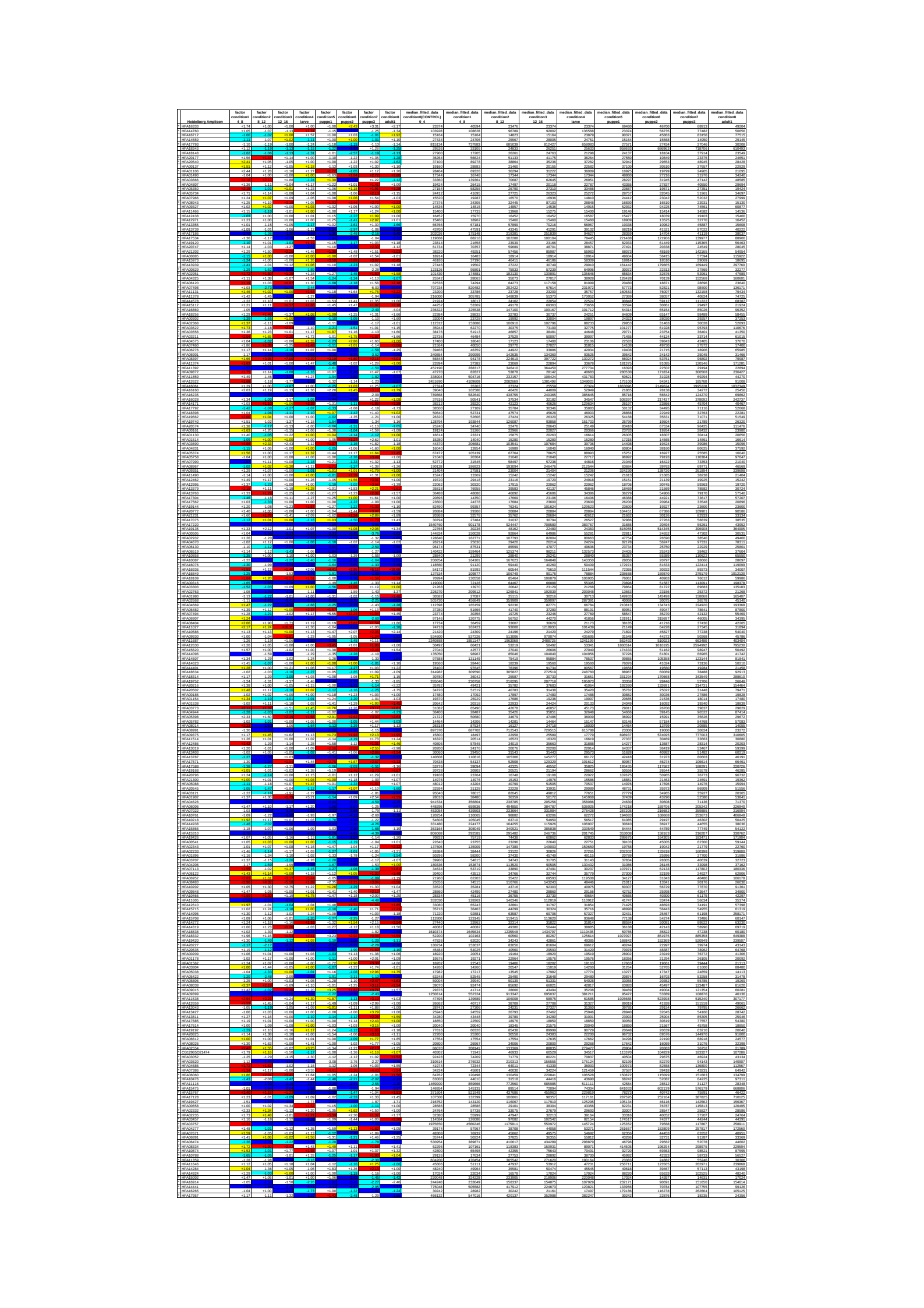


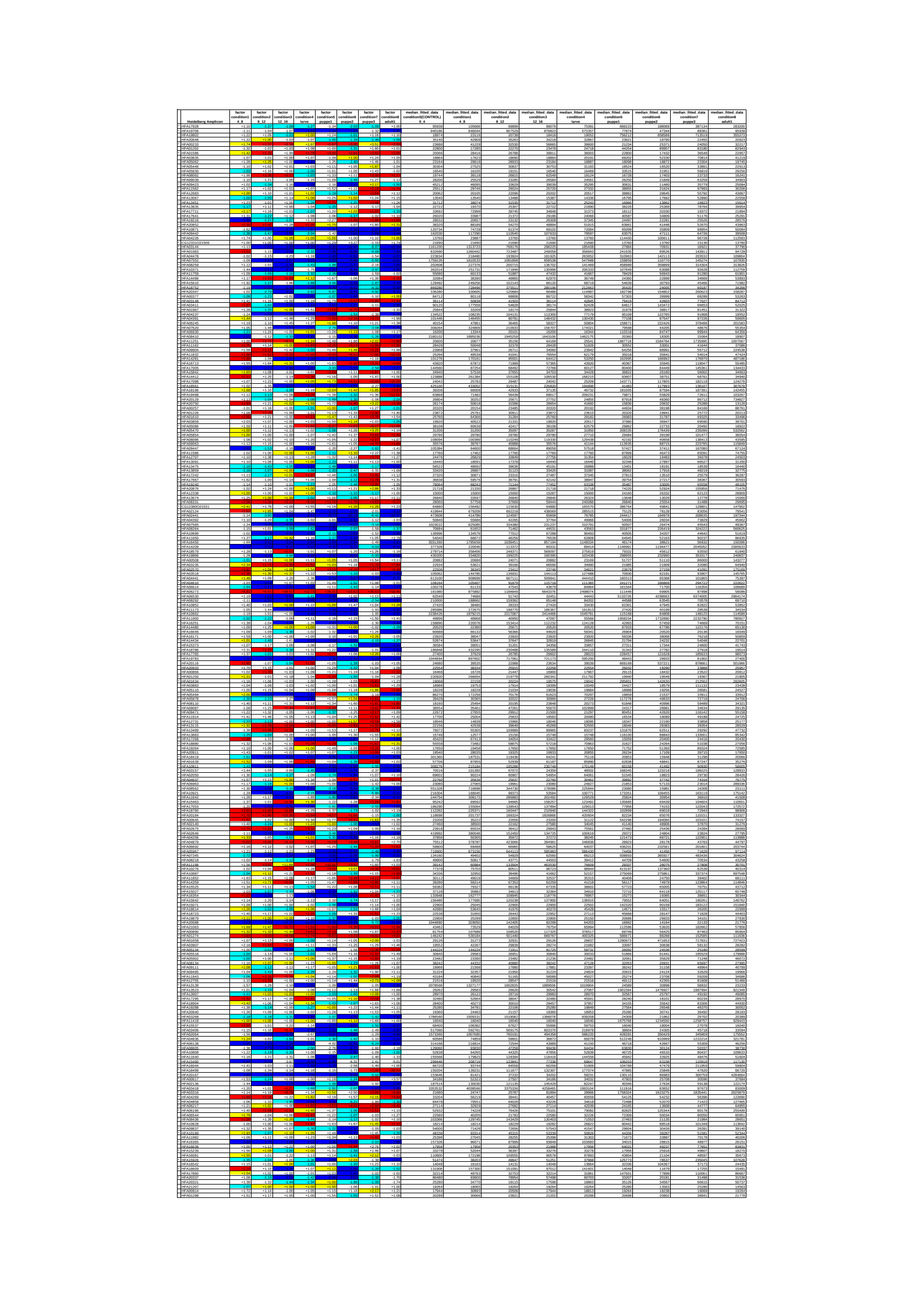
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA04519	+1.12	-1.36	-1.98	-1.30	-1.99	-2.70	-1.85	-2.22	239840	269284	175983	121042	185090	207598	168827	180719	258882
*	HFA07601	-1.47	+1.61	-2.43	-5.50	-3.52	-6.57	-4.32	-6.45	391682	267220	628887	162665	71241	120686	88720	129944	108244
*	HFA06908	-1.06	+1.23	+2.08	+1.95	+1.23	-1.03	+1.74	+6.38	50482	47769	62204	105077	98460	111212	59608	90597	60722
	HFA09715	+1.22	+1.03	+1.09	+1.49	+1.15	+1.42	+1.33	+1.88	20434	25024	21005	22293	30377	62173	49145	87819	322279
*	HFA10909	+1.07	-1.58	-2.66	+1.06	-1.74	-3.33	-1.28	-1.72	105922	113268	67244	39768	112222	23558	28927	27210	38372
*	HFA17023	-5.38	-28.94	-28.86	-20.16	-59.61	-8.39	-21.50	-7.64	2405320	447329	83108	83357	119285	60823	31853	82435	61411
	HFA15137	-1.29	-1.88	+1.00	-1.25	-1.06	-2.31	+1.10	-1.23	31760	24660	16910	31760	25458	40353	286519	111893	314731
*	HFA15399	-1.18	-2.63	-3.88	-1.79	-4.01	-4.77	-4.46	-1.59	266934	226930	101366	68815	149541	29853	13748	34886	25798
*	HFA18454	+1.24	+1.06	+1.74	+1.26	+1.04	-1.11	+1.75	+1.16	56634	70382	60120	98514	71481	66587	55995	59862	167558
	HFA20545	+1.35	-1.03	-1.32	-1.11	-2.00	-2.88	-1.51	-1.02	28346	38360	27452	21410	25491	58700	51239	99259	65574
*	HFA00341	+4.19	+2.29	+15.35	+1.36	+5.10	+9.08	+6.75	+3.76	39228	164270	89804	602212	53314	14157	9856	18711	27900
*	HFA02205	-1.15	-1.42	-1.09	-1.92	-1.23	-2.22	-1.33	-1.06	152384	132651	106956	139526	79524	200249	356110	264620	147578
	HFA03176	+1.35	+1.19	+1.08	-1.09	-1.11	-1.28	-1.08	+1.07	21620	29227	25788	23286	19771	124351	68740	114567	143930
*	HFA02312	+1.66	+1.13	+1.07	+1.43	+1.48	-1.13	+1.19	+1.19	32580	54081	36831	35015	46481	19471	16862	19984	23151
*	HFA04497	+1.33	+1.01	+1.12	+1.54	+1.74	+1.36	+2.02	+1.70	28108	37500	28424	31598	43248	48127	28741	38850	38652
	HFA07685	+1.51	+1.05	-1.14	-1.03	-1.29	-1.69	-1.27	+1.02	23840	36069	24946	20978	23121	48857	38149	56768	47755
*	HFA06295	+1.45	+1.17	+1.08	+1.26	+5.79	+2.90	+2.06	+4.14	25888	37501	30286	28026	32726	18415	14103	18717	24435
*	HFA06558	+1.20	+1.12	+1.02	+1.21	+1.09	-1.36	-1.03	+1.80	72238	86715	81219	73594	87739	149830	75090	53363	107288
	HFA08624	+1.00	+1.00	+1.00	+1.22	-1.11	+1.27	-1.33	+1.00	13822	13822	13822	13822	16870	78931	53030	70391	130235
	HFA11360	+1.13	-1.00	+1.00	+1.04	+1.13	-1.23	+1.18	+1.12	16600	18761	16594	16600	17271	12491	17493	10430	13822
*	HFA10150	-1.23	-1.20	-1.04	-1.71	-1.04	-1.79	-1.28	-2.30	1030090	835715	859664	989907	603902	18793	13491	19607	18661
	HFA10804	+1.14	-1.14	+1.00	-1.00	+1.76	-1.58	+1.11	+1.10	26314	29868	23056	26314	26241	989959	574228	802464	447557
*	HFA11696	+1.05	+1.08	+1.23	+1.24	+1.06	-1.10	+2.08	+1.28	26750	28074	28958	32985	33126	46318	16654	29304	29029
	HFA12525	+1.21	-1.03	+1.34	-1.17	+1.38	+1.19	+1.77	+1.22	22202	26758	21656	29643	18934	28374	24336	55675	34265
	HFA15533	+1.11	+1.03	+1.03	-1.39	-1.01	-1.20	+1.35	-1.36	49574	55052	50840	50840	35598	30720	26326	39192	27148
*	HFA16624	+1.40	+1.15	+1.00	+1.00	+1.06	-1.26	+1.83	+4.41	24634	34412	28273	24713	24634	49191	41447	66915	36539
	HFA14763	+1.15	-1.17	-1.06	-1.14	-1.03	-1.39	+1.30	+3.35	88564	102174	75988	83846	77473	26102	19531	45001	108654
*	HFA16883	-1.11	-1.67	-2.07	-3.07	-2.45	-2.27	-1.01	-2.73	158622	142804	95158	76692	51702	85632	63836	114864	297063
*	HFA15696	+1.61	+1.20	+1.00	+1.11	+1.27	+1.55	+2.73	+1.60	25444	40913	30465	25444	28189	64683	69908	156386	58041
*	HFA18779	+1.65	-1.08	-1.11	+1.15	+1.15	-1.22	+1.55	-1.05	81714	134861	75669	73519	93747	32320	39338	69374	40728
*	HFA18726	+1.44	+1.20	-1.06	-1.13	+1.09	-1.06	+1.73	-1.10	51600	74340	61875	48781	45606	94111	67048	126967	77622
*	HFA18446	-1.15	-1.08	+1.01	-1.07	-1.04	-1.82	-1.52	-1.52	125572	108807	116534	126440	117004	56203	48558	89255	47012
*	HFA20079	+1.08	-2.25	-3.91	-2.35	-3.37	-2.49	-1.15	-2.07	196430	211943	87443	50184	83650	120377	69127	82561	82884
*	HFA20566	+1.50	-1.05	-1.03	+1.16	+1.32	-1.37	+2.05	+1.23	68604	102860	65430	66811	79834	58317	78874	170284	95107
	HFA00125	+1.07	-1.30	+1.00	-1.03	+1.00	+1.01	-1.14	+1.00	23200	24796	17890	23200	22513	90442	50184	140461	84267
	HFA01094	-1.11	+1.00	-1.05	+1.00	+1.55	+1.03	+1.09	+1.00	17200	15553	17200	16327	17200	23200	23496	20397	23200
*	HFA01478	+2.30	+3.81	+8.09	+1.48	+1.72	+1.66	+1.77	+1.32	114518	263376	436051	926103	169896	26581	17793	18741	17200
*	HFA03654	-1.04	+1.05	+1.29	+1.15	+1.48	-1.17	+1.92	+1.00	42996	41166	44994	55669	49292	197473	190488	202946	151104
	HFA04795	+1.41	+1.19	+1.18	+1.40	+1.25	+1.03	+1.29	+1.15	22122	31255	26394	25997	30900	63477	36884	82716	42996
	HFA05338	-1.09	+1.03	+1.00	+1.00	+1.06	-1.02	+2.06	-1.12	21680	19823	22381	21680	21680	27675	22822	28545	25473
	HFA05722	-1.08	-1.15	-1.06	-1.15	-1.26	-1.30	+2.16	+1.00	21160	19578	18321	19970	18395	22955	21207	44644	19370
*	HFA07954	+1.63	-1.06	+2.68	+1.14	+2.31	+1.31	+2.25	+1.36	46720	76358	44063	125068	53269	16824	16320	45799	21160
	HFA08931	+1.66	+1.01	+1.19	+1.11	+1.42	+1.29	+1.27	+1.04	18300	30353	18435	21778	20292	107703	61033	104894	63489
*	HFA09315	-1.51	-1.33	-1.29	-1.65	-1.33	-2.67	-1.77	-2.09	685600	454752	515093	533303	416131	26000	23599	23172	19074
	HFA11454	+1.16	+1.00	+1.00	+1.00	+1.09	+1.00	+1.01	+1.10	14304	16523	14304	14304	14304	516411	257027	387167	328603
*	HFA12426	+1.43	-1.03	+1.09	+1.58	+1.76	-1.02	+2.01	+1.42	70818	100965	68525	77032	111681	15633	14304	14512	15774
	HFA12959	+1.10	+1.08	+1.06	+1.32	-1.05	+1.16	+1.20	+1.00	20708	22835	22306	21849	27258	124701	69600	142104	100702
	HFA13343	+1.00	+1.00	+1.00	-1.02	+1.00	+1.22	+1.38	+1.00	18000	18000	18000	18000	17610	19796	23969	24905	20708
	HFA13727	+1.12	-1.01	+1.16	+1.13	+1.33	-1.05	+1.59	+1.88	25200	28181	25069	29280	28564	18000	22048	24874	18000
	HFA17122	+1.10	+1.15	+1.00	+1.03	-1.06	+1.12	+1.58	+1.00	20072	22098	23008	20072	20755	33445	24031	40087	47381
*	HFA17521	+1.21	-1.22	+1.01	-1.05	+1.37	-1.15	+1.42	-1.21	72934	88064	59727	73544	69538	18934	22469	31729	20166
	HFA19108	+1.65	+1.02	+1.00	+1.30	+1.00	+1.06	+1.82	+1.44	23320	38573	23768	23320	30385	100126	63149	103553	60092
*	HFA20733	+1.10	+1.28	+1.04	-1.03	+1.01	+1.01	+3.06	-1.12	25114	27632	32098	25994	24465	23320	24673	42403	33605
	HFA21191	-1.03	+1.23	+1.14	+1.30	+1.31	+1.22	+1.65	+1.10	22320	21765	27503	25458	29125	25368	25390	76906	22468
*	HFA20519	-3.56	-3.32	-4.35	-4.00	-2.47	-2.67	-1.40	-2.19	228608	64205	68942	52501	57163	29286	27223	36839	24444
*	HFA11822	-1.15	-1.33	-1.57	-1.69	-2.28	-2.51	-1.58	-3.59	321678	279912	242712	205423	190064	92445	85722	163584	104250
*	HFA13535	+1.23	-1.10	+1.09	+1.03	+1.05	-1.12	+1.57	+1.12	51590	63317	47001	56114	53174	141171	128164	203283	89582
*	HFA00607	-1.79	-2.60	-3.18	-1.42	-2.65	-3.74	-3.02	-1.71	253202	141776	97385	79712	178618	53987	46268	80829	57724
*	HFA02994	+1.47	-1.02	-1.46	+1.08	-1.19	-1.96	-1.71	-1.15	61160	89649	60173	41781	66101	95567	67648	83731	148380
*	HFA04290	+1.93	-1.03	+1.28	+1.22	+1.04	-1.09	-1.03	+1.64	38120	73573	36967	48647	46484	51579	31218	35662	53171
*	HFA06232	+1.12	+1.27	-1.06	-1.68	-1.59	-2.83	-2.16	+1.08	48670	54270	61986	45918	28986	39591	34864	37158	62547
*	HFA07503	-1.18	-2.02	-3.32	-2.22	-3.17	-4.90	-3.88	-4.73	429194	363185	212758	129091	192985	30526	17201	22550	52399
*	HFA11007	+1.19	+1.69	+1.13	-2.05	-1.61	-3.08	-2.57	-4.93	578834	688368	975588	656656	281955	135262	87570	110494	90689
*	HFA10517	-1.13	-1.93	-1.34	-1.09	-2.34	-2.32	-1.58	+1.14	142046	125425	73701	106137	130395	359787	188146	225452	117321
*	HFA16824	+1.61	+1.45	+3.03	+1.10	+1.14	-1.03	+1.62	+2.33	28444	45905	41116	86247	31413	60728	61113	89633	162431
*	HFA16870	-1.42	-2.02	-2.21	-2.27	-2.35	-3.52	-2.45	-1.89	567908	398695	281346	257076	250533	32308	27709	46038	66409
	HFA15058	+1.22	-1.08	-1.00	+1.08	-1.28	-1.08	-1.24	+1.19	28722	34994	26676	28641	31025	241829	161387	231942	300232
*	HFA17805	-1.43	-1.31	-1.45	-2.29	-1.36	-3.14	-1.83	-2.60	821120	583581	626096	566649	359009	22514	26599	23125	34061
*	HFA20625	+1.30	-1.16	-1.63	-1.09	-1.43	-2.40	-1.57	-1.29	74312	96836	64174	45639	68482	605481	261597	447891	316086
*	HFA00543	+1.44	+1.26	+6.94	-1.04	+1.89	+5.26	+3.40	+2.71	32328	46480	40826	224349	31126	52546	30975	47471	57528
	HFA02745	+1.22	-1.35	-1.15	-1.25	-1.62	-1.34	-1.33	-1.02	30282	37012	22483	26434	24215	61230	170200	110025	87626
	HFA03505	+1.56	+1.29	+1.13	+1.16	-1.05	+1.06	+1.06	+1.00	17284	26954	22258	19610	20055	18735	22561	22837	29672
*	HFA03519	+1.05	-1.46	-1.04	-1.00	-1.29	-2.08	-1.83	-2.23	287886	302158	197386	277392	286902	16502	18353	18248	17284
	HFA04507	+2.06	+1.25	+1.27	+1.48	+1.44	+1.51	+1.33	+1.78	22000	45238	27420	27979	32603	222805	138303	156983	129134
*	HFA06826	+1.34	+1.14	+1.53	+1.45	+2.02	+1.23	+1.52	+2.52	31920	42715	36510	48741	46323	31573	33291	29327	39082
*	HFA07203	+1.65	+1.48	+2.41	+2.06	+2.32	+4.09	+1.63	+1.35	18560	30581	27380	44651	38254	64397	39223	48413	80461
*	HFA06894	+1.02	-1.48	-1.21	-1.48	-2.17	-2.55	-1.89	-1.98	124974	127463	84218	103035	84395	43145	75926	30341	25006
*	HFA08731	+1.50	+1.00	-1.22	-1.19	-1.26	-1.76	-1.24	-1.47	107424	161279	107707	87840	90447	57607	48943	66140	63250
	HFA11220	+1.15	+1.10	+1.38	+1.72	+1.22	+2.29	+1.37	+1.00	19670	22645	21541	27116	33770	85548	61162	86608	72859
*	HFA10146	+1.09	+1.19	+1.04	+5.91	+1.01	+1.30	-1.22	+1.15	19376	21123	22983	20076	114511	23917	44983	26992	19670
*	HFA09667	-1.13	-1.21	-1.45	-2.13	-2.69	-3.56	-2.48	-2.86	341308	302774	281333	235395	160486	19570	25210	15933	22321
*	HFA11700	+1.30	+1.41	+3.74	+1.74	+3.86	+1.47	+2.54	+3.46	51880	67582	73121	194070	90110	126683	95849	137901	119342
*	HFA12633	-1.08	-1.15	-1.08	-1.06	-1.73	-2.48	+1.05	+1.98	26880	24867	23451	24910	25296	200155	76388	131778	179269
	HFA16052	-1.00	+1.00	+1.00	+1.00	-1.07	-1.57	+1.04	+1.01	16560	16560	16560	16560	16560	15722	10838	28127	53091
*	HFA14982	-1.28	-1.13	-1.62	-1.86	-1.52	-1.77	-1.06	-2.75	891640	697042	788610	549317	478837	15540	10533	17288	16674
*	HFA15260	-1.09	+1.34	+1.48	-1.26	+1.04	-1.03	+1.14	-1.06	88674	81224	118780	131527	70223	585044	503124	838979	324128
	HFA14609	+1.30	-1.00	+1.30	-1.10	+1.33	-1.18	+1.11	+1.18	21370	27860	21366	27807	19504	92015	85771	101153	83441
*	HFA14474	+1.13	+1.06	+1.10	+1.20	+1.42	-1.23	+1.45	+1.17	58674	66149	62383	64634	70301	28453	18083	23807	25169
	HFA18644	-1.10	-1.11	-1.03	-1.34	-1.15	-2.68	+1.11	-1.43	29800	27048	26869	28951	22295	83361	47647	84934	68908
	HFA18072	-1.04	+1.10	+1.01	+1.17	-1.21	-1.35	+1.57	+1.00	27210	26224	29835	27540	31828	25925	11124	32940	20770
*	HFA19652	-1.16	-1.34	-1.22	-1.52	-1.37	-3.25	-1.41	-3.06	314040	270636	233585	257798	206733	22404	20137	42652	27210
	HFA20135	+1.00	-1.30	-1.26	+1.31	-1.53	-2.11	-1.03	+1.08	94066	94066	72301	74607	123541	228766	96760	222759	102497
	HFA20560	+1.00	+1.00	+1.00	-1.01	+1.41	+1.50	+2.04	+1.10	20640	20640	20640	20640	20477	61337	44493	91635	101611
	HFA00149	-1.07	+1.00	+1.00	+1.08	+1.00	-1.26	-1.01	+1.00	15920	14945	15920	15920	17215	29059	31048	42051	22702
	HFA01118	+1.08	+1.00	+1.00	+1.00	+1.09	+1.09	-1.05	+1.03	13444	14487	13444	13444	13444	15920	12649	15839	15920
*	HFA01502	+1.53	+1.18	+1.59	-1.02	+1.18	-1.23	+1.85	+1.18	29420	44922	34609	46703	28873	14654	14627	12747	13818
*	HFA03678	+1.30	+1.22	+1.66	+1.32	+2.90	+2.28	+2.88	+3.86	29836	38798	36336	49423	39363	34645	23976	54436	34619
	HFA04819	+1.17	-1.18	+1.00	-1.02	-1.11	-1.36	+1.40	+1.07	19160	22370	16226	19160	18833	86469	68163	85881	115114
	HFA05362	-1.01	+1.20	+1.31	+1.06	+1.04	+1.07	+2.29	+1.28	17840	17637	21480	23438	18838	17239	14080	26903	20509
	HFA05746	+1.22	-1.00	+1.08	+1.43	+1.08	+1.19	+1.96	+1.03	24280	29633	24246	26166	34829	18554	19003	40887	22924
*	HFA07978	-1.05	+1.05	+1.13	-1.02	+1.05	-1.11	+1.57	+1.32	43660	41432	45936	49230	42925	26292	28831	47522	24922
	HFA08955	+1.37	+1.05	+1.00	+1.04	+1.00	-1.02	+1.04	+1.00	16124	22095	16886	16124	16693	45852	39357	68532	57719
	HFA09339	+1.46	+1.17	+1.00	+1.01	+1.15	-1.24	+1.33	+1.00	23564	34317	27459	23564	23863	16124	15807	16798	16124
	HFA11478	+1.32	+1.26	+1.00	+1.04	+1.15	+1.40	+1.09	+1.03	16620	21996	20861	16620	17285	27106	18935	31426	23564
	HFA12450	+1.30	-1.06	+1.03	+1.21	+1.03	+1.24	+1.23	+1.35	23948	31200	22504	24668	28987	19110	23247	18169	17039
	HFA12983	+1.36	-1.04	+1.00	+1.08	+1.30	-1.03	+1.30	+1.19	31702	43195	30605	31702	34128	24769	29640	29552	32282
	HFA13367	+1.01	-1.09	+1.03	+1.02	+1.25	+1.06	+2.95	+1.14	22720	23061	20920	23309	23252	41303	30849	41058	37675
*	HFA13751	+1.20	+1.15	+1.49	+1.21	+1.19	-1.33	+1.51	+1.17	60748	72736	69609	90390	73412	28341	24093	67043	25795
	HFA17668	-1.45	+1.96	+1.71	+1.34	+1.64	+1.65	+1.14	+1.00	19714	13586	38676	33736	26448	72250	45736	91554	70882
	HFA17547	+1.12	+1.08	+1.00	+1.00	+1.09	+1.23	+1.06	+1.00	16120	18019	17380	16148	16120	32263	32521	22415	19714
*	HFA19132	-1.18	+1.21	+1.13	+1.52	+1.07	+1.04	+2.09	+1.13	26840	22773	32371	30257	40844	17512	19857	17060	16120
*	HFA20760	+1.05	-1.10	-1.20	-1.55	-1.62	-2.06	-1.12	-1.21	76926	81123	69640	63976	49739	28660	27894	56006	30210
	HFA21214	-1.06	+1.01	+1.00	+1.00	+1.00	+1.29	-1.10	+1.00	13964	13129	14129	13964	13964	47372	37417	68723	63757
	HFA00733	-1.05	+1.00	+1.00	+1.00	-1.04	+1.06	+1.00	+1.00	14400	13712	14400	14400	14400	13964	17991	12724	13964
*	HFA14632	+1.27	+1.23	+1.55	+2.02	-1.12	-1.34	+1.00	+1.10	57996	73922	71476	90059	116968	13876	15264	14400	14400
	HFA17270	+1.08	+1.00	-1.02	+1.00	-1.25	-2.46	-1.12	-1.86	39242	42436	39242	38408	39242	51589	43325	58092	63777
*	HFA00835	+1.37	-1.28	-1.70	-1.45	-1.89	-2.58	-2.08	-2.04	148438	203610	115794	87546	102465	31405	15982	35033	21081
*	HFA03277	+1.12	-1.38	-1.77	-1.46	-1.30	-2.38	-1.60	+1.72	247362	276261	179863	140026	169363	78642	57576	71352	72654
*	HFA04436	+1.12	-1.64	-2.08	-1.56	-1.57	-4.64	+1.31	+1.52	359338	401597	218630	172406	230507	190191	103993	154277	424985
*	HFA06740	+1.04	-1.00	+1.49	-1.01	+1.21	-1.35	-1.06	+1.31	117400	122106	117114	175361	116657	229362	77439	470843	547412
*	HFA05935	+1.10	+1.17	+1.26	+1.34	-1.15	-1.15	+1.74	+1.73	64218	70511	75436	81186	86198	142363	87137	111178	154162
*	HFA11259	-1.23	-2.00	-2.39	-3.62	-3.24	-3.42	-2.18	-1.86	410360	334722	204955	171509	113216	55921	55789	111895	111272
*	HFA10390	+1.16	+1.14	+1.76	+1.48	+4.05	+1.74	+2.50	+9.46	57000	66312	64811	100473	84446	126837	119942	187822	220710
*	HFA14557	-1.58	-3.15	-8.85	-5.20	-2.93	-8.09	-2.31	-5.32	849702	536359	269965	96004	163461	231041	99071	142278	539246
*	HFA14111	+1.18	+1.00	+1.43	+1.29	+1.00	+1.04	+1.97	+1.33	35580	42011	35580	50717	45762	290855	139447	368102	159795
*	HFA16901	-1.12	-2.33	-2.84	-1.30	-3.07	-4.25	-2.33	+1.03	202474	181048	86846	71377	156337	35580	37036	69979	47209
	HFA18254	+1.18	+1.02	+1.22	+1.00	-1.06	-1.56	+1.01	+1.05	29460	34710	30014	36033	29460	66056	47645	86775	207718
*	HFA00522	+1.62	+1.44	+1.28	+2.47	+1.69	+1.65	+1.65	+4.81	30248	49071	43527	38710	74675	27787	18905	29889	31012
*	HFA02361	-1.28	-5.31	-2.99	-2.67	-6.62	-4.80	-4.71	-5.98	188234	146964	35462	63026	70602	51043	50020	49985	145382
*	HFA02631	+1.47	-1.12	+1.60	+2.90	+2.07	+1.04	+1.98	+1.92	44970	66112	40221	72095	130391	28422	39192	39929	31468
*	HFA01907	+1.11	-1.19	-1.41	-1.49	-1.06	-2.15	-1.29	-1.34	510376	566898	428578	362462	343469	92981	46612	89258	86463
*	HFA03173	-1.07	-1.59	-2.13	-1.81	-2.01	-2.61	-1.63	-1.75	238030	222769	149301	111766	131723	481536	237601	394768	381779
*	HFA04062	+2.20	+1.70	+1.16	+1.56	+2.54	+2.03	+2.23	+1.42	28518	62873	48344	33163	44418	118627	91217	146058	136218
*	HFA06484	+1.65	+1.12	+1.38	+1.52	+1.37	-1.26	+1.32	+1.49	38662	63661	43485	53208	58792	72401	57763	63563	40617
*	HFA07260	+3.02	+1.30	+1.40	+2.22	+1.84	+1.36	+1.46	+1.07	44124	133174	57449	61694	97941	52843	30642	51161	57473
*	HFA05996	+1.29	-1.13	-1.06	-1.18	-2.00	-2.71	-1.93	-1.78	349600	449468	309892	328846	296024	81104	60001	64412	47153
*	HFA08524	+1.58	+1.30	+1.02	+1.17	+2.02	+1.49	+2.05	+1.56	24958	39533	32473	25556	29303	174892	128997	181022	195937
*	HFA10192	-1.35	-1.19	-1.15	-1.92	-1.19	-1.34	+1.17	-2.46	2764760	2040496	2325678	2406666	1440692	50298	37279	51060	39027
*	HFA10873	+1.50	+1.37	-1.01	+1.09	+1.33	-1.09	+2.46	+1.32	25498	38145	34926	25174	27814	2332847	2057090	3244941	1125914
*	HFA09933	-1.02	+1.08	+1.00	-1.06	+4.06	-1.30	+1.48	+1.00	22400	22064	24113	22400	21221	33890	23386	62844	33681
	HFA11693	-1.15	+1.08	+1.00	+1.00	+1.38	+1.25	+1.86	+1.09	25100	21804	27012	25100	25100	90961	17289	33188	22400
*	HFA12553	+1.15	+1.03	+1.05	+1.26	+2.16	+1.39	+3.59	+2.26	24456	28101	25074	25722	30906	34581	31334	46750	27260
*	HFA15602	-1.04	-1.05	-4.86	-1.38	-10.29	-10.85	-4.02	-5.17	102724	99116	97568	21157	74414	52741	34073	87885	55373
*	HFA15557	-1.16	-1.35	-1.31	-2.03	-1.93	-1.87	-1.29	-1.63	143804	123504	106810	109976	70936	9981	9467	25573	19858
*	HFA15606	-1.42	-2.16	-1.90	-1.86	-2.18	-2.54	-1.55	-1.98	340224	240439	157556	178761	182724	74326	76877	111120	88222
	HFA15266	+1.43	+1.17	+1.12	+1.10	+1.31	-1.28	+1.32	+1.00	31122	44622	36312	34962	34152	156316	133870	219521	171646
*	HFA14879	+1.60	+1.02	+1.24	-1.07	+1.15	-1.05	+3.26	+1.78	29480	47227	29948	36624	27578	40863	24227	41062	31122
	HFA18182	+1.45	+1.17	+1.03	+1.04	+1.13	-1.25	+1.44	-1.00	26380	38359	30909	27042	27547	33940	28075	95982	52439
*	HFA18359	-1.14	-1.32	-1.28	-1.40	-1.84	-1.89	+1.18	-1.36	79568	69895	60318	62278	56988	29813	21036	38095	26366
*	HFA20307	-1.00	-1.32	-1.49	-1.20	-1.49	-2.39	-1.09	-1.80	207788	207392	157938	139647	173073	43186	42138	94270	58445
*	HFA19453	-1.04	+1.00	-1.01	-1.02	+1.44	+1.12	+1.93	+1.52	27708	26738	27771	27381	27138	139893	86949	190081	115607
*	HFA20473	-1.04	-1.20	-1.20	-1.17	+1.10	-1.58	-1.06	-1.59	849882	816302	708769	708607	726428	39889	31059	53354	42018
*	HFA00173	+1.04	+1.23	+1.05	+1.40	-1.05	+1.02	+2.74	+1.14	26966	28173	33232	28424	37751	933151	537439	798564	534676
	HFA01142	+1.02	+1.00	+1.06	+1.21	+1.01	+1.04	+1.46	+1.12	16772	17084	16772	17715	20369	25701	27429	73870	30847
*	HFA01526	-1.04	+1.05	+1.06	+1.00	+1.00	+1.02	+3.52	+1.10	21742	20821	22771	23046	21742	16902	17370	24538	18719
	HFA03753	+2.29	+1.36	+1.00	+1.00	+1.06	+1.07	+1.08	+1.00	17412	39801	23737	17412	17412	21742	22127	76459	23988
	HFA04932	+2.05	+1.10	+1.01	+1.13	+1.76	-1.08	+1.20	+1.21	16720	34333	18402	16870	18918	18513	18608	18884	17412
	HFA05386	+1.46	+1.02	+1.00	-1.02	+1.00	-1.09	+2.03	+1.10	17000	24835	17323	17000	16612	29367	15515	20148	20212
	HFA05770	-1.22	-1.06	+1.00	+1.07	+1.05	+1.35	+3.58	+1.00	16840	13789	15947	16840	18004	17000	15566	34479	18657
*	HFA08002	+1.79	+1.65	+2.99	+1.55	+6.98	+3.48	+2.86	+3.02	36900	65981	60786	110399	57195	17600	22798	60313	16840
*	HFA08979	+1.64	-1.01	+1.00	+1.63	+1.23	+1.05	+2.02	+1.56	31444	51583	31226	31444	51358	257627	128306	105398	111260
	HFA09363	+1.02	+1.04	+1.00	+1.09	+1.06	-1.40	+1.08	-1.08	23760	24339	24612	23760	25861	38723	33002	63382	48917
	HFA11502	+1.35	+1.00	+1.03	+1.15	+1.49	+1.07	+1.29	+1.00	25640	34545	25640	26475	29587	25269	16979	25733	22056
	HFA12474	+1.09	+1.07	+1.15	+1.01	+1.04	+1.12	+1.45	+1.42	25538	27894	27233	29318	25870	38231	27502	33197	25640
*	HFA13007	+1.06	-1.09	-1.15	+1.20	+1.17	-1.08	+1.90	+1.22	68658	72487	62948	59589	82290	26602	28588	36954	36386
	HFA13391	+1.88	-1.02	+1.02	-1.02	+1.02	+1.22	+1.63	+1.00	26212	49382	25621	26714	25577	80156	63401	130599	84064
*	HFA13775	+1.22	+1.29	+5.15	+2.17	+2.23	+1.57	+3.41	+2.57	36576	44636	47333	188240	79237	26761	32069	42622	26212
	HFA17437	-1.24	+1.00	+1.00	+1.00	+1.00	+1.20	+1.45	+1.00	21152	17100	21152	21152	21152	81624	57455	124588	93958
	HFA17575	-1.20	+1.00	+1.00	-1.01	+1.04	+1.05	+1.34	+1.00	15840	13190	15840	15840	15658	21258	25409	30766	21152
*	HFA19156	-1.02	-1.13	+1.02	-1.03	-1.01	-1.07	+2.58	+1.00	22650	22261	20027	23135	22002	16450	16643	21197	15840
*	HFA20784	-1.96	-1.31	-1.34	-2.43	-2.29	-2.72	+1.74	-2.08	153280	76960	116901	114742	63097	22515	21115	58442	22650
	HFA21282	+1.24	+1.03	+1.00	+1.35	+2.02	+1.29	+1.79	+1.05	21384	26601	22029	21384	28781	66906	56451	267027	73711
	HFA01089	-1.02	-1.04	+1.00	+1.00	+1.00	-1.10	+1.04	+1.00	17006	16604	16369	17006	17006	43252	27560	38251	22424
*	HFA18809	+1.54	+2.83	+1.66	-1.61	+1.27	+1.05	+1.30	-1.09	68040	104905	192341	113092	42248	17006	15444	17609	17006
	HFA20871	-1.07	+1.05	+1.00	+1.00	+1.00	+1.04	+2.11	+1.00	15920	14908	16772	15920	15920	86740	71775	88319	62690
*	HFA00578	+1.08	-1.37	-2.39	-1.31	-1.75	-2.52	-2.22	-2.04	103698	112372	75478	43357	79331	15920	16621	33611	15920
*	HFA02534	-1.34	-1.44	-1.14	-1.73	-1.38	-2.27	-1.53	-1.42	46038	34397	32025	40365	26629	59249	41079	46773	50906
	HFA04306	+1.34	-1.12	+1.02	-1.05	-1.29	-1.02	-1.37	+1.05	21688	29153	19350	22122	20595	33415	20285	30147	32350
*	HFA07033	-1.21	-1.47	-2.47	-1.29	-1.82	-3.14	-2.86	-1.97	127280	104921	86664	51548	98328	16793	21261	15831	22818
*	HFA06165	+1.15	+2.26	+2.79	+1.47	+2.44	+1.36	+2.11	+4.17	98580	113611	222939	275371	145164	69960	40502	44483	64739
*	HFA10766	-1.54	-2.53	-3.22	-1.42	-1.64	-1.94	-1.66	-1.89	324802	211548	128330	101027	229383	240494	133852	207896	410668
*	HFA11067	-1.26	-1.43	-1.02	-1.87	-1.08	-1.03	-1.52	-1.67	255948	202755	178365	250628	137049	197654	167182	195224	171760
*	HFA14926	+2.26	+1.46	+1.41	+1.60	+1.66	+1.17	+1.29	+2.13	27572	62372	40126	38953	44096	237421	249577	167916	163458
	HFA14594	+1.17	-1.00	-1.28	-1.22	-1.26	-1.83	-1.66	-1.14	41132	47967	40978	32153	33583	45828	32171	35450	58860
	HFA15240	+1.24	+1.12	+1.00	-1.02	+1.10	-1.69	-1.45	+1.39	30002	37211	33715	30002	29519	32757	22469	24773	36043
*	HFA19654	-1.28	-1.20	-1.84	+1.20	+1.48	-1.13	-1.07	+1.80	126890	99045	105956	68972	152862	33000	17784	20693	41579
*	HFA00651	+1.18	+1.47	+2.12	+1.79	+1.87	+1.45	+1.22	+1.00	43594	51540	64180	92591	77956	187351	112279	118733	227922
*	HFA02999	+1.14	-1.55	-3.11	-2.04	-2.12	-3.59	-2.77	-2.99	279958	318175	180406	90158	136910	81342	63245	52973	43594
*	HFA02778	+1.92	+1.24	+1.31	+1.64	+1.71	-1.16	+1.40	+3.52	25804	49511	31936	33791	42276	131893	77950	100998	93637
	HFA01954	-1.03	-1.04	+1.02	+1.10	-1.01	+1.02	+1.56	+1.24	25160	24451	24105	25607	27756	44093	22179	36062	90741
	HFA03728	+1.02	+1.13	+1.00	-1.05	-1.31	+1.36	-1.03	+1.00	14722	15076	16705	14722	13962	24809	25728	39215	31242
*	HFA04204	+1.13	-1.21	-1.40	-1.42	-1.46	-2.07	-1.81	-1.14	116810	131766	96642	83651	82130	11254	19951	14316	14722
*	HFA06422	-1.06	-1.78	-1.78	-1.10	-1.19	-1.44	-1.23	-1.25	111214	105025	62481	63693	100779	79990	56381	64643	102623
*	HFA06360	+1.80	+1.14	+1.23	+2.17	+1.07	+1.21	+2.03	+2.85	20092	36085	22887	24688	43633	93424	77351	90476	89045
*	HFA06461	+1.97	+1.37	+1.54	+2.36	+1.78	+1.31	+1.38	+1.99	141362	279073	193257	217904	333691	21492	24282	40832	57164
*	HFA08271	-1.04	+1.02	+1.00	-1.26	+1.13	-1.52	-1.10	+1.12	63808	61584	65088	63965	50468	251220	184961	194566	281899
	HFA11020	+1.04	+1.04	+1.30	+1.17	-1.00	-1.10	+1.21	+1.00	29080	30367	30150	37901	34129	72177	42113	58030	71472
	HFA10579	+1.13	+1.13	+1.06	+1.19	-1.24	+1.07	+1.89	+1.89	19664	22304	22190	20785	23437	28962	26461	35129	29080
*	HFA09944	+1.46	+1.28	+1.55	+1.79	+1.30	-1.05	+1.51	+24.30	56120	81794	71874	86830	100610	15891	20945	37113	37195
*	HFA11863	+1.47	+1.02	+1.34	-1.07	+13.17	+2.37	+1.34	+1.07	21742	32025	22082	29092	20410	72785	53295	84639	1363492
	HFA12542	+1.04	-1.03	+1.03	-2.00	-1.15	-1.21	+1.00	+1.12	23260	24210	22646	24070	11642	286438	51621	29222	23160
*	HFA16083	+1.19	-1.04	-1.03	+1.00	+1.47	+1.05	+2.58	+1.34	25060	29728	24047	24351	25060	20200	19210	23366	26156
*	HFA15968	+1.74	+1.61	+3.22	+1.15	+4.22	+1.01	+2.96	+1.03	166734	290565	268822	536995	191655	36742	26410	64687	33559
*	HFA15660	+1.00	+1.08	-1.58	-1.89	-1.43	-1.35	-1.51	-1.52	75890	75954	81603	48020	40229	703774	168230	493571	172244
	HFA14636	+1.25	+1.22	-1.13	+1.35	-1.05	+1.42	+1.07	+1.03	20588	25827	25132	18254	27786	53139	56279	50281	49909
*	HFA14861	-1.05	+1.09	+1.13	-1.49	-1.10	-1.23	+1.75	-2.39	3141318	3004207	3422820	3543105	2113329	19570	29310	22001	21290
*	HFA17947	-1.02	-1.05	+2.51	+1.29	+37.55	+10.84	+3.07	+1.56	25720	25113	24531	64625	33152	2867761	2548118	5493456	1316404
*	HFA17829	-1.10	-1.12	-1.68	+1.03	-1.38	-1.89	-1.17	-1.98	195510	177348	173804	116423	200933	965698	278736	79031	40051
	HFA19643	+1.37	-1.09	-1.22	+1.22	+1.08	-1.09	-1.04	+1.25	33508	45874	30658	27522	40935	142042	103300	166573	98913
*	HFA19886	+1.32	+1.10	+1.80	+1.43	+1.34	-1.19	+1.52	+1.44	30280	39973	33320	54506	43176	36139	30792	32083	41926
*	HFA20567	-1.17	-1.56	-2.32	-1.80	-3.62	-4.33	-1.52	-2.90	195960	167300	125239	84441	108642	40599	25503	46153	43686
*	HFA00197	+2.09	-1.05	+1.04	+1.41	+1.57	-1.13	+1.43	+1.00	33562	70152	31987	34777	47168	54173	45206	129009	67680
	HFA01166	-1.74	+1.05	+1.00	+1.00	+1.16	+1.33	+1.55	+1.00	17960	10315	18801	17960	17960	52627	29589	48033	33562
*	HFA01550	+1.18	-1.43	-1.59	-1.10	+1.11	-1.32	+1.55	+1.06	33438	39613	23344	21060	30290	20748	23876	27768	17960
	HFA03786	+1.29	+1.06	+1.18	+1.11	+1.04	-1.04	+1.01	+1.14	18612	24025	19808	21924	20595	37226	25424	51916	35563
	HFA04956	-1.13	-1.02	+1.00	+1.00	+1.05	-1.20	-1.08	+1.00	15282	13505	15031	15282	15282	19374	17932	18748	21273
	HFA05410	+1.36	+1.00	+1.16	+1.10	+1.11	-1.31	-1.12	+1.11	32240	43865	32361	37549	35567	15974	12759	14088	15282
*	HFA05795	+1.20	+1.16	+1.32	+1.54	+10.05	+3.84	+3.37	+12.28	43000	51474	49902	56691	66358	35645	24648	28846	35904
	HFA08026	+1.07	+1.15	+1.00	+1.20	+1.00	+1.11	+2.19	+1.00	16008	17087	18389	16008	19194	432081	165041	144949	528244
*	HFA09003	+1.13	-1.12	-1.04	-1.01	+1.04	-1.63	+2.90	+1.04	35254	39722	31447	34000	34957	16008	17845	34999	16008
	HFA09387	+1.13	+1.01	+1.05	+1.16	+1.03	+1.27	+2.68	+1.00	16960	19164	17155	17827	19703	36629	21568	102080	36520
	HFA11526	+1.26	+1.05	+1.00	+1.00	-1.14	+1.40	-1.16	+1.03	21320	26945	22325	21320	21320	17536	21600	45390	16960
*	HFA12647	-1.02	+1.05	-1.01	+1.15	+1.21	+1.24	+3.32	+2.22	22680	22180	23760	22375	26181	18674	29843	18321	21948
	HFA13031	-1.17	+1.06	+1.00	+1.06	+1.24	-1.03	+1.41	+1.00	16776	14392	17793	16776	17706	27530	28114	75310	50369
*	HFA13415	+1.10	+1.03	+1.13	+1.11	+1.49	-1.22	+1.27	-1.03	52360	57647	53813	59049	58375	20833	16330	23646	16776
	HFA13799	+1.44	+1.10	+1.17	+1.00	+1.18	+1.04	+1.60	+1.05	22296	32029	24567	26017	22376	78257	42872	66466	50781
	HFA17672	+1.16	-1.05	+1.02	+1.00	+1.06	-1.07	+1.61	+1.00	19552	22775	18618	19972	19552	26242	23260	35713	23300
*	HFA17601	-1.27	-1.25	-1.42	-2.62	-2.58	-4.53	-2.18	-2.45	127040	99723	101831	89557	48485	20664	18351	31548	19552
	HFA19180	-1.07	+1.11	+1.01	-1.05	+1.02	+1.15	+1.56	+1.27	22960	21503	25511	23147	21895	49221	28025	58405	51834
*	HFA20809	-1.65	-1.18	+1.11	-1.19	-1.36	-1.99	-1.08	-1.12	87898	53226	74526	97392	73676	23530	26333	35908	29153
	HFA02984	-1.23	+1.00	+1.00	-1.01	-1.04	-1.30	-1.04	+1.08	15900	12903	15900	15900	15699	64573	44094	81710	78222
*	HFA05646	+1.66	+1.35	+1.58	+1.68	+3.04	+2.08	+2.94	+2.58	104450	173130	140768	165002	174963	15276	12224	15337	17161
*	HFA00463	+1.05	-2.26	-2.92	-3.29	-4.09	-5.02	-2.01	-2.19	391800	412443	173074	134163	119217	317121	217318	307594	269277
*	CG13943O21473	-1.32	+1.34	-1.02	-1.80	+2.99	+1.06	+2.28	+1.62	7111520	5195465	9507022	6940278	3949909	95755	78019	195396	178893
*	HFA03369	+1.55	+2.49	+9.04	+4.36	+3.26	+7.00	+9.49	+10.18	43426	67126	108048	392685	189323	21245543	7545691	16246230	11548367
*	HFA03403	-1.25	-1.68	-1.61	-2.34	-1.60	-2.35	-1.91	-1.52	102528	81978	61133	63647	43733	141663	303973	412026	442231
*	HFA04332	-1.34	-3.22	-4.21	-3.32	-2.26	-3.66	-3.76	-2.67	212878	158340	66202	50610	64108	64238	43566	53554	67305
*	HFA07296	-1.60	-2.29	-3.88	-3.45	-3.12	-2.67	-2.69	-2.70	246134	154287	107595	63389	71351	94096	58201	56597	79720
*	HFA07686	+1.98	+2.64	+5.18	+1.94	+5.91	+4.57	+3.91	+5.17	44344	87738	117094	229543	86213	78991	92092	91514	91004
*	HFA11353	-1.18	-1.25	-1.20	-1.46	+1.16	-2.33	-1.60	-1.45	627380	532724	501046	522027	431172	262015	202611	173604	229186

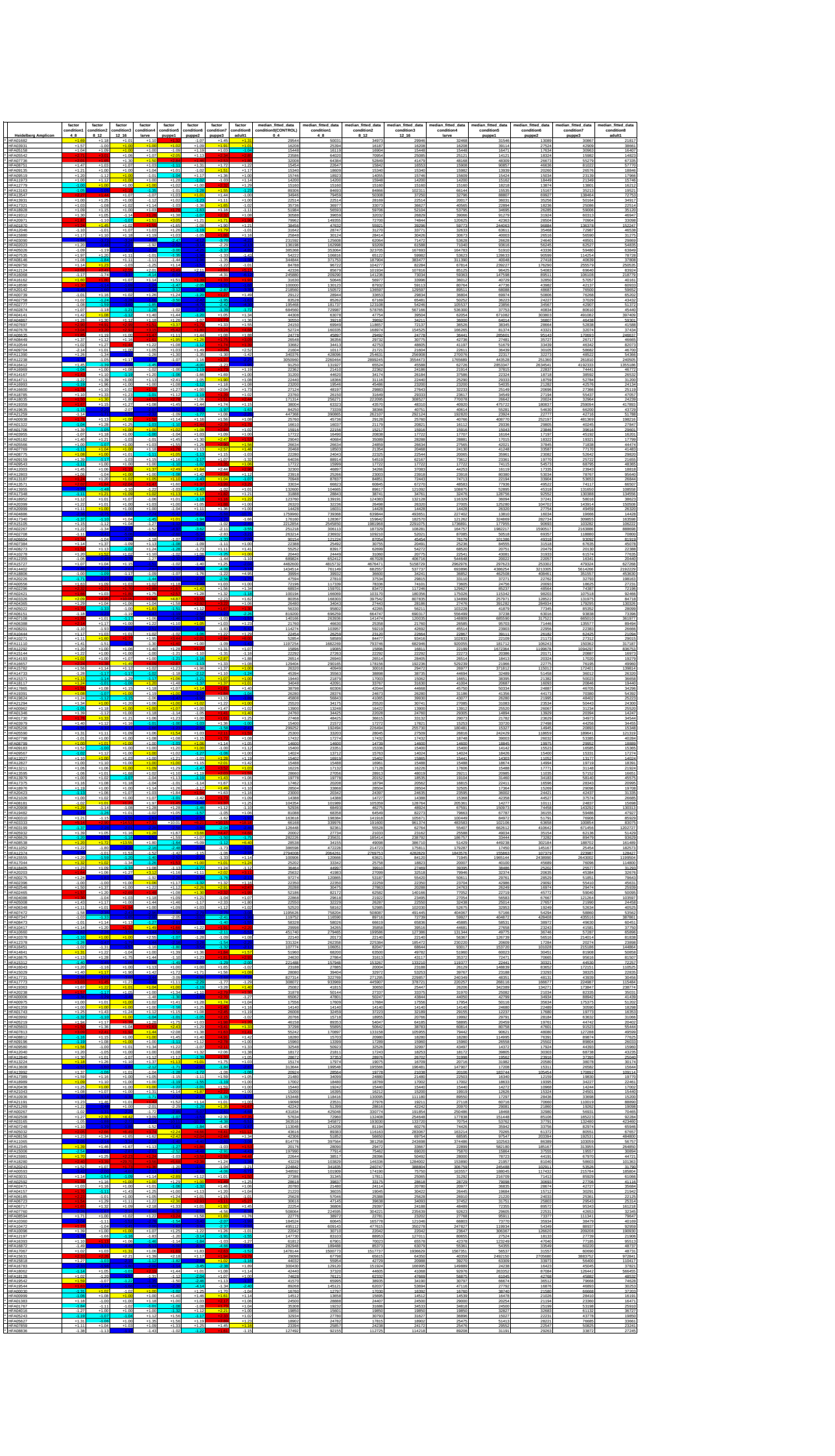


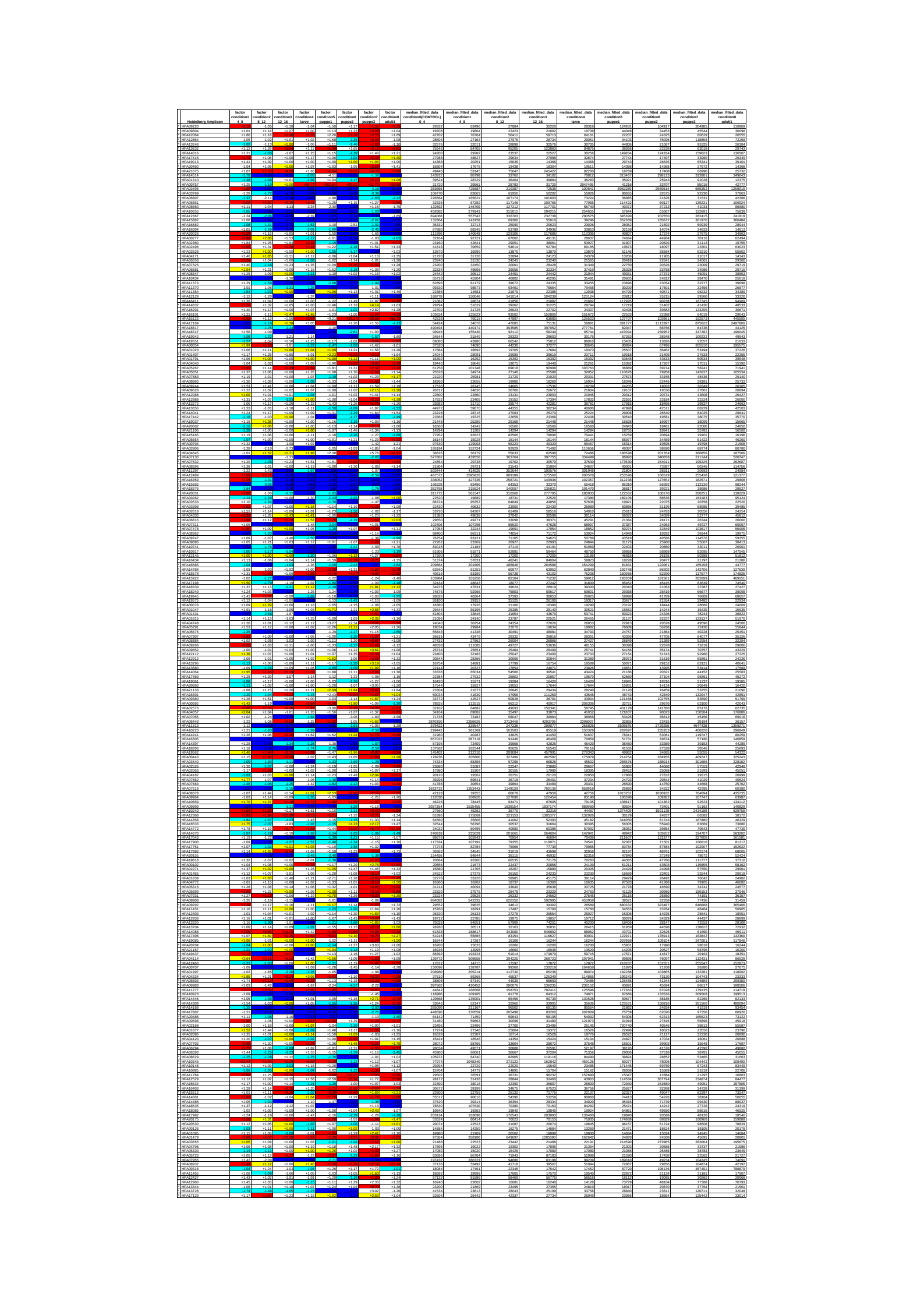


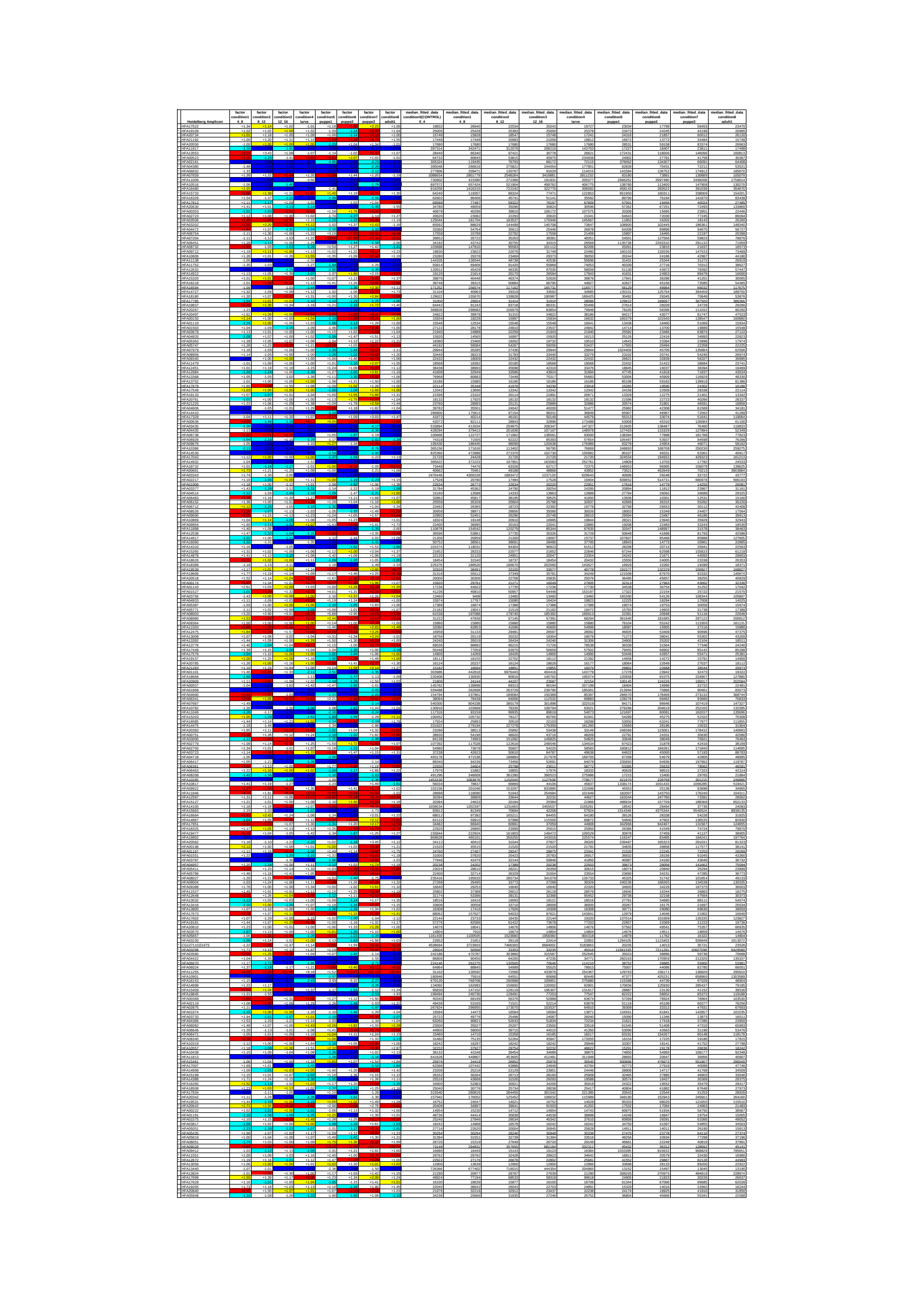
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
	HFA07833	-1.06	-1.16	-1.10	-1.34	-1.08	-2.48	-1.79	-1.86	35950	33904	30873	32760	26750	92507	52279	113139	63368
	HFA08317	+1.57	+1.24	+1.00	+1.28	+1.07	+1.50	+1.73	+1.41	23200	36345	28811	23200	29747	33289	14606	20070	19347
	HFA11241	+1.60	+1.16	+1.00	+1.00	+1.00	-1.19	-1.09	+1.00	22800	36402	26549	22800	22800	24791	34710	40099	32783
*	HFA11070	+1.90	-1.20	-2.26	-1.48	-1.67	-2.26	-1.23	-1.71	179918	342408	150234	79677	121785	22800	19208	20902	22800
	HFA11073	+1.87	+1.68	+2.02	+1.26	+1.24	+1.59	+1.90	+1.74	20388	38103	34173	41232	25597	107625	79510	145788	104919
*	HFA12258	-1.65	-1.24	-1.39	-1.99	-1.65	-3.07	+1.22	-1.57	198762	120647	160905	142933	99725	25382	32405	38747	35396
*	HFA16487	+1.00	+1.17	-1.05	+1.00	-1.15	-1.22	+2.76	+2.82	24000	24000	28009	22935	24000	107684	64711	241731	126990
	HFA14838	+1.24	+1.02	+1.01	+1.05	+1.04	-1.01	+1.10	+1.08	21360	26418	21769	21535	22417	20873	19648	66132	67741
*	HFA16358	+2.16	+1.40	+1.14	-1.12	-1.23	-1.02	+1.20	+1.30	61298	132684	85761	69825	54669	22148	21247	23416	23038
	HFA16773	-1.00	+1.03	+1.00	+1.21	+1.00	-1.39	+1.02	+1.00	22560	22560	23234	22560	27373	49733	59895	73294	79476
	HFA15828	+1.22	-1.06	-1.07	+1.16	+1.02	-1.25	+1.17	+1.24	56728	69311	53698	53046	65555	22560	16279	23108	22560
	HFA17139	+1.84	+1.00	+1.00	+1.03	+1.00	-1.13	-1.02	+1.00	13216	24309	13216	13216	13619	57847	45250	66358	70602
	HFA17882	+1.09	+1.00	+1.00	-1.03	-1.00	+1.01	+1.02	+1.00	21074	23050	21074	21074	20460	13216	11669	12937	13216
*	HFA17800	+2.33	+1.15	+1.10	+1.06	+1.43	-1.59	+1.66	+1.03	77382	179988	89246	84789	81696	20973	21330	21547	21074
	HFA19801	+1.07	-1.25	+1.10	-1.13	-1.02	-1.20	-1.15	+1.17	27620	29638	22011	30462	24404	111033	48533	128240	79339
	HFA19763	+1.13	+1.03	+1.00	-1.08	-1.02	-1.73	-1.03	+1.00	32040	36219	33004	32055	29640	26962	22986	24104	32177
	HFA00041	+1.28	+1.10	+1.00	+1.12	+1.20	+1.28	-1.03	+1.10	15460	19800	17038	15460	17356	31366	18482	31102	32054
*	HFA01010	-1.02	-1.08	-1.05	-1.22	+1.41	-1.43	+1.23	+1.15	87740	85935	81536	83852	71703	18624	19859	14939	17079
*	HFA01394	+2.01	+1.13	+1.00	+1.05	+1.20	-1.20	+1.45	+1.25	26284	52754	29593	26284	27724	123673	61249	108344	101052
	HFA01778	+1.38	-1.02	+1.03	-1.00	-1.05	-1.02	+1.73	-1.06	19520	26900	19194	20068	19507	31553	21940	38211	32850
*	HFA04027	+1.13	-1.38	-1.07	+1.03	-1.27	-1.25	+1.01	-1.01	55630	62786	40276	51996	57166	18586	19213	33706	18341
	HFA05254	-1.04	+1.08	+1.13	+1.07	+1.41	+1.04	+1.76	+1.01	22258	21479	24063	25103	23803	43829	44412	56025	55258
*	HFA05638	+1.59	+1.15	+1.22	+1.36	+1.75	+1.18	+2.15	+1.31	24806	39418	28419	30305	33788	31440	23108	39122	22585
*	HFA07870	+1.62	+1.00	+1.00	+1.00	+1.11	-1.34	+3.37	+1.36	19364	31400	19456	19364	19364	43412	29299	53428	32411
*	HFA08847	+2.83	+1.08	+1.04	+1.06	+1.12	-1.14	+1.94	+1.23	20068	56820	21714	20796	21372	21495	14472	65268	26243
	HFA09231	+2.17	+1.22	+1.00	+1.00	+1.34	+1.06	+1.63	+1.11	17216	37399	20987	17216	17216	22556	17637	38912	24754
*	HFA09615	-1.01	-1.17	+1.51	-1.26	+1.47	+1.10	+1.50	+1.32	224504	222753	192452	338308	177991	23001	18253	28043	19134
	HFA12075	+1.21	+1.02	+1.00	-1.04	+1.40	-1.24	+1.67	+1.17	24340	29423	24862	24340	23380	329543	247337	337229	295372
	HFA12875	+1.52	+1.00	+1.00	-1.00	+1.00	-1.27	-1.06	+1.00	16400	24858	16400	16400	16377	33966	19615	40615	28509
	HFA13259	-1.21	+1.20	+1.03	+1.07	-1.02	+1.19	+1.51	+1.13	21300	17598	25564	21941	22833	16400	12943	15430	16400
*	HFA13643	+1.01	-1.12	+1.02	-1.30	+1.02	-1.31	+1.06	-2.49	1376028	1394703	1223626	1396945	1058391	20863	25344	32184	24161
	HFA14027	+1.12	+1.06	+1.85	-1.06	+1.07	+1.09	+1.74	+1.27	19012	21261	20221	35214	17903	1404751	1047478	1462651	552155
	HFA17428	+1.03	+1.00	+1.00	+1.00	+1.23	-1.48	+1.02	+1.00	16224	16638	16224	16224	16224	20376	20746	33000	24070
	HFA19024	-1.01	-1.17	-1.01	-1.14	+1.01	-1.90	+1.00	+1.02	47162	46580	40142	46674	41282	19883	10932	16474	16224
	HFA20471	+1.00	+1.03	+1.00	+1.00	+1.00	-1.23	+1.09	+1.00	14908	14908	15401	14908	14908	47593	24799	47291	47874
*	HFA21089	+2.83	+1.44	+1.03	+1.75	+1.74	+1.28	+1.85	+1.29	36504	103134	52441	37671	63708	14908	12145	16241	14908
*	HFA15816	-1.06	-1.67	-1.54	-1.56	-1.48	-2.32	-1.55	-1.89	75528	70991	45112	49045	47841	63358	46561	67520	46966
*	HFA04834	+1.15	+1.24	-1.07	-1.01	-1.08	-1.29	+1.22	-1.33	63172	72478	78075	59125	62260	51062	32565	48817	44622
*	HFA00666	-1.16	-1.25	-2.16	-1.86	-2.04	-2.97	-2.24	-2.72	320928	275912	257636	148647	173004	58755	49024	77119	47437
*	HFA03569	-6.44	-8.23	-10.71	-11.43	-8.13	-12.74	-12.09	-16.18	4415448	685954	536502	412337	386233	157571	107885	143222	118189
	HFA04545	+1.52	+1.22	+1.00	+1.06	-1.11	-1.00	-1.01	+1.06	18360	27914	22453	18360	19470	543333	346681	365185	272919
*	HFA07252	-1.28	+1.00	+1.88	+1.25	-1.55	-1.68	+1.28	+3.08	277502	216788	277599	522270	345856	16586	18341	18197	19421
*	HFA06888	-1.03	-1.27	-1.45	-1.28	-1.29	+1.07	+1.19	+1.82	261968	254029	205655	180087	204163	179524	164835	354240	853920
*	HFA08466	+1.86	+2.75	+23.56	+2.56	+7.29	+1.68	+1.10	-1.28	52094	97098	143268	1227548	133100	202844	281502	312149	476640
*	HFA10590	+1.38	-1.05	+1.32	+1.42	+1.38	-1.27	+1.13	-1.10	109822	151318	104958	145170	156150	379662	87419	57059	40553
*	HFA12571	+1.76	+1.04	+2.92	+1.53	+3.09	+1.75	+1.82	+5.90	43536	76703	45173	127293	66448	151873	86757	123926	100120
*	HFA15297	+1.94	-1.27	-1.48	-1.59	-2.61	-4.31	-2.18	-2.94	148368	288219	116989	100418	93275	134667	76130	79399	256997
*	HFA16825	-1.01	-1.27	-1.28	-1.26	-2.02	-3.03	-1.87	-2.99	318654	316314	251199	248357	253206	56907	34464	68184	50393
*	HFA18287	+1.71	+1.70	+3.53	+5.21	+5.48	+3.13	+5.61	+37.73	31446	53626	53469	111080	163738	157594	105174	170820	106629
*	HFA19994	+1.23	+1.03	+1.02	+1.14	+1.54	+1.35	+2.38	+3.38	40844	50117	41981	41542	46622	172259	98445	176440	1186422
	HFA00477	-1.03	+1.01	+1.00	+1.60	+1.16	+2.55	+1.96	+1.76	16402	15916	16567	16402	26264	63065	54967	97389	137857
	HFA03400	-1.14	-1.89	-1.61	-1.72	-2.83	-2.43	-2.28	-1.99	47040	41213	24933	29226	27344	19072	41894	32068	28882
*	HFA00844	+1.61	+1.34	+1.00	+1.52	+1.19	+1.43	-1.10	+2.60	22680	36526	30320	22680	34549	16627	19387	20608	23604
*	HFA03279	+1.04	-1.19	+1.00	+1.05	+1.19	+1.06	+1.29	+9.08	21600	22377	18173	21600	22715	26982	32355	20576	59028
*	HFA04403	+1.33	+1.27	+1.94	+1.34	+1.37	+1.70	+2.29	+3.43	37088	49467	47002	71789	49602	25692	22915	27853	196195
*	HFA06042	-1.12	-2.52	-3.31	-1.57	+1.12	-1.19	+1.05	+1.20	204094	182973	80859	61723	129610	50968	63031	84788	127083
*	HFA07046	+1.41	+1.71	+1.72	+4.69	+4.04	+2.74	+7.50	+33.11	46952	66174	80238	80728	220186	228249	171337	214071	245894
	HFA06583	+1.73	-1.07	+1.00	+1.09	-1.26	-1.38	+1.04	+1.17	23580	40681	22016	23580	25768	189674	128545	352026	1554553
	HFA08352	+1.54	+1.15	+1.80	+1.53	+1.57	+1.54	+1.81	+1.24	27322	42095	31307	49157	41701	18696	17143	24621	27552
	HFA09760	-1.21	+1.07	+1.00	+1.00	+1.00	-1.01	+1.08	+1.03	16654	13770	17804	16654	16654	42783	42022	49546	33955
*	HFA10173	-1.09	-1.14	-1.07	-1.56	+1.10	+1.34	+1.87	+2.53	432888	397072	380021	405072	277622	16654	16419	18057	17100
*	HFA10334	+1.50	+1.44	+6.83	+1.98	+1.09	-1.31	+1.92	-1.25	27880	41843	40106	190522	55070	477672	579001	807941	1095777
	HFA10103	+1.27	+1.36	-1.00	-2.75	-1.18	-1.65	-1.03	-1.25	30120	38193	41003	30060	10951	30480	21295	53590	22370
*	HFA12155	+1.32	+1.08	+1.36	+1.64	+2.25	-1.07	+1.70	+1.49	139332	184473	150322	189194	228394	25539	18248	29192	24117
*	HFA16796	-2.74	-3.27	-4.03	-3.32	-4.39	-7.07	-4.41	-4.64	435760	159023	133177	108161	131113	313171	130678	236971	207910
*	HFA16807	+1.77	+1.09	+1.00	+1.11	+1.00	+2.08	+2.60	+2.29	28334	50282	30878	28334	31461	99240	61679	98874	93843
*	HFA16284	+1.23	-1.55	-2.68	-1.70	-2.26	-3.28	-2.16	-5.26	468188	575860	302340	181118	276079	28334	58946	73594	64783
*	HFA16954	+1.06	+1.11	+1.00	+1.43	+1.15	+1.41	+1.23	+2.34	22670	24084	25121	22670	32438	206839	142948	216593	89008
	HFA15914	+1.30	+1.18	+1.03	+1.34	+1.00	-1.26	+2.09	+2.16	22420	29097	26405	23151	30048	26165	32076	27939	53045
*	HFA17173	+2.02	+1.07	+1.46	+1.20	+1.19	+1.06	+1.48	+1.19	24804	50074	26638	36241	29705	22420	17733	46863	48416
*	HFA18410	+1.80	+1.19	+1.26	+1.51	+1.33	+1.00	+2.07	+1.87	38332	68885	45750	48441	57928	29401	26193	36701	29529
*	HFA18197	+2.07	+1.42	+1.62	+1.36	+1.08	-1.02	+1.48	-1.12	28360	58752	40406	45958	38466	51130	38452	79300	71549
*	HFA20192	+1.54	+1.80	+2.12	+1.35	+1.96	+1.06	+2.27	+1.23	52374	80468	94253	110954	70455	30561	27679	41960	25292
*	HFA19438	+1.45	+1.16	-1.04	-1.18	-1.13	-1.35	-1.04	-1.34	431558	627160	498782	414305	366691	102551	55646	118944	64445
	HFA00065	+1.10	+1.15	+1.03	+1.00	+1.04	-1.25	+1.35	+1.00	16520	18179	19001	16960	16520	383022	319975	415425	322658
	HFA01034	-1.00	+1.00	+1.00	-1.05	+1.00	-1.14	-1.00	+1.00	16720	16720	16720	16720	15877	17242	13260	22362	16520
*	HFA01418	-1.11	+1.00	+1.00	+1.09	+1.28	-1.10	+3.17	+1.00	15960	14394	15960	15960	17393	16720	14715	16720	16720
*	HFA01802	+1.69	-1.10	+1.10	+1.06	+1.18	-1.02	+1.42	+1.33	34240	57957	31267	37707	36407	20503	14555	50586	15960
*	HFA04735	+2.32	+1.66	+1.62	+1.72	+1.88	+1.25	+2.48	+1.98	49946	115772	83114	81046	85730	40437	33460	48711	45489
*	HFA05278	+1.02	+1.70	+2.60	+1.39	+4.51	+3.07	+5.71	+5.23	32224	32741	54659	83790	44719	93915	62544	124045	98949
*	HFA05662	+1.93	+1.05	+1.02	+1.25	+1.25	+1.06	+3.21	+1.21	33160	63907	34958	33888	41486	145328	98956	183911	168394
*	HFA07894	+1.53	+1.13	+1.22	+1.30	+2.13	+1.49	+1.78	+1.31	861824	1316178	972718	1054586	1119850	41378	35107	106563	40240
*	HFA08871	+1.33	-1.09	+1.11	+1.19	-1.02	+1.05	+2.91	+1.40	28332	37638	26049	31588	33583	1836502	1280676	1536507	1130130
	HFA09255	-1.24	+1.00	+1.00	+1.00	-1.14	+1.20	+2.48	+1.05	16916	13688	16916	16916	16916	27664	29753	82383	39777
*	HFA09639	+1.47	+1.28	+1.35	-1.10	-1.20	-1.06	+1.72	+1.45	55468	81500	70827	75005	50462	14857	20227	41886	17816
*	HFA12099	+1.15	+1.01	-1.04	+1.37	-1.01	-1.08	+2.03	+1.20	28160	32268	28480	27134	38608	46318	52473	95525	80186
*	HFA12899	+1.29	+1.41	+1.33	+1.35	+1.82	+1.68	+3.41	+2.06	78432	100962	110801	103935	105708	27856	25993	57227	33806
*	HFA13283	-1.28	-1.11	-1.03	-1.23	+1.00	-1.14	+1.66	+1.12	39400	30722	35361	38420	31956	142593	131829	267673	161268
*	HFA13667	+1.04	+1.35	+4.04	-1.01	+2.87	-1.33	+1.30	-1.24	111904	116614	150913	451883	111240	39400	34479	65339	44032
*	HFA14051	+1.04	+1.02	+1.01	+1.00	+1.11	+1.11	+2.71	+1.11	18900	19692	19188	19098	18900	320952	84268	145200	90243
	HFA17455	+1.27	-1.07	+1.00	+1.06	+1.18	-1.04	+1.50	+1.28	33016	41904	30757	33016	35161	21003	20930	51305	21005
	HFA19048	-1.28	-1.22	+1.00	-1.29	-1.04	-1.30	-1.14	-1.09	40630	31706	33273	40630	31468	39086	31701	49455	42393
*	HFA20613	+1.96	+2.31	+2.29	+1.50	+2.72	+1.62	+1.98	+1.58	29440	57673	67956	67549	44293	39133	31213	35533	37400
	HFA21119	-1.29	-1.42	+1.00	-1.02	+1.34	+1.28	+1.29	+1.08	27082	20954	19122	27082	26608	80168	47693	58401	46655
*	HFA17878	-1.21	+1.05	+1.00	+1.01	+1.05	-1.08	+2.40	+1.26	24240	19978	25437	24240	24406	36212	34546	35001	29298
	HFA08972	-1.04	+1.04	+1.03	-1.06	-1.22	-1.29	+1.65	-1.25	30032	28936	31189	30966	28410	25540	22425	58091	30434
*	HFA00700	+1.15	+1.16	-1.02	-1.07	+1.42	-1.53	-1.01	+1.11	57078	65644	66074	56167	53390	24565	23298	49495	24028
*	HFA03437	-1.33	-1.83	-2.64	-2.52	-5.86	-4.63	-2.49	-3.98	269408	203084	147034	102152	107078	81086	37290	56389	63242
*	HFA04073	+1.72	-1.28	-1.64	-1.57	-1.85	-2.50	-1.43	-1.61	66092	113935	51836	40398	42123	45957	58244	108286	67771
*	HFA07072	+1.72	+1.32	+1.12	+2.08	+1.75	-1.08	+1.48	+1.79	58124	99817	76496	64878	120933	35705	26396	46279	40933
*	HFA07531	+1.34	-1.03	-1.37	-1.17	-1.25	-2.23	-1.46	-1.05	167396	224778	162987	122301	142532	101726	53788	86020	104168
*	HFA09771	-1.89	-1.96	+1.04	-1.13	-1.12	-1.90	-1.57	-1.45	124698	66089	63609	130036	110270	134023	75085	115000	158929
*	HFA10445	+1.11	-1.10	-1.33	-1.09	+1.06	-1.26	-1.08	+1.20	141112	156231	128683	105866	129285	110926	65695	79587	85753
*	HFA12584	+1.04	-1.17	-1.73	-1.37	-2.05	-2.26	-1.45	-1.66	89384	92651	76412	51804	65148	148919	111595	130481	169802
*	HFA16280	+2.61	+5.32	+12.43	+2.22	+3.55	+1.12	+1.32	+2.17	71556	187097	380529	889532	158740	43677	39533	61838	53905
	HFA14528	+1.10	+1.05	+1.00	+1.00	-1.02	+1.43	+1.10	+1.10	17840	19650	18657	17840	17840	253986	80350	94464	155253
*	HFA18712	-1.04	-1.26	+1.17	-1.26	-1.45	-1.79	-1.40	-2.34	3269764	3147377	2586642	3827421	2593164	17552	25535	19567	19670
*	HFA20072	+1.30	-1.00	-1.09	+1.15	+1.39	-1.75	-1.22	-1.50	147046	191289	146812	135365	169209	2248382	1825454	2338544	1396191
*	HFA00437	+1.60	+1.06	+1.14	+1.13	-1.03	-1.30	+1.03	+1.04	33084	52800	35173	37736	37442	204076	83918	120946	98279
*	HFA03566	+1.47	-1.32	-1.93	-1.24	-1.45	-1.47	-1.12	-2.34	71956	106079	54529	37350	57919	32258	25447	33917	34345
*	HFA02520	+1.22	-1.07	-1.45	-1.08	-1.27	-2.19	-1.58	-1.36	101496	123524	94657	69858	94167	49727	48829	64380	30786
*	HFA03618	+2.15	+1.51	-1.18	-1.22	-1.17	-2.92	-1.86	-3.46	353068	759761	534625	299878	289823	79986	46369	64274	74658
	HFA04346	+1.55	+1.21	+1.00	+1.25	+1.65	+1.75	+1.17	+2.01	17200	26696	20771	17200	21470	302160	120974	189345	102036
*	HFA06802	+1.79	+1.02	+2.35	+2.20	-1.49	+1.77	+2.02	+2.75	26622	47571	27162	62446	58453	28394	30029	20072	34597
*	HFA07304	+1.84	+1.01	-1.23	+1.02	-1.46	-1.57	-1.10	-1.03	97772	179546	98799	79808	100090	17875	47084	53729	73162
*	HFA05916	+1.13	-1.01	+1.00	-1.00	+1.00	+1.27	+1.79	+8.95	20360	23029	20161	20360	20316	67193	62131	89208	94508
	HFA08369	-1.67	-1.25	+1.00	+1.03	-1.12	-1.09	+1.03	+1.14	27182	16267	21772	27182	27977	20360	25880	36462	182145
*	HFA09743	+1.71	+1.49	+7.36	+1.50	+2.72	+4.45	+3.13	+1.33	26512	45254	39408	195041	39732	24326	24966	27943	30873
*	HFA11343	+1.43	+1.22	+5.90	+1.07	+3.46	+2.06	-1.22	-1.68	62032	88916	75724	366053	66397	72209	117904	82979	35295
*	HFA10795	+1.49	+2.04	+1.00	+1.31	-1.21	+1.28	+1.70	+3.80	26962	40269	54906	26962	35267	214599	128038	51037	36823
*	HFA10831	+1.22	+1.27	+1.15	+1.29	+1.09	+1.28	+2.76	+1.23	30444	37101	38620	34894	39144	22285	34570	45748	102448
*	HFA12175	-1.01	-1.10	+1.11	+1.07	+48.04	+5.73	+2.47	-1.02	44740	44112	40739	49879	47989	33270	38934	84021	37442
*	HFA14541	+1.67	+2.38	+5.29	+1.33	+1.14	-1.02	+1.40	+1.13	92740	155254	220987	490679	123172	2149347	256349	110427	43790
*	HFA14821	+1.27	+1.13	+1.11	+1.00	+1.21	+1.16	+3.88	+1.58	60088	76446	68009	66594	60088	105579	90739	129990	105260
*	HFA16300	+1.34	+1.38	+3.74	+7.31	+2.16	-1.15	+1.61	+1.50	94164	126479	130028	352196	688654	72569	69919	233074	95233
*	HFA15232	+1.15	+1.14	+1.00	+1.00	+2.11	-1.04	+1.20	+1.42	23760	27285	27169	23760	23760	203439	81764	151827	141022
	HFA14718	+1.30	+1.00	+1.00	+1.02	+1.00	-1.01	+1.01	+1.00	18800	24496	18800	18800	19168	50248	22901	28575	33759
	HFA18622	+1.74	+1.00	+1.00	+1.00	+1.00	+1.00	+1.01	+1.00	15184	26490	15184	15184	15184	18800	18683	19074	18800
	HFA18047	-1.18	-1.06	-1.07	+1.10	+1.24	-1.31	-1.09	+1.19	91836	77625	86784	85571	100951	15184	15184	15405	15184
*	HFA18674	-1.03	-1.41	+1.01	-1.29	+1.16	-1.20	+1.05	+1.00	47920	46399	34096	48313	37232	113460	70359	84572	108902
	HFA20241	+2.50	+1.17	-1.24	-1.03	-1.31	-1.24	+1.40	+1.09	53896	134747	63133	43383	52088	55454	39822	50399	47920
	HFA19568	+1.64	+1.00	-1.00	-1.06	+1.00	-1.14	+1.10	+1.03	20560	33721	20560	20492	19351	41289	43609	75553	58911
*	HFA00089	+1.33	+1.06	+1.09	+1.27	+1.40	+1.12	+2.18	+1.39	33924	45158	35839	36926	43102	20560	18026	22549	21086
	HFA01058	+1.38	+1.03	+1.00	-1.01	+1.53	+1.01	+1.92	-1.01	22514	31012	23266	22514	22352	47531	38017	73872	47150
	HFA01442	+1.44	-1.04	+1.00	+1.24	-1.19	+1.00	+1.14	+1.22	22160	31854	21243	22160	27457	34405	22834	43304	22257
*	HFA01826	+3.59	+1.22	+1.00	+1.35	+1.61	+1.24	+1.86	+4.26	21874	78633	26785	21874	29618	18678	22178	25178	27125
	HFA04759	-1.49	-1.11	-1.00	+1.03	+1.03	+1.01	+2.62	+1.06	34676	23279	31150	34583	35607	35258	27117	40782	93289
*	HFA05302	+1.51	-1.01	-1.04	+1.00	+1.27	-1.11	+2.43	+1.14	21128	31815	20823	20238	21128	35740	35148	90956	36841
	HFA05686	+1.49	+1.19	+1.02	+1.06	+1.30	+1.74	+2.33	+1.74	15400	22878	18275	15778	16279	26890	19019	51433	24063
	HFA07918	+1.62	+1.05	+1.06	+1.00	+1.23	+1.19	-1.05	+1.00	15280	24735	16055	16199	15280	19998	26729	35921	26763
*	HFA08895	-1.32	-1.54	-1.17	-1.21	-1.42	-1.62	+1.66	-1.28	31444	23776	20372	26873	25904	18782	18158	14578	15280
	HFA09279	+1.34	+1.26	+1.00	-1.08	+1.09	-1.04	+1.94	+1.07	22520	30152	28407	22520	20926	22098	19378	52100	24645
	HFA11418	-1.23	-1.02	+1.10	+1.03	+1.31	+1.22	+1.67	+1.15	19160	15616	18728	20994	19790	24511	21731	43783	24139
	HFA12390	+1.55	-1.00	+1.00	+1.00	+1.00	+1.20	+2.03	-1.03	19548	30215	19520	19548	19548	25153	23349	32043	21940
	HFA12923	+1.11	+1.05	+1.00	+1.00	+1.14	+1.04	+2.40	+1.18	19144	21345	20158	19144	19144	19548	23480	39760	18973
	HFA13307	+1.17	-1.03	+1.01	-1.01	+1.13	+1.29	+1.37	+1.00	19122	22378	18586	19384	18899	21844	19942	45876	22513
*	HFA13691	-1.27	-1.22	-1.06	-1.42	-1.29	-2.45	-1.69	-2.43	374574	293957	307690	353742	262919	21596	24636	26152	19160
*	HFA14075	-1.01	-1.19	-1.07	-1.12	-1.04	-1.72	-1.15	-1.16	113078	112238	94965	106063	101338	290723	152916	221200	153884
*	HFA17481	-1.93	-1.94	-1.89	-2.21	-2.11	-3.28	-1.79	-3.30	672990	349530	346089	397916	303941	108521	65659	98210	97874
	HFA19072	+1.11	+1.00	+1.00	+1.00	+1.00	-1.01	+1.21	+1.00	16600	18429	16600	16600	16600	318777	204887	375788	203859
	HFA20671	+1.15	+1.00	-1.01	+1.00	+1.06	+1.41	+1.34	+1.08	13180	15097	13180	13087	13180	16600	16457	20139	16600
*	HFA21147	+3.25	+1.83	+1.20	+1.91	+1.98	+1.82	+2.01	+1.70	20586	66820	37586	24660	39356	13951	18625	17714	14262
*	HFA18695	-1.03	-2.25	-3.34	-2.89	-1.69	-5.10	-4.38	-8.14	308510	298842	137356	92273	106612	40706	37440	41326	34930
	HFA09582	-1.20	+1.09	+1.06	-1.14	+1.13	-1.05	+1.74	+1.23	24476	20403	26614	25920	21388	182032	60520	70398	37889
*	HFA00731	-2.44	-4.91	-11.75	-6.93	-14.54	-23.47	-9.43	-18.96	548520	224797	111626	46664	79115	27536	23308	42666	30053
*	HFA03548	+1.33	-2.84	-8.16	-4.21	-4.95	-8.06	-4.47	-7.66	571634	760471	201123	70083	135763	37722	23375	58153	28927
*	HFA04112	+1.79	-1.28	+1.05	-1.11	-1.30	-1.40	-1.12	+1.04	48234	86248	37755	50693	43386	115488	70960	127934	74454
	HFA07271	+1.25	-1.54	+1.08	+1.04	-1.95	-1.65	-1.33	+1.05	38090	47665	24734	41161	39465	37100	34499	43033	50155
*	HFA06893	+1.68	-1.01	+1.00	+1.68	+2.00	+1.51	+1.39	+2.47	21634	36325	21369	21634	36399	19507	23310	28692	39925
*	HFA09733	+1.32	+1.32	+1.11	-1.42	-1.77	-2.92	-1.41	-1.71	181014	239438	238232	201829	127713	43197	32590	30126	53354
	HFA11396	+1.66	+1.25	+1.00	+1.32	+1.00	-1.05	-1.06	+1.07	23140	38357	28945	23140	30446	102294	62085	128118	105983
*	HFA16527	+2.27	+1.32	-1.27	-1.32	-2.10	-2.15	-1.30	-1.63	100134	227122	131967	78980	75970	23140	21990	21774	24739
*	HFA16922	+1.94	+1.20	+1.24	+1.13	+1.27	-1.27	+1.00	-1.41	253064	492083	302825	313985	287015	47724	46532	76995	61263
*	HFA16839	+1.04	-1.84	-2.10	-1.32	-1.99	-2.92	-1.71	+1.08	142434	147719	77421	67739	108074	321996	199204	253511	180056
	HFA18111	+1.03	-1.03	-1.18	-1.27	-1.43	-2.42	-2.03	-1.16	38080	39273	36985	32138	30017	71684	48827	83067	153597
*	HFA19583	+1.06	-1.22	-2.49	-1.49	-3.12	-5.39	-1.68	-3.88	169916	179569	138823	68209	114355	26565	15749	18728	32828
*	HFA00454	+1.87	+1.02	-1.21	-1.47	-1.27	-2.21	-1.51	-1.99	137558	256605	140646	113255	93890	54506	31515	101147	43841
*	HFA03257	+1.42	-1.00	+1.19	+1.28	+1.19	-1.25	+1.05	+1.64	38656	54728	38531	45979	49449	108296	62328	91214	69017
*	HFA03012	+1.28	-2.22	-5.04	-1.86	-2.83	-8.69	-5.05	-4.65	153346	196028	69187	30435	82555	45939	30941	40512	63454
*	HFA02308	+1.20	+1.57	+2.17	+1.31	+1.72	+1.51	+1.54	+1.73	40148	48158	63200	87281	52417	54152	17646	30385	32951
*	HFA04585	+1.42	+1.18	+1.00	+1.15	+2.47	+2.40	+1.91	+4.35	22174	31526	26245	22174	25503	68956	60433	61860	69572
*	HFA06844	-1.05	-2.34	-4.96	-2.06	-5.48	-5.84	-3.22	-3.16	321456	305682	137491	64787	156086	54798	53309	42439	96393
	HFA06300	+1.47	+1.12	+1.00	+1.14	+1.31	-1.43	-1.04	-1.04	36756	54104	41127	36756	41902	58613	55086	99842	101008
	HFA07316	+1.70	-1.07	+1.00	+1.11	+1.23	+1.69	+1.18	+2.05	23414	39788	21961	23414	25936	48209	25709	35426	35329
	HFA08673	+1.85	+1.18	+1.14	+1.83	+1.09	+1.04	+1.51	+1.37	25280	46874	29926	28726	46379	28890	39590	27679	48005
*	HFA11401	-1.10	-1.27	-2.15	-1.78	-2.56	-2.43	-1.64	-2.66	526612	477700	415230	245136	296288	27545	26294	38278	34693
*	HFA10642	+1.08	+1.19	+1.00	+1.42	+1.90	+2.55	+2.70	+2.30	25074	27151	29842	25074	35505	205648	218147	321945	197629
*	HFA11149	-1.08	+1.00	+1.00	+1.00	+57.28	+1.86	+2.06	+1.00	14028	12953	14028	14028	14028	47544	63953	67646	57724
*	HFA10689	-1.06	-1.26	+1.00	-4.18	+1.00	+1.05	-1.00	+5.48	24052	22652	19162	24052	5748	803552	26039	28958	14028
*	HFA12521	+1.29	-1.11	+1.00	+1.07	+1.09	-1.06	+1.70	+1.00	30114	38792	27140	30114	32289	24052	25207	24052	131776
	HFA16674	+1.14	+1.00	-1.06	+2.75	+2.08	-1.83	+1.83	-1.47	223724	254735	223724	211737	616164	32754	28432	51073	30114
*	HFA16428	+3.53	+1.89	+2.97	+1.22	+4.27	+1.79	+2.08	+2.06	55514	196066	105098	165000	67840	466360	121938	409720	152154
*	HFA14766	+1.46	+1.00	+1.02	+1.46	+2.00	-1.53	+1.13	+1.08	247420	360126	248134	252862	360686	237128	99197	115498	114430
*	HFA14234	+1.10	-1.07	+1.23	+1.04	+2.24	+1.69	+1.97	+2.09	72300	79498	67633	89114	75395	494591	161349	279499	266973
	HFA14567	+1.06	-1.03	+1.04	+1.24	-1.01	-1.18	+1.49	+1.05	31956	34001	30893	33236	39720	161783	122073	142292	151367
*	HFA17898	+1.38	-1.14	+1.44	-2.57	-2.26	-2.11	-1.35	-1.66	140540	193292	123353	202496	54584	31487	27147	47722	33536
*	HFA18087	-1.04	-1.16	-1.05	-1.20	-1.16	-1.32	-1.27	-1.58	1435764	1381501	1241505	1370430	1198667	62132	66700	104148	84658
*	HFA18695	+2.27	-1.06	+1.00	+1.00	-1.30	-1.11	-1.01	+1.00	22294	50677	21067	22294	22294	1237551	1089096	1126723	907905
*	HFA19983	+1.43	-1.00	+1.20	+1.15	+1.45	-1.91	+1.24	+1.04	160018	228294	159757	191996	184585	17168	20057	21982	22294
*	HFA20306	+1.16	+1.20	+1.35	+1.34	+1.50	-1.03	+2.27	+1.43	37248	43382	44555	50101	49937	231628	83730	199094	165947
*	HFA00113	+1.64	+1.12	+1.43	+1.27	+1.70	+1.55	+2.01	+1.80	56164	92179	62725	80238	71467	55773	36024	84723	53159
	HFA01082	-1.17	-1.16	+1.00	-1.10	-1.09	-1.06	+1.03	+1.00	24804	21113	21389	24804	22488	95754	87241	113106	101007
*	HFA01466	+1.99	+1.01	+1.00	-1.00	+1.48	+1.05	+2.28	+1.11	33796	67260	34087	33796	33688	22762	23329	25617	24804
*	HFA03642	+6.78	+4.64	+3.58	-1.01	+2.39	+1.06	+1.14	-1.43	1724440	11693348	8002589	6170949	1699824	49878	35597	77052	37486
*	HFA04783	+1.85	+1.41	+1.48	+1.46	+2.38	+1.35	+2.87	+1.57	93222	172628	131446	137509	135955	4128571	1836409	1961573	1202289
*	HFA05326	-1.08	+1.31	+1.36	+1.00	+1.15	+1.39	+3.41	+1.78	20982	19513	27481	28465	20982	221960	125473	267480	146609
*	HFA05710	-1.06	-1.32	+1.00	+1.00	+1.02	+1.19	+3.20	+1.50	22410	21099	16984	22410	22410	24038	29100	71470	37431
*	HFA07942	+1.54	-1.07	+1.04	+1.22	+1.13	-1.20	+2.57	+1.33	61628	94881	57355	64180	74951	22889	26566	71687	33681
*	HFA08919	-1.24	+1.21	+1.60	-1.42	+1.15	-1.28	+1.82	-1.69	2984248	2400917	3618939	4768418	2105881	69536	51504	158493	82082
*	HFA09303	-1.06	+1.04	+1.00	+1.21	+1.40	+1.70	+2.42	+2.52	25810	24461	26847	25810	31321	3436971	2325591	5423482	1767428
	HFA11442	+1.26	+1.07	+1.00	+1.02	-1.03	+1.10	+1.03	+1.22	22840	28872	24367	22840	23348	36161	43776	62384	65027
	HFA12414	+1.72	+1.10	+1.00	+1.16	+1.42	+1.04	+1.69	+1.00	27520	47302	30378	27602	31983	22145	25152	23499	27778
*	HFA12947	+1.15	+1.16	+1.00	+1.38	+1.03	+1.61	+4.53	+1.77	22880	26239	26464	22880	31496	39095	28577	46527	27520
*	HFA13331	+1.00	+1.04	+1.00	+1.06	+1.00	-1.07	+3.00	+1.00	19908	19908	20742	19908	21015	23457	36893	103561	40406
*	HFA13715	-1.24	+1.06	+1.58	+1.00	+2.51	+2.19	+4.01	+3.22	23760	19187	25170	37645	23760	19908	18675	59811	19908
*	HFA17110	+1.42	+1.03	+1.29	+1.53	+1.13	+1.66	+2.97	+1.29	23760	33806	24491	30569	36412	59676	51992	95228	76523
*	HFA17508	-1.07	-1.32	+1.38	-1.32	-1.51	+1.01	+1.07	-1.65	69296	64813	52416	95366	52608	26852	39392	70587	30561
*	HFA19096	-1.20	-1.00	+1.41	+3.28	+1.65	-1.40	+1.45	+1.34	708266	589571	706411	997245	2324460	45867	69677	74161	41989
*	HFA20720	-1.16	-1.47	-2.16	-2.82	-2.51	-3.79	-1.28	-5.11	245310	211342	167020	113464	86947	1165937	506390	1027149	948946
	HFA21178	-1.08	+1.27	+1.00	+1.11	+1.15	+1.06	+1.44	+1.02	19878	18416	25208	19878	22002	97711	64749	192123	47966
*	HFA20385	-1.11	-1.03	-1.05	+1.00	-1.09	+2.09	+2.21	+8.55	27540	24909	26679	26347	27540	22768	21134	28598	20185
*	HFA08718	+1.07	+1.00	+1.34	-1.18	-1.34	-1.42	+1.15	-1.98	77214	82287	77214	103475	65441	25245	57687	60813	235333
	HFA13002	+1.23	+1.10	+1.03	+1.30	-1.06	+1.04	+1.31	+1.21	29512	36275	32387	30541	38345	57461	54265	88638	39075
*	HFA00615	+1.23	-1.31	-1.43	-1.37	-1.81	-1.87	-1.26	-1.42	106124	130589	80743	74330	77678	27832	30761	38791	35810
*	HFA02420	-1.07	-1.18	-1.06	-1.32	-1.24	-1.56	-1.25	-2.05	1098096	1022525	930095	1037375	829268	58611	56659	84532	74694
*	HFA04473	+1.47	-1.23	-1.80	-2.12	-3.29	-5.44	-2.15	-2.26	153378	225585	124303	85133	72377	887887	703596	879242	535814
*	HFA06478	-1.57	-1.63	-1.51	-1.68	-1.42	-2.96	-1.87	-1.83	407040	259522	249140	269482	241770	46639	28201	71243	67882
*	HFA07411	+1.22	-1.03	-1.22	-1.09	-1.57	-1.74	-1.67	-1.21	157040	191481	152596	129172	143506	287630	137396	217525	221829
	HFA10193	-1.04	+1.03	+1.00	+1.19	-1.31	+1.41	-1.48	+1.00	15240	14707	15628	15240	18103	99889	90490	94031	129649
*	HFA10624	+1.09	-1.26	-1.37	-1.18	-2.06	-1.81	-1.15	-2.08	241406	263471	190955	176552	203854	11660	21451	10278	15240
*	HFA17077	-1.05	+1.00	-1.72	-1.11	-2.14	-2.58	+1.24	-4.92	77456	73613	77456	45043	70023	116929	133255	209925	115844
*	HFA15576	+1.04	-1.28	-1.09	-1.52	-1.77	-3.29	-1.92	-1.81	266072	275716	207130	245022	175337	36232	29988	95759	15750
*	HFA16324	-1.60	-2.07	-1.65	-1.95	-2.23	-3.65	-1.71	-1.71	165538	103218	80155	100088	84746	150460	80840	138334	147366
	HFA17772	-1.22	+1.10	+1.09	+1.04	+1.15	-1.59	-1.28	+1.22	24760	20300	27270	26985	25786	74136	45360	96727	97004
*	HFA20514	+1.40	-1.26	-2.28	-1.53	-1.91	-4.08	-1.97	-3.23	224960	313979	178103	98641	147436	28431	15558	19332	30280
*	HFA00464	+1.99	+2.42	+19.64	+2.17	+5.16	+7.63	+5.54	+5.62	77134	153464	186609	1514527	167574	117997	55104	114433	69592
*	HFA02560	+1.72	-1.16	-1.33	+1.15	-1.78	-1.28	+1.26	+3.54	39622	68103	34304	29843	45441	397700	588550	427059	433365
*	HFA01893	+1.55	+1.18	-1.00	-1.28	-1.27	-1.69	-1.21	-1.04	110894	171866	130713	110728	86707	22248	30868	49886	140227
*	HFA02703	+1.22	-1.09	-1.29	-1.15	+1.89	-1.29	-1.22	-1.14	94354	114783	86713	72884	82154	87255	65469	91930	107052
*	HFA04678	+1.56	+1.37	-1.23	+1.12	-1.03	-1.15	+1.43	-1.24	103308	161656	141228	84114	115295	178618	72926	77219	82807
*	HFA07238	+1.36	+1.06	-1.62	-2.39	+1.07	-2.21	-1.70	-1.42	268600	364441	284263	166272	114318	99886	90196	148158	83282
*	HFA06289	+1.08	-3.50	-2.67	-3.83	-4.45	-5.08	-2.72	-3.60	143768	155357	41054	53921	37536	286464	121489	158307	188772
*	HFA07004	+1.27	-1.45	-1.82	-2.03	-1.96	-1.44	-1.31	-2.04	120740	153903	83138	66223	59535	32309	28323	52870	39950
*	HFA07842	-1.04	-1.40	-2.03	-1.70	-1.95	-1.70	-1.82	-1.73	57642	55168	41266	28349	33990	61466	83646	92458	59190
*	HFA10343	+7.34	+2.05	+4.88	+13.18	+3.11	+1.91	+2.07	+1.76	27016	198398	55418	131895	356185	29613	34006	31727	33405
*	HFA10614	+1.12	-1.05	-1.00	+1.11	+3.23	+1.97	+2.04	+2.34	34144	38156	32534	33983	37759	83907	51543	55962	47436
*	HFA10215	+1.67	+1.98	+1.02	+1.12	+2.91	-1.18	+2.01	+1.00	22854	38121	45186	23374	25638	110301	67169	69705	79989
*	HFA11740	+1.34	+1.50	+1.00	+1.21	+1.42	+1.63	+2.45	+3.69	29020	38983	43396	29020	35090	66537	19401	45963	22854
*	HFA12491	+1.63	+1.39	+1.33	+1.28	+1.41	+1.04	+1.51	+1.08	90662	147803	126116	120763	115827	41144	47417	71099	107227
*	HFA16720	+1.02	-1.06	+1.11	+1.45	+1.46	-1.02	+1.45	+1.03	47574	48748	44992	52685	69046	127553	94666	136675	98159

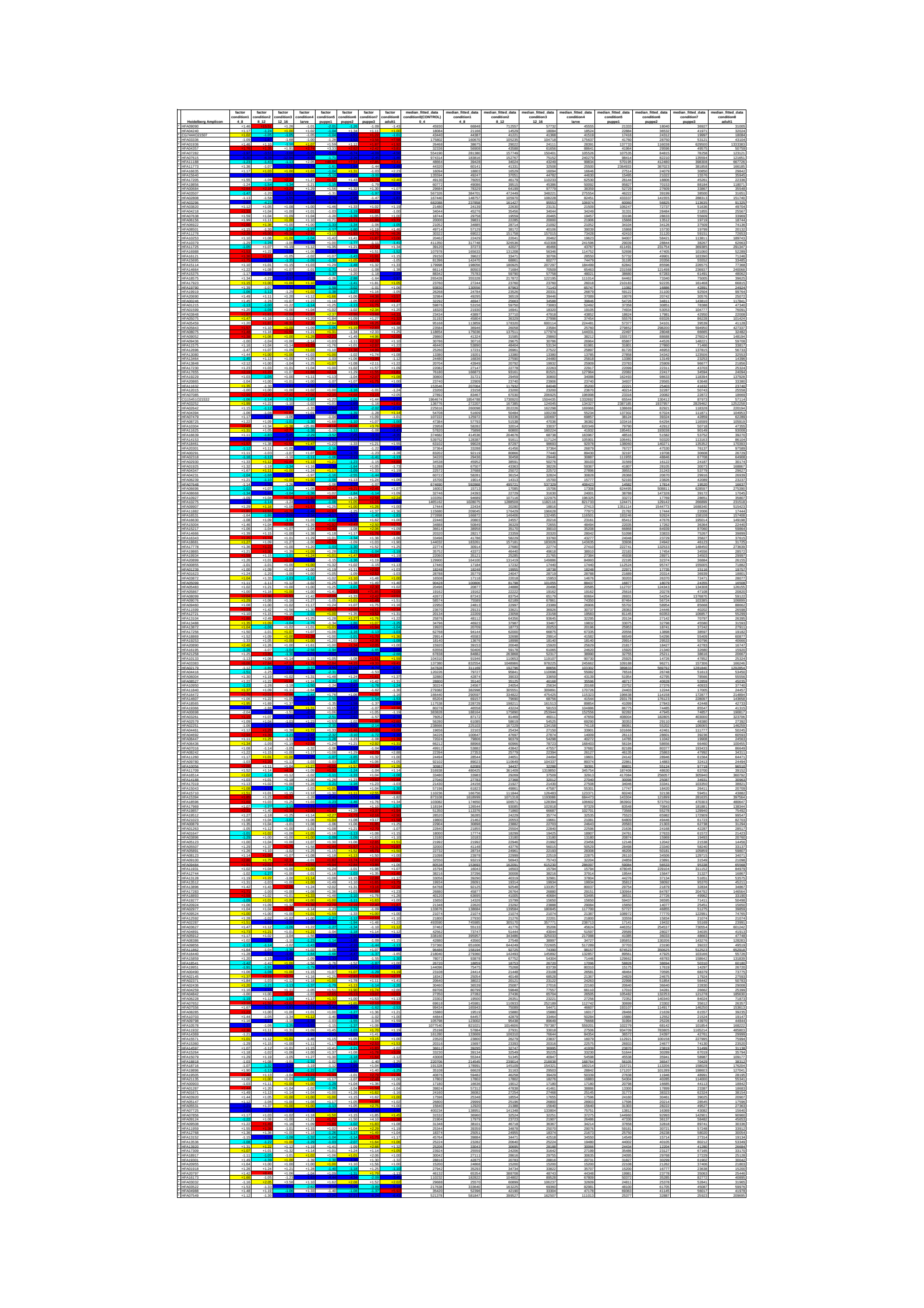


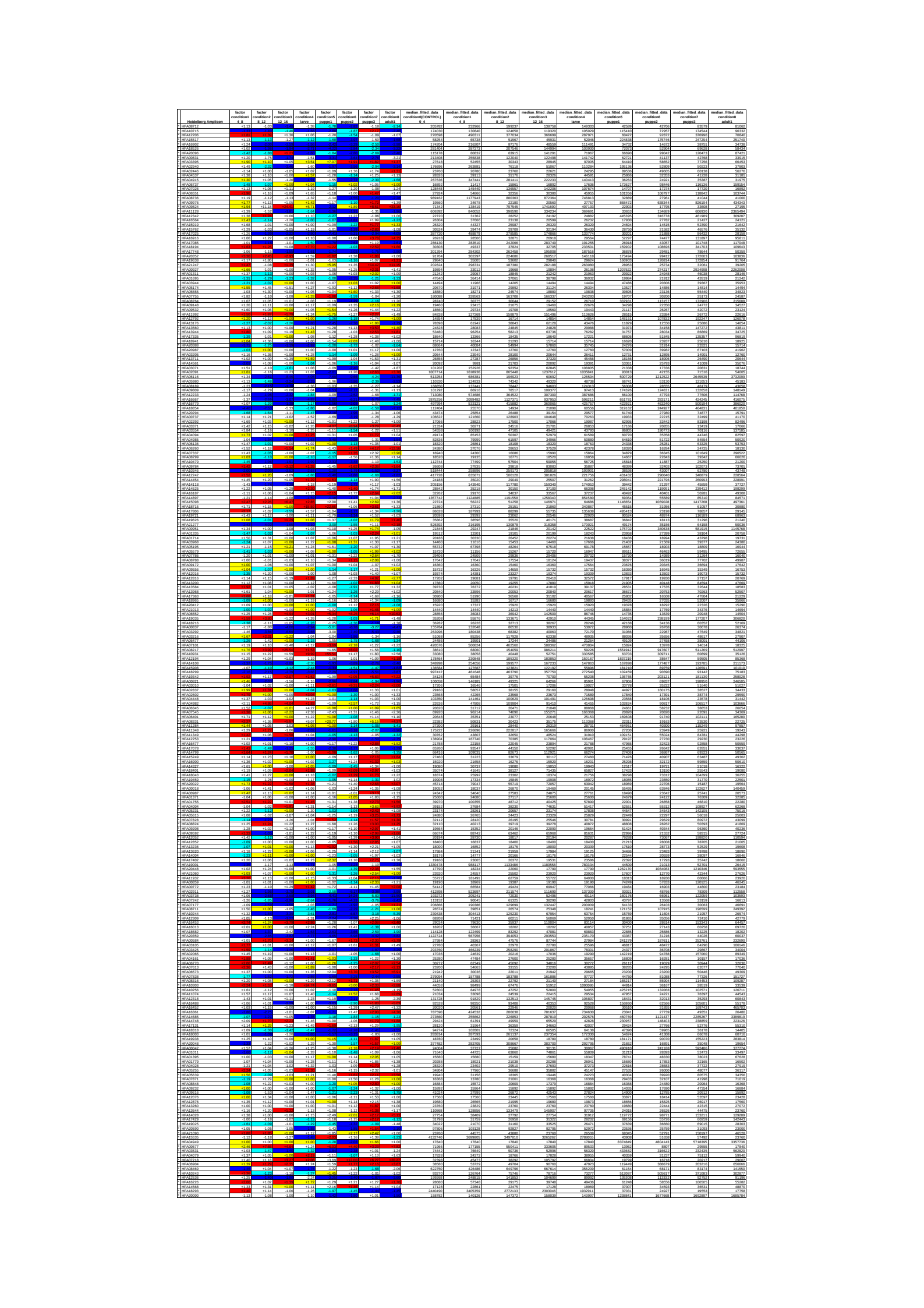


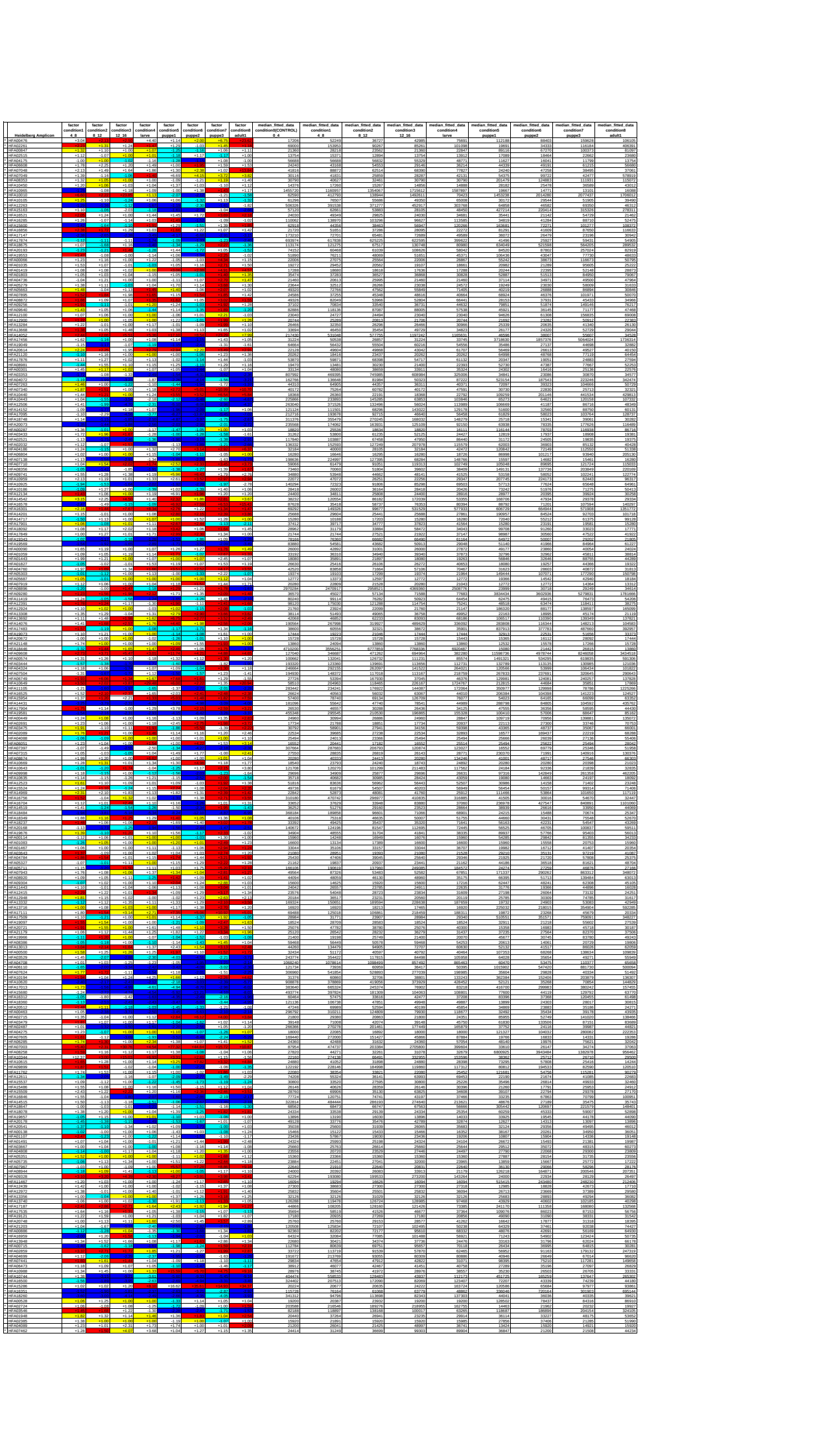


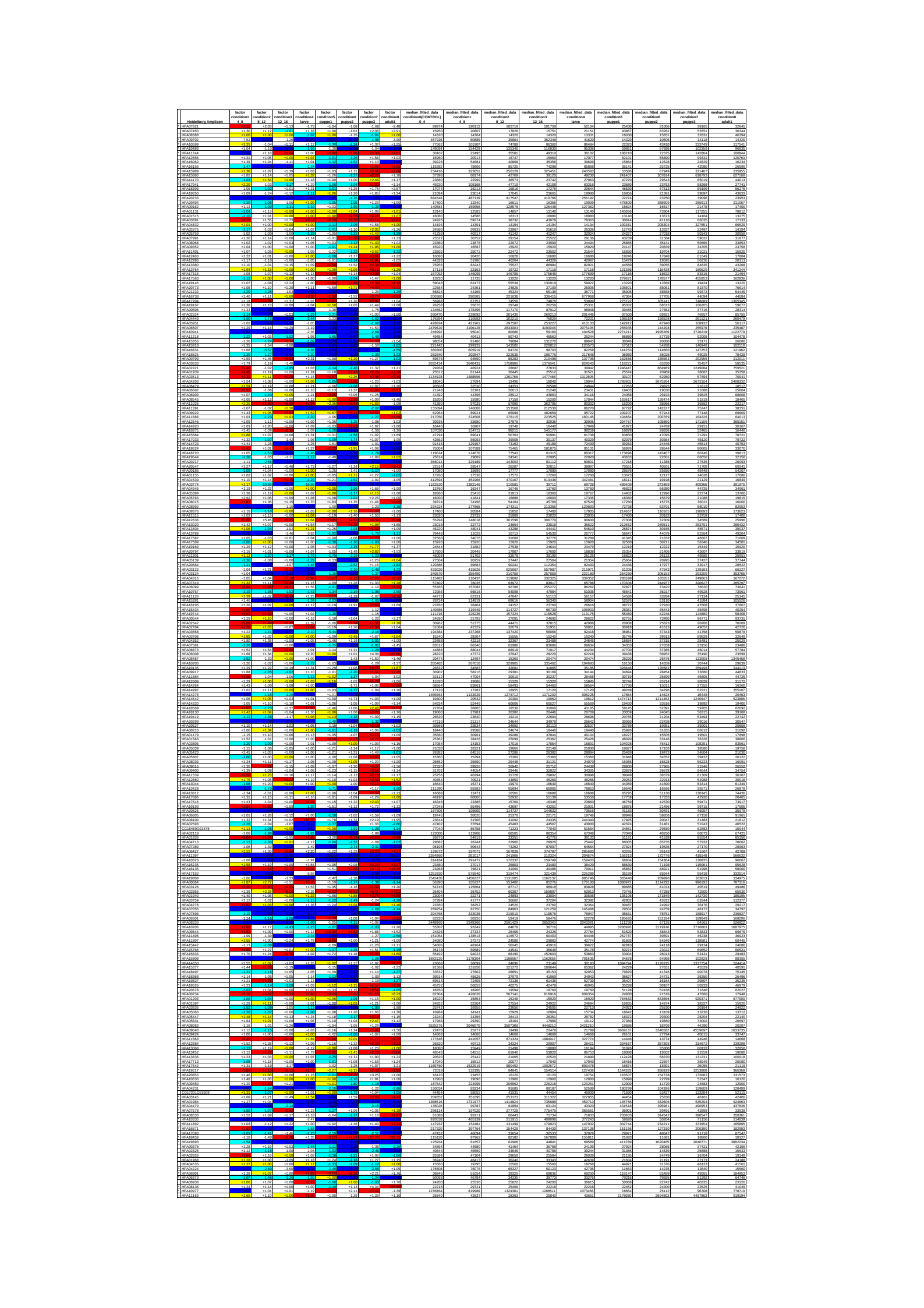


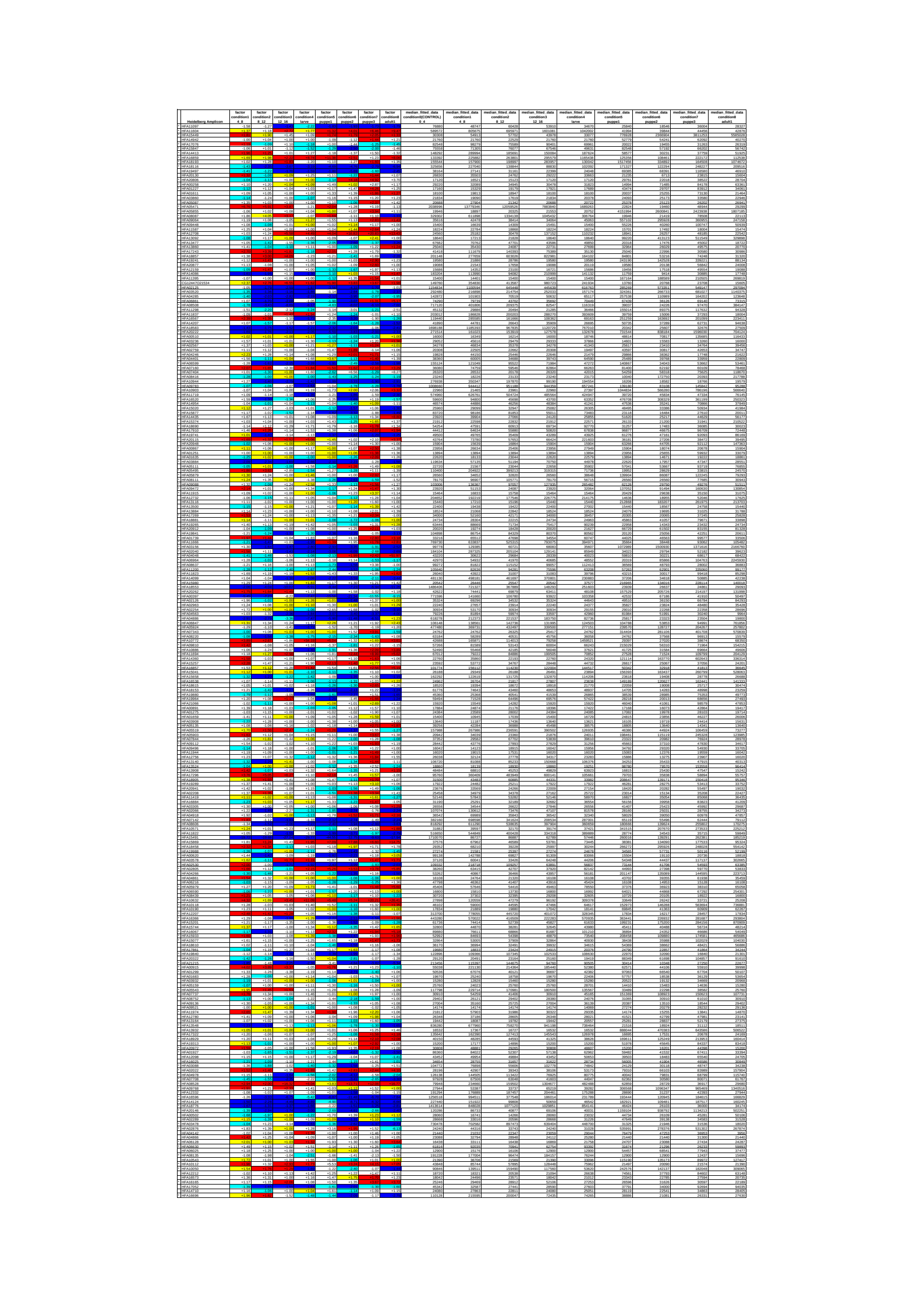


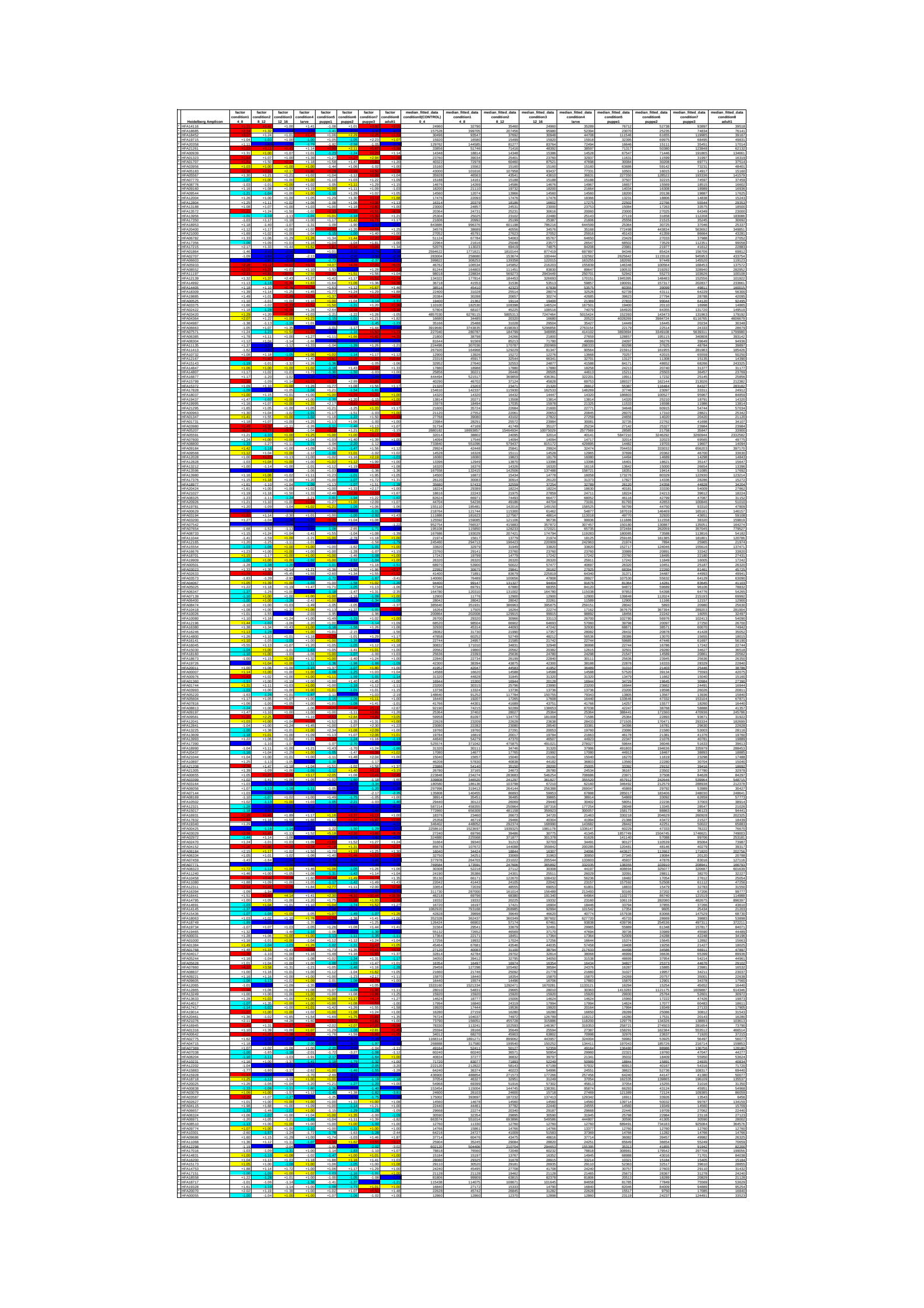


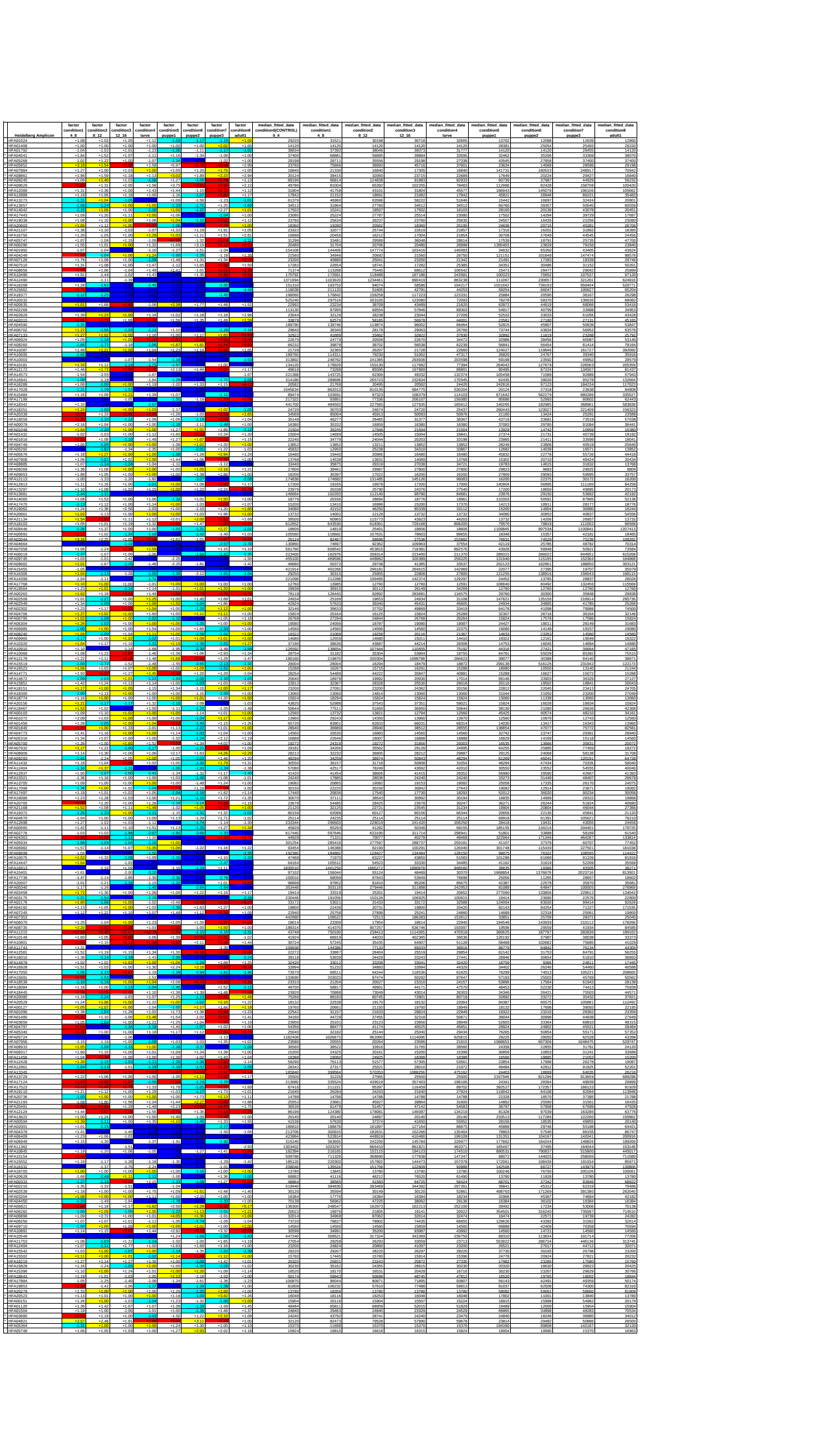


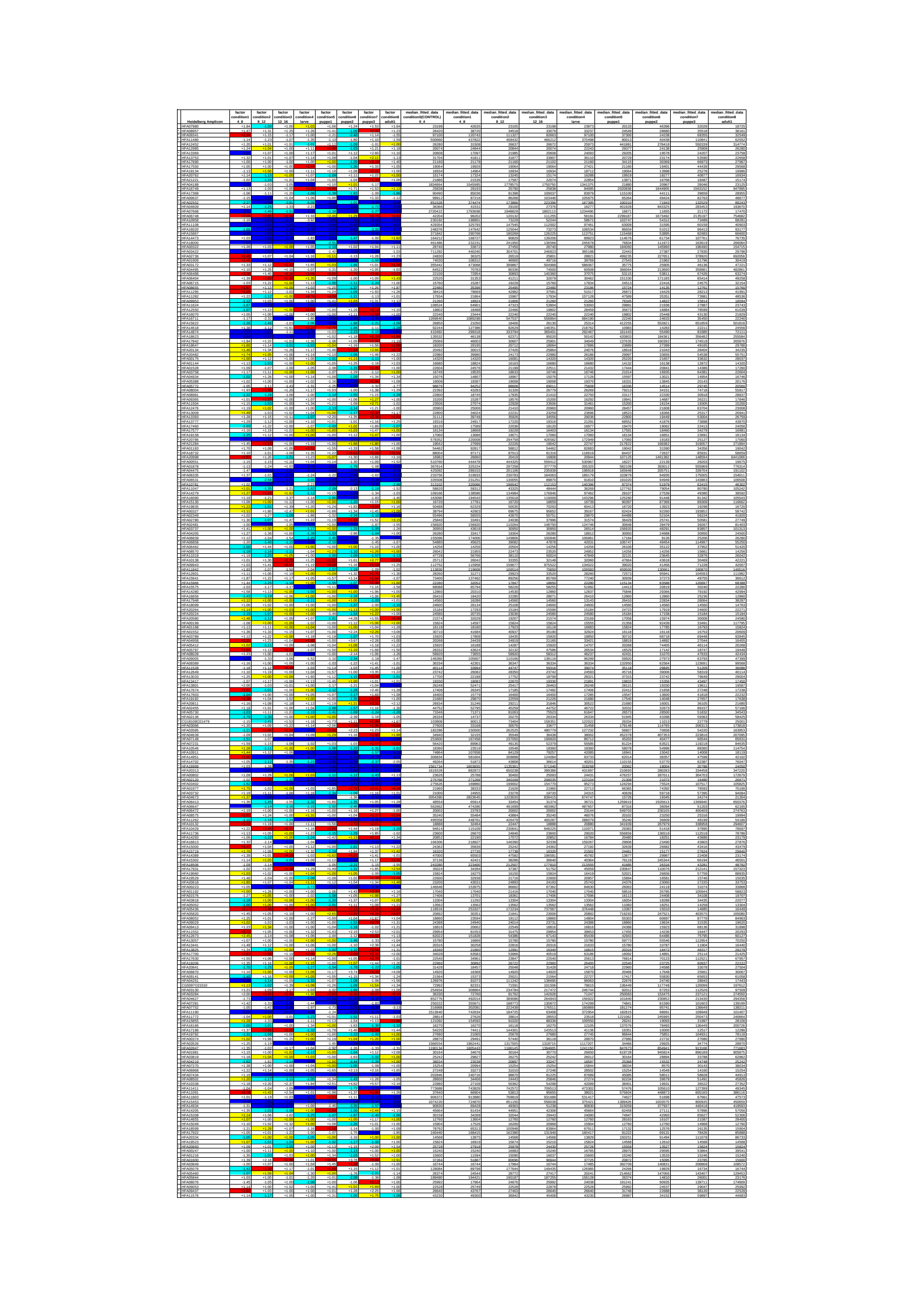


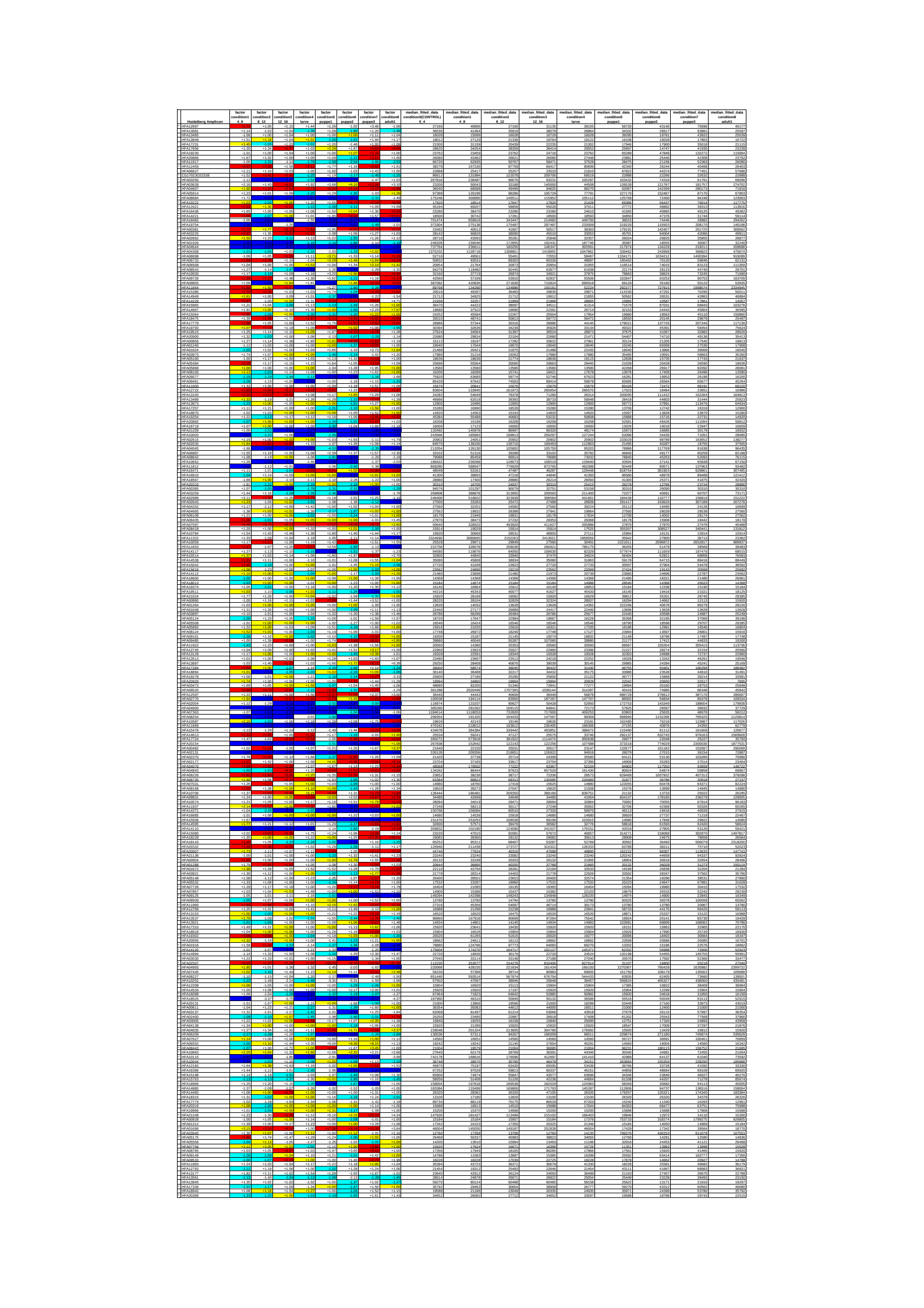




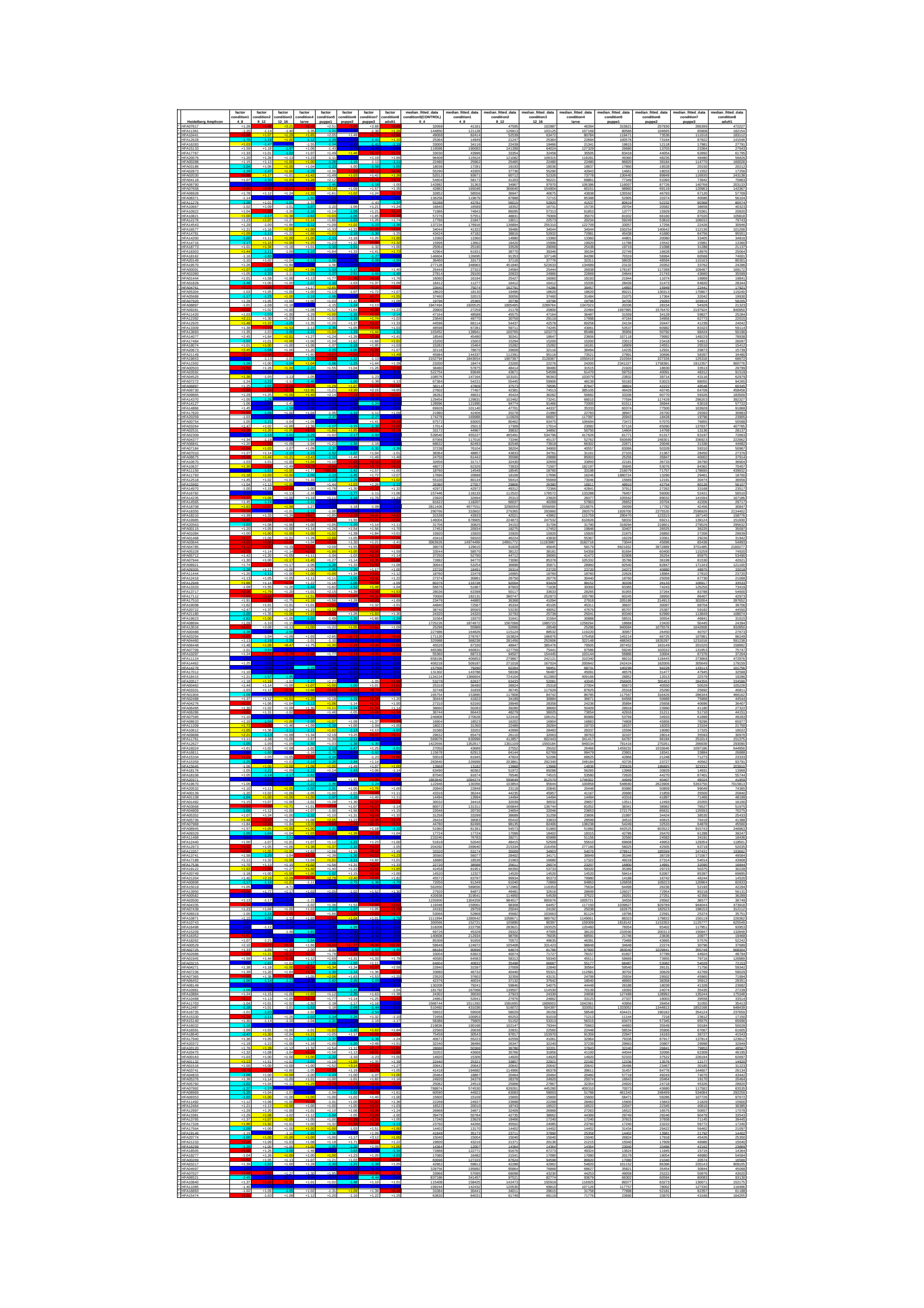


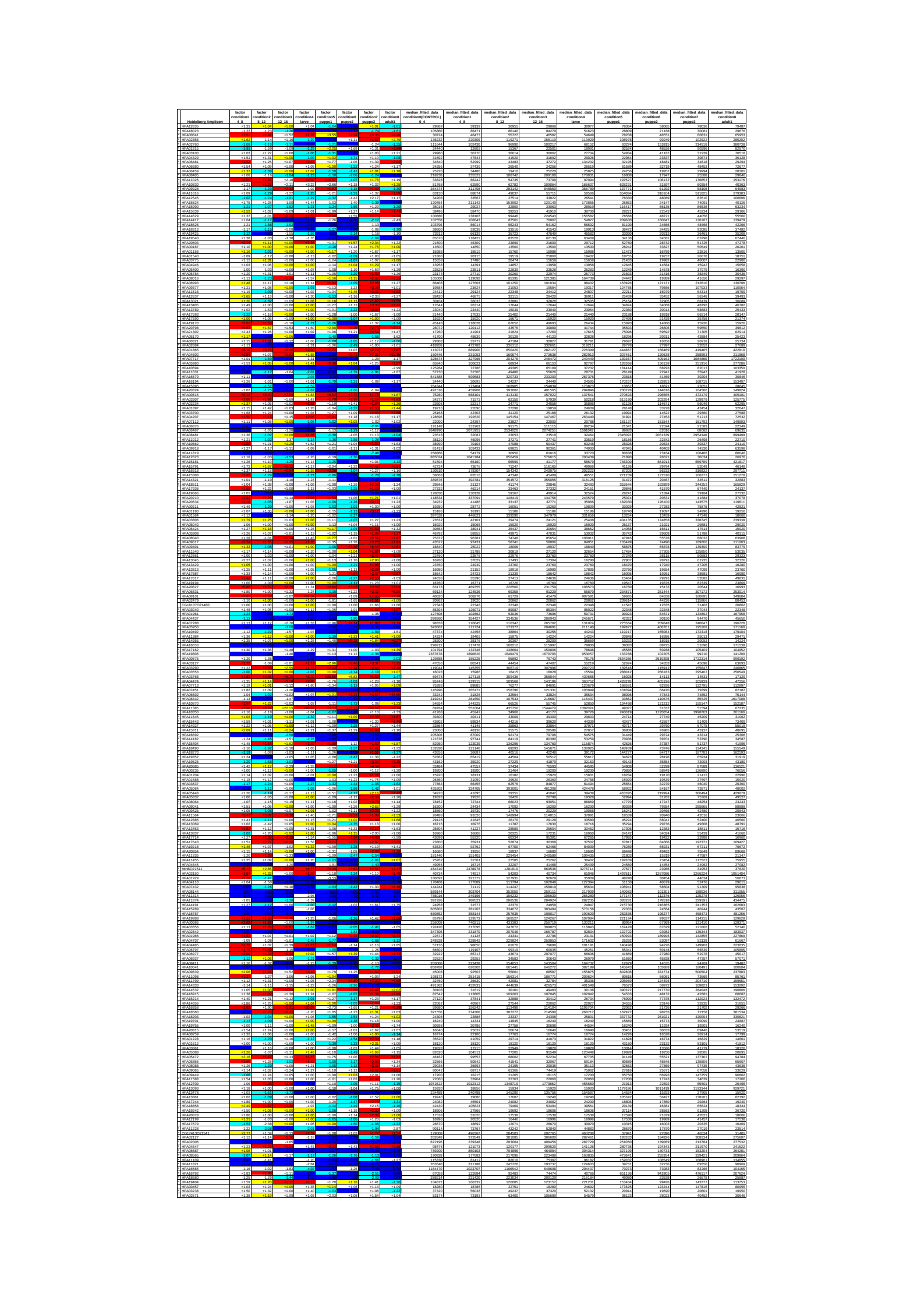


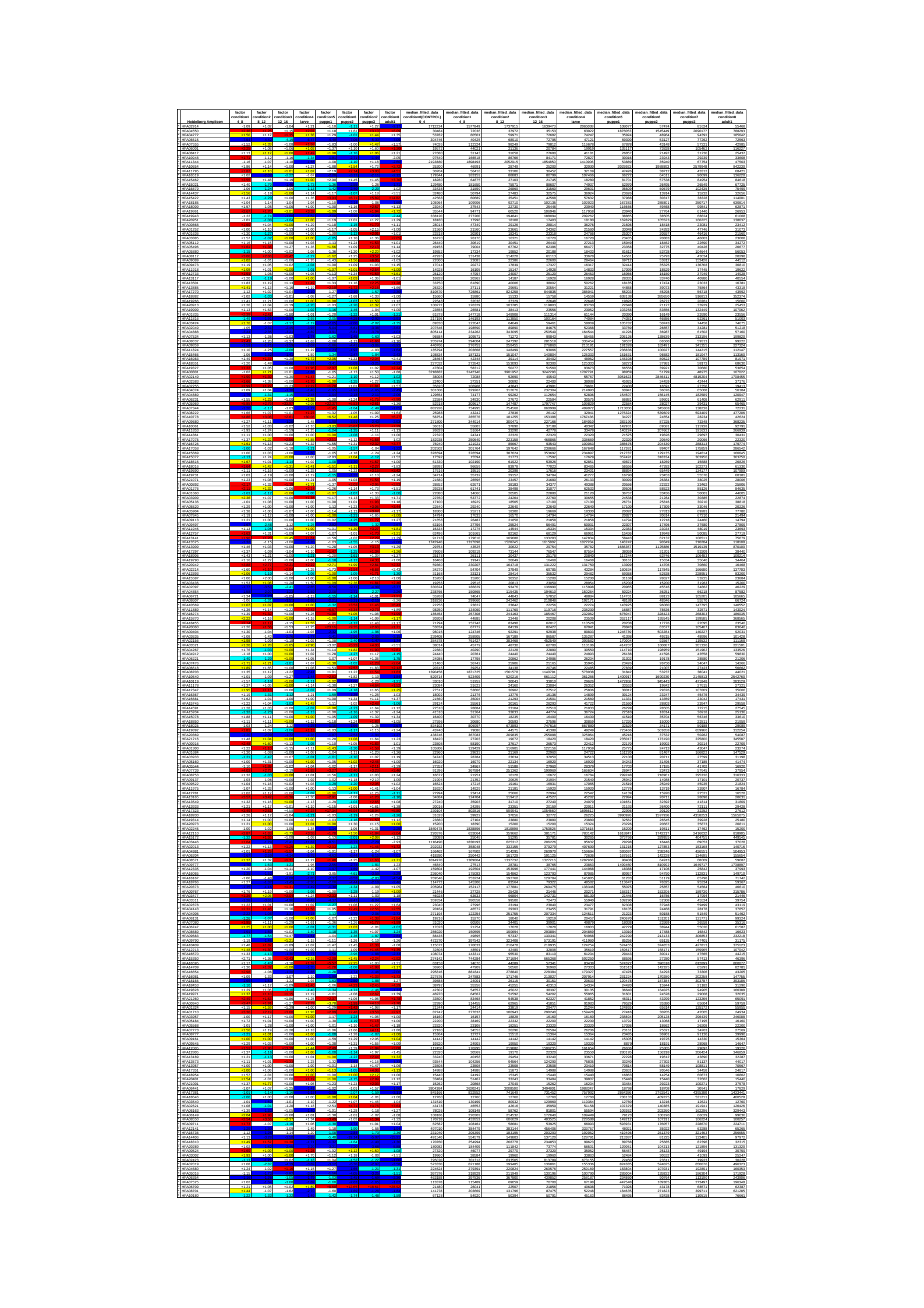


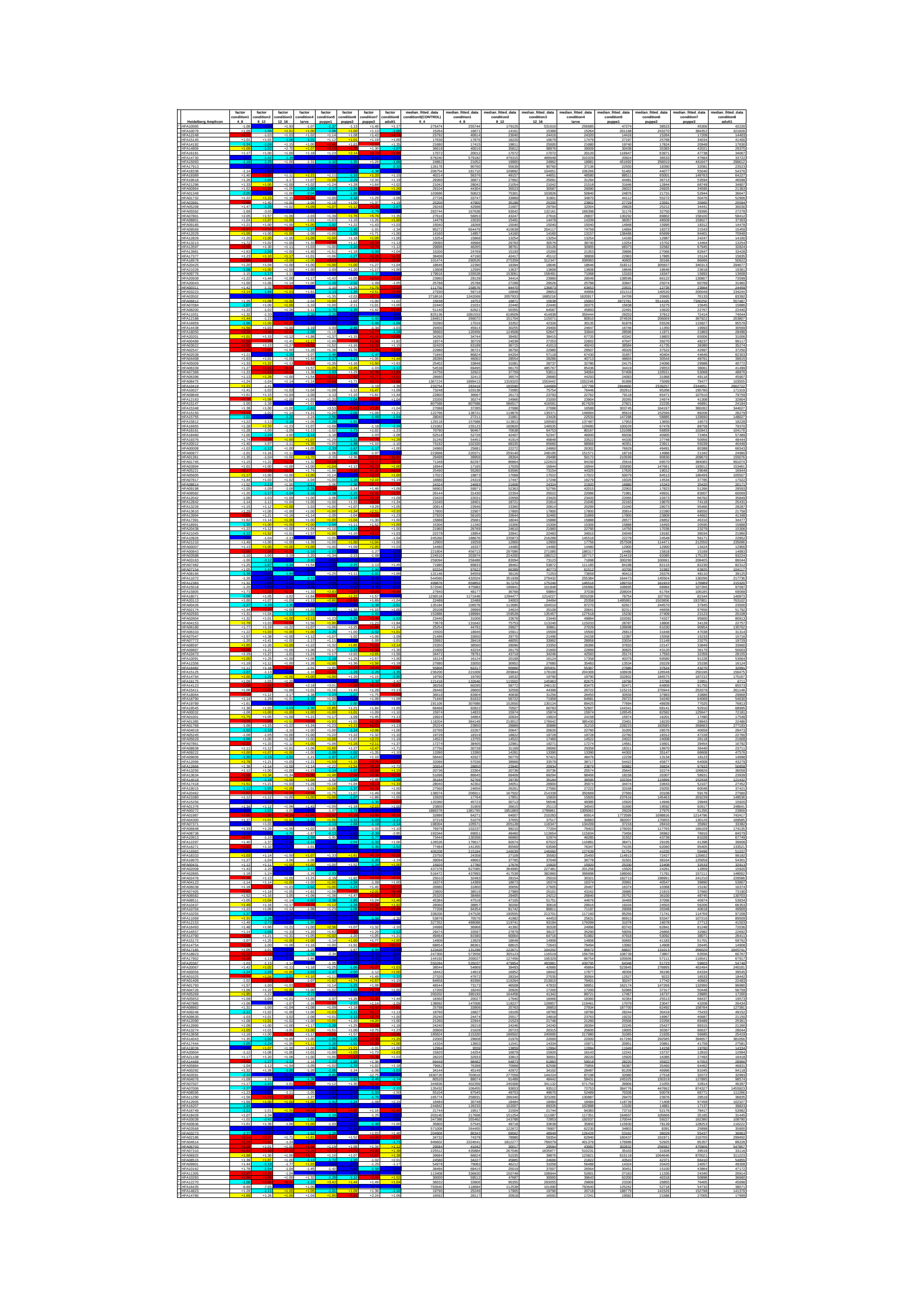


	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA20988	+2.12	+1.50	+1.36	+1.33	+1.84	+1.03	+2.91	+2.40	27880	59102	41917	37829	37201	29097	33074	55910	49428
	HFA03702	-2.02	-1.57	+1.19	-1.43	-1.89	-1.80	+1.17	+1.20	93050	46026	59374	110675	65177	51385	28673	81157	67046
*	HFA13709	+1.59	+1.46	+1.31	+2.09	+2.41	+1.05	+1.54	+1.00	100008	159509	146493	130929	208745	49274	51786	109021	111499
*	HFA14559	-1.61	-1.18	+1.02	-1.69	+1.02	-1.99	-1.23	+1.00	134274	83438	113823	137154	79251	240676	105458	154216	100008
*	HFA03067	+1.59	+1.24	+1.56	+12.73	+9.65	+1.97	+13.05	+22.85	48488	77041	60000	75803	617206	136806	67308	109271	134274
*	HFA03392	+1.47	+1.49	+1.19	+1.23	+3.17	+3.30	-1.10	+7.04	27640	40733	41056	32838	33951	467990	95739	632608	1107938
*	HFA06115	+1.48	+1.12	+7.29	-1.02	+30.11	+41.47	+3.96	+1.01	36634	54274	41044	267045	36059	87660	91110	25061	194461
*	HFA07544	-1.53	-4.35	-8.69	-9.72	-8.41	-15.16	-10.26	-17.54	583284	380217	133965	67113	60003	1102887	1519114	145022	36848
*	HFA08187	+1.68	-1.43	+1.04	-1.69	-1.05	-1.70	-1.23	-1.32	190096	318759	133155	198278	112492	69337	38481	56867	33262
	HFA10277	-1.61	-2.51	-1.08	-1.36	-1.59	-2.16	-1.25	-1.11	34562	21421	13776	32020	25447	181876	111678	154938	144292
*	HFA12234	-2.00	-2.37	-3.51	-2.29	-2.99	-1.93	-2.31	-3.02	3169474	1583821	1337397	904257	1387039	21778	16010	27658	31010
*	HFA15679	+1.44	-1.06	-1.33	-2.00	-2.10	-2.32	-1.90	-3.07	337644	486861	317211	253765	168516	1061157	1642573	1369854	1047915
*	HFA16707	+1.22	-1.13	-1.71	+1.14	-1.13	-2.11	-1.50	-1.56	120152	147114	106115	70158	136803	160793	145322	177618	109903
*	HFA17730	+4.53	+1.75	+4.98	+4.26	+3.41	+1.30	+4.58	+2.87	50414	228591	88421	251044	215000	106150	56865	79922	77173
*	HFA20172	-1.31	-1.41	-1.18	-1.70	-1.20	-2.42	-1.41	-1.67	901520	686884	638666	761381	531653	172084	65530	230667	144871
*	HFA00792	+1.26	-1.56	-2.42	-3.30	-3.05	-5.41	-3.42	-2.71	448128	564151	286440	185360	135922	752690	372676	641041	539982
*	HFA02923	+2.52	+1.69	+3.63	+1.85	+18.15	+20.54	+10.93	+2.55	48266	121533	81523	175158	89325	146872	82809	130966	165444
	HFA01859	+1.35	+1.00	+1.00	+1.01	-1.14	+1.12	+1.13	+2.39	15960	21561	15960	15960	16116	876142	991603	527631	122899
	HFA02632	+1.04	+1.09	+1.00	-1.01	+1.08	+1.09	-1.08	+1.12	18974	19827	20657	18974	18741	14050	17813	17992	38181
	HFA04690	-1.14	+1.03	-1.04	-1.01	+2.53	+1.85	+1.74	+2.71	98574	86605	101066	94394	97603	20467	20695	17498	21226
*	HFA04976	-1.09	+1.18	+1.00	+1.34	-1.04	-1.35	+1.17	-1.04	49906	45696	58927	50091	67002	249804	182791	171660	266912
*	HFA07028	+1.85	+1.89	+1.07	-1.07	+1.68	+1.30	+1.94	+1.51	293214	542315	553145	313862	273148	47994	36883	58269	47915
*	HFA06261	+2.42	+1.09	+1.00	+1.25	+1.16	+2.12	+2.43	+11.21	18056	43679	19745	18056	22523	492215	382373	568946	443020
*	HFA07326	-1.29	-1.58	+3.91	-1.21	+2.53	+11.83	+3.49	+1.48	132962	102965	84302	520465	110336	21019	38226	43847	202368
*	HFA08460	+1.35	+1.21	+1.21	+1.23	+3.31	+20.01	+24.06	+2.44	64048	86746	77551	77691	78889	335941	1572511	463803	196320
*	HFA10480	+2.25	-1.09	-1.39	-1.20	-1.64	-3.38	-1.26	-1.80	77036	172982	70438	55302	64297	211970	1281408	1540696	156424
*	HFA09887	+1.15	+2.03	+2.89	+1.45	+2.09	+1.26	+1.32	+1.24	25082	28906	50992	72593	36259	47079	22789	61126	42691
*	HFA11169	+1.21	-1.19	+1.14	-1.02	-1.12	-1.67	-1.13	-1.75	115494	140200	97352	131318	113533	52414	31696	33037	31025
*	HFA12353	+2.89	+2.21	+1.55	-1.38	-1.12	-1.85	-1.19	-1.48	100572	291015	222068	156262	72623	103465	69242	101787	66050
	HFA14455	+1.01	+1.00	-1.11	-1.08	+1.05	+1.11	+1.32	-1.15	19322	19422	19322	17440	17884	89692	54346	84786	67986
*	HFA14850	+1.26	+1.20	+1.00	+1.06	+1.33	+2.07	+2.05	+4.61	21036	26421	25288	21036	22262	20303	21357	25549	16774
*	HFA16376	+1.40	-1.10	-1.05	+1.07	+1.05	-1.82	+1.24	-1.40	57088	80044	51715	54533	60829	27991	43536	43037	96896
*	HFA14707	+1.36	+1.13	+1.84	+1.33	+2.08	-1.45	+1.17	-1.13	101392	138021	114663	186690	134567	60208	31416	70793	40760
*	HFA14899	-1.34	-1.23	+1.00	+1.04	+2.08	+2.60	+3.78	+6.99	29304	21813	23780	29304	30459	211214	70104	118158	89434
*	HFA16912	-3.32	-7.91	-15.44	-3.92	-16.05	-14.09	-11.17	-24.78	2812692	847815	355487	182227	716807	60913	76045	110884	204797
*	HFA17758	+1.02	-1.35	+1.01	-1.08	-1.00	-1.98	-1.50	-1.15	136280	139631	100995	137012	126050	175196	199682	251768	113521
	HFA17777	+1.35	-1.16	-1.14	-1.08	+1.61	-1.41	+1.24	+1.32	94782	128202	81856	83454	87777	136053	68975	90935	118794
	HFA19722	+1.04	-1.04	+1.00	+1.63	+2.33	+1.08	-1.07	+1.00	15920	16525	15273	15920	25960	152582	67128	117846	125295
	HFA19625	+1.18	-1.08	+1.00	+1.00	+1.17	-1.33	+1.60	+1.40	19638	23109	18259	19638	19638	37047	17115	14868	15920
*	HFA21278	-1.71	-1.43	+1.06	-1.45	+1.03	+1.83	+2.44	+1.86	4029110	2357057	2824120	4257777	2781183	22998	14812	31457	27548
	HFA00952	+1.27	+1.00	+1.00	+1.00	+1.11	-1.15	-1.08	-1.01	14600	18487	14600	14600	14600	4140174	7363058	9847506	7501062
*	HFA01336	+1.20	+1.12	+2.33	+1.04	+1.78	+1.70	+1.73	+1.59	37196	44605	41556	86787	38850	16248	12674	13470	14510
	HFA01720	-1.13	+1.00	+1.00	+1.00	+1.07	+1.24	+1.10	+1.25	15312	13499	15312	15312	15312	66357	63141	64283	59027
*	HFA03969	-1.07	+1.26	+1.61	+1.87	+1.65	+1.31	+1.76	+1.18	39304	36717	49365	63158	73302	16366	19028	16780	19207
	HFA05196	+1.23	+1.05	+1.07	+1.38	+1.60	+1.41	+1.81	+1.44	22162	27351	23251	23636	30657	64755	51644	69088	46474
	HFA05580	-1.18	+1.11	+1.15	+1.00	+1.06	+1.27	+1.92	+1.60	16350	13850	18170	18836	16350	35393	31156	40034	31924
	HFA07787	-1.00	+1.00	+1.00	+1.00	+1.00	+1.05	+1.13	+1.00	12402	12402	12402	12402	12402	17396	20710	31428	26150
	HFA08789	-1.00	+1.20	-1.02	+1.18	+1.06	-2.02	+1.23	+1.05	27754	27655	33322	27202	32860	12402	13056	14005	12402
	HFA09173	+1.06	-1.14	-1.04	+1.00	+1.01	-2.92	-1.02	-1.73	49320	52148	43198	47497	49320	29462	13730	34121	29231
	HFA09557	+1.15	-1.14	+1.00	-1.04	+1.00	-1.10	-1.22	+1.09	15828	18169	13899	15828	15265	49713	16882	48544	28517
	HFA12017	+1.40	+1.10	+1.00	-1.01	+1.00	+1.17	+2.30	+1.00	17374	24339	19040	17374	17234	15907	14437	12984	17201
*	HFA12817	+4.34	+1.61	+7.87	+8.69	+3.03	+6.63	+21.85	+20.86	29242	126888	47011	229999	254013	17374	20273	40034	17374
	HFA13201	+1.20	-1.19	+1.00	+1.00	+1.00	+1.15	+1.33	+1.00	15200	18224	12758	15200	15200	88699	193806	638924	609947
*	HFA13585	+1.79	+1.12	+1.00	+1.56	+1.24	+1.10	+1.58	+1.48	38766	69233	43414	38766	60532	15200	17443	20251	15200
	HFA13969	+1.69	+1.03	+1.00	+1.04	+1.00	-1.04	+1.33	+1.11	16656	28126	17079	16656	17337	48059	42828	61369	57367
	HFA17364	+1.05	+1.00	+1.00	-1.14	-1.11	+1.11	+1.28	+1.03	17272	18220	17272	17272	15200	16656	16027	22174	18511
	HFA18966	+1.30	-1.07	+1.00	+1.03	-1.14	-1.24	+1.77	+1.39	19608	25574	18278	19608	20101	15622	19187	22194	17823
	HFA20413	+1.29	+1.21	+1.00	-1.02	-1.22	-1.28	-1.04	+1.08	16600	21477	20151	16600	16211	17242	15849	34616	27282
	HFA21014	+1.02	+1.00	+1.00	+1.00	+1.00	+1.16	+1.01	+1.00	14868	15149	14868	14868	14868	13587	12980	15886	17987
*	HFA06634	+1.42	+1.06	+1.01	-1.06	+1.10	-1.48	+1.58	-1.15	55054	78365	58462	55576	52102	14868	17177	15005	14868
*	HFA19041	+2.22	+1.27	+4.81	+2.83	+1.43	-1.15	+2.19	+1.13	225234	499619	285656	1082685	636543	60830	37187	86722	47679
*	HFA17847	+1.00	+1.18	+1.00	+1.02	+1.00	+1.17	+2.59	+1.42	25280	25399	29882	25280	25715	323188	195786	492749	255224
*	HFA00621	+3.60	+4.34	+3.22	+1.24	+3.46	+1.55	+1.46	+1.74	104990	377563	455400	338445	130459	25280	29580	65487	35952
*	HFA03327	+1.01	+1.13	-1.00	+4.53	+33.04	+25.91	+3.77	+10.74	70760	71594	79926	70561	320826	362952	162493	152893	183095
*	HFA03184	-1.18	-4.04	-5.30	-4.87	-6.48	-10.59	-5.19	-7.56	549318	466026	136065	103617	112772	2337974	1833134	267006	759624
*	HFA07645	-1.45	-3.34	-3.17	-5.38	-5.28	-5.51	-5.51	-4.02	1276982	881313	382279	403087	237234	84769	51866	105902	72656
*	HFA07103	+1.43	-1.35	-1.39	-1.91	-2.77	-2.42	-2.03	-1.67	49820	71412	36894	35833	26102	241693	231783	231795	317825
*	HFA08519	+1.66	-1.23	+1.50	-1.44	-1.58	-2.45	-1.58	-1.34	246432	408393	200258	370098	171027	18010	20589	24550	29835
*	HFA10928	-1.00	-1.08	+1.00	+5.38	+56.02	-1.46	+1.09	+1.53	26524	26421	24602	26524	142665	156284	100428	156274	183805
*	HFA12306	+1.10	-1.18	+1.03	-1.54	-2.87	-1.44	-1.38	-1.48	228044	251306	193697	235422	148207	1486003	18153	28999	40652
*	HFA15913	-1.12	-1.46	-1.11	+1.34	-1.14	-1.03	+1.71	+2.25	380710	341087	260584	343855	510026	79444	158873	164764	154441
*	HFA14147	-1.23	-1.38	-1.29	-1.96	-1.79	-2.55	-1.91	-2.85	197438	160334	143566	152497	100921	334756	371171	650211	856037
*	HFA18352	-1.67	-2.03	-3.04	-3.16	-3.87	-5.41	-5.34	-5.86	347890	207771	171570	114405	109991	110181	77474	103521	69219
*	HFA20278	-1.38	-1.10	+1.33	-1.80	-1.65	-3.34	-2.75	-5.26	140146	101208	127078	186216	77678	89876	64277	65129	59411
	HFA00710	+1.13	+1.02	+1.00	+1.09	-1.16	-1.26	-1.04	+1.23	24832	28069	25221	24832	27189	84938	41947	50886	26658
*	HFA02392	+1.79	+1.01	+6.01	+1.01	+20.20	+14.91	+2.90	+1.03	29594	53102	29929	177910	29967	21361	19772	23936	30444
*	HFA02428	+2.17	+1.53	+1.70	+1.00	+2.72	+2.38	+1.69	+1.99	22480	48790	34338	38117	22480	597814	441369	85918	30597
	HFA02601	+1.35	+1.36	-1.01	+1.03	+1.27	+1.08	+1.41	+1.25	20972	28318	28626	20765	21671	61116	53550	37922	44831
*	HFA04151	-1.19	+1.21	+1.70	-1.08	+1.66	-1.57	+1.01	+1.12	110206	92806	132986	187543	102405	26715	22676	29507	26309
*	HFA06792	+1.03	+1.86	+2.93	+1.00	+1.52	+3.14	+2.23	+2.46	27680	28646	51367	80968	27726	183104	69978	111595	123621
*	HFA06344	+1.99	+1.17	+1.00	+1.42	-1.01	-1.20	+1.47	+1.46	26406	52580	30881	26406	37478	42032	86817	61640	67989
*	HFA07166	-1.73	-1.94	-1.88	-2.04	-2.88	-3.10	-2.67	-2.64	194792	112877	100655	103700	95453	26222	21932	38897	38552
*	HFA06398	+1.55	+1.15	+1.02	+2.66	+1.39	-1.23	+1.50	+1.12	28132	43592	32363	28824	74787	67715	62825	72855	73772
*	HFA08330	+1.81	+1.10	+1.19	+1.62	+1.71	+5.95	+3.14	+1.32	30630	55366	33837	36578	49612	39101	22872	42093	31459
*	HFA11271	+1.16	-1.03	+1.21	-1.65	-1.73	-2.89	-1.96	-2.06	275492	320309	266990	332657	166696	52250	182197	96076	40483
*	HFA10023	-1.12	+1.30	+1.00	+1.04	+1.51	+1.43	+1.98	+2.61	23426	20853	30519	23426	24265	161112	95177	140609	133926
*	HFA11100	+1.49	+1.15	-1.03	+1.47	-1.57	-1.08	+1.34	-1.22	43560	64910	50046	42338	64093	35344	33529	46393	61135
*	HFA11991	+2.70	+1.41	+1.83	+1.72	+1.87	+2.86	+3.60	+7.20	36452	98532	51265	66792	62590	27735	40241	58201	35775
*	HFA15393	+1.03	-1.09	-1.84	-1.17	-2.02	-2.87	-2.58	-2.57	132266	136169	121052	71989	112728	68074	104431	131388	262369
	HFA17079	+1.31	+1.00	+1.00	-1.13	-1.39	-3.43	-1.22	-1.65	34960	45748	34960	34960	30845	65369	46051	51198	51513
*	HFA14798	+1.37	+1.11	+1.54	-1.42	-1.12	-2.03	-1.52	-1.22	176130	241475	195675	271918	123673	25145	10189	28595	21215
*	HFA15676	+1.95	+1.09	-1.05	-1.44	-1.67	-2.05	-1.17	-1.20	61438	119610	66845	58718	42702	157556	86639	116096	144448
*	HFA15817	+1.13	+1.15	-1.24	-1.62	-1.92	-2.29	-1.64	-1.53	128604	145273	147632	103940	79623	36888	29983	52719	51118
*	HFA16658	+1.49	+1.00	-1.31	-1.15	-1.76	-1.56	-2.09	-1.97	471400	702017	472006	358997	409146	66939	56143	78373	84264
*	HFA18383	-1.14	-1.16	-1.08	-1.37	-1.03	-1.65	-1.19	-1.95	687500	604194	592381	638613	502998	268263	301517	225157	239226
*	HFA17816	+1.17	-2.09	-1.73	-2.09	-2.15	-3.07	-1.85	-2.78	187880	219568	89709	108614	89952	665555	417738	577207	352537
	HFA19460	+1.14	-1.06	+1.00	+1.00	+1.06	+1.16	+1.15	+1.16	15914	18216	14952	15914	15914	87337	61160	101413	67694
*	HFA20029	+1.36	-1.16	-1.53	-2.97	-2.14	-3.87	-2.06	-2.67	346496	472860	298592	227065	116657	16933	18511	18315	18514
	HFA00019	-1.00	+1.00	+1.00	+1.00	+1.00	-1.14	-1.17	+1.00	17400	17400	17400	17400	17400	162078	89502	168583	129563
	HFA00988	+1.21	-1.27	+1.00	+1.08	+1.00	-1.22	+2.02	-1.06	23554	28605	18620	23554	25477	17400	15282	14889	17400
*	HFA01372	+1.15	+1.04	+1.00	-1.01	+1.15	+1.55	+2.27	+1.62	27680	31837	28663	27680	27524	23554	19263	47655	22199
*	HFA01756	+1.21	+1.81	+1.24	-1.07	+1.42	+1.52	+1.99	+1.61	25240	30521	45607	31312	23611	31745	42840	62908	44749
*	HFA04005	+1.56	+1.81	+2.43	-1.04	+1.41	+1.30	+1.38	-1.26	38040	59510	68751	92622	36544	35835	38280	50194	40604
	HFA05232	-1.01	+1.12	+1.00	+1.00	+1.07	+1.01	+1.03	+1.00	19030	18865	21301	19030	19030	53641	49437	52625	30216
*	HFA05616	-1.37	+1.06	+1.01	-1.04	-1.69	+1.20	+4.50	+1.17	28620	20941	30198	28777	27636	20281	19135	19667	19030
*	HFA07829	+1.67	+2.50	+1.98	+1.83	+1.88	+2.55	+3.60	+1.96	26284	43960	65740	51968	48219	16981	34377	128857	33344
*	HFA08825	+1.93	+1.10	+1.00	-1.03	+1.03	+1.28	+2.41	+1.04	22200	42758	24529	22200	21640	49511	67143	94504	51495
*	HFA09209	+2.15	+1.18	+1.00	+1.01	-1.07	+1.08	+1.89	+1.67	23760	50980	27922	23760	24061	22874	28514	53544	23096
*	HFA09593	-1.02	+1.03	+1.00	+1.00	+1.03	+1.34	+3.27	-1.06	17036	16641	17489	17036	17036	22202	25621	44861	39597
*	HFA12053	+1.74	+1.17	-1.02	+1.22	-1.12	+1.21	+3.41	+1.31	34384	59850	40387	33745	42073	17595	22884	55725	16004
*	HFA12853	+1.53	+1.10	-1.02	+1.03	+1.13	+1.10	+3.84	+1.14	27670	42216	30427	27248	28556	30795	41730	117278	45098
	HFA13237	+1.38	+1.10	+1.00	+1.00	-1.07	+1.12	+2.18	+1.68	18888	26139	20812	18888	18888	31131	30442	106263	31634
	HFA13621	+1.30	+1.06	+1.00	+1.00	+1.00	-1.13	+1.50	+1.00	14440	18843	15285	14440	14440	17686	21063	41176	31789
*	HFA14005	+1.61	+1.21	+1.10	+1.33	+1.32	+1.00	+2.05	+1.26	42634	68529	51394	46949	56793	14440	12754	21695	14440
*	HFA17403	+2.71	+4.35	+10.62	+3.55	+16.40	+10.48	+13.60	+10.85	162030	438312	704466	1719952	574553	56241	42651	87376	53530
	HFA19002	-1.02	-1.18	+1.00	+1.02	+1.00	-1.08	+1.25	+1.00	25764	25319	21897	25764	26176	2657638	1698482	2203195	1757377
	HFA20449	+1.48	+1.23	+1.03	+1.00	+1.66	+1.14	+1.72	+1.00	25682	37976	31711	26390	25682	25764	23953	32196	25764
*	HFA21061	+1.96	+1.25	+1.00	+1.00	-1.09	+1.24	+2.60	+1.13	19312	37867	24137	19312	19312	42745	29162	44195	25682
*	HFA12590	+2.48	+1.70	+3.72	+3.09	+1.59	+1.07	+6.93	+1.02	39240	97353	66586	145872	121125	17701	23868	50235	21827
	HFA00900	-1.04	+1.00	+1.00	+1.00	-1.44	+1.21	+1.45	+1.03	16360	15788	16360	16360	16360	62409	42047	271854	40071
*	HFA00616	-1.73	-2.68	-2.08	-2.83	-4.13	-5.31	-3.30	-4.01	167006	96466	62315	80472	58954	11387	19732	23750	16855
*	HFA03442	+1.18	-1.28	-2.39	-3.28	-4.04	-6.02	-3.89	-5.83	735496	867473	573997	307977	224497	40403	31477	50683	41687
	HFA03692	+1.37	+1.31	+1.00	+1.13	+1.14	+1.37	+1.48	-1.05	32488	44593	42696	32488	36765	182179	122197	189165	126253
*	HFA06073	-2.08	-3.21	-5.31	-6.00	-5.13	-7.56	-6.42	-8.02	746932	358385	232332	140772	124424	37131	44532	47992	30871
	HFA05948	+1.15	-1.13	+1.00	+1.00	-1.29	+1.12	-1.25	+1.17	20542	23535	18104	20542	20542	145624	98742	116435	93091
*	HFA08741	+1.00	-1.22	+1.02	+1.16	+1.83	-1.01	+1.38	+1.50	42210	42210	34490	42872	49016	15902	22924	16391	24052
	HFA10230	+1.44	+1.13	+1.34	+1.47	+1.47	-1.04	+1.51	+1.20	28064	40381	31799	37540	41323	77374	41920	58316	63190
*	HFA12308	-1.22	-1.96	-2.19	-2.46	-2.46	-2.86	-4.07	-3.18	290756	238007	148045	133016	118182	41145	26966	42298	33778
*	HFA15500	+1.36	-1.13	-1.18	-1.12	-1.54	-1.41	-1.45	-1.29	153996	209130	136227	130024	137856	118189	101630	71378	91461
*	HFA16006	+2.14	+1.29	+1.18	+2.69	+1.04	+1.83	+1.60	+8.12	27378	58600	35415	32431	73626	99701	109363	106248	119255
*	HFA18388	+1.54	+1.20	+1.48	+1.67	+1.35	+1.23	+1.99	+1.88	42304	65062	50966	62470	70641	28385	50067	43741	222337
*	HFA19992	+1.13	-1.43	-1.08	-4.62	-2.25	-3.30	-3.85	-4.53	623016	707094	436405	578492	134899	57201	51892	84372	79371
	HFA00716	+1.09	+1.08	+1.00	+1.00	+1.15	-1.09	+1.02	+1.03	22360	24287	24058	22360	22360	276516	188772	161751	137558
*	HFA03096	-1.80	-1.37	+1.06	-2.03	-2.10	-3.23	-1.90	-1.37	89024	49500	65003	94459	43835	25684	20536	22789	23009
*	HFA03322	-1.01	-1.30	-1.68	-1.97	-2.20	-3.17	-2.91	-2.81	666936	661907	512877	395815	338325	42352	27571	46819	64972
	HFA02606	+1.06	+1.29	+1.00	-1.45	-1.28	-1.74	-1.11	-1.05	20368	21522	26205	20368	14088	302894	210585	229321	237527
	HFA04166	+1.33	+1.43	+1.00	+1.21	+1.00	-1.33	+1.21	+1.34	18404	24524	26347	18404	22198	15927	11730	18307	19376
*	HFA06769	+1.55	+1.33	+1.84	+1.97	+1.71	+3.05	+7.12	+11.23	36866	57005	49189	68013	72460	18404	13787	22329	24743
*	HFA07705	+3.05	+1.37	+1.24	+5.40	+1.61	-1.04	+2.93	+4.99	50474	154102	69250	62629	272778	63125	112315	262613	414151
*	HFA06574	+1.30	-1.08	+1.00	+1.20	+1.50	+2.38	+2.83	+3.52	24980	32553	23102	24980	30037	81443	48387	147746	251989
	HFA08311	+1.30	-1.23	+1.00	-1.03	-1.19	-1.17	-1.14	+1.37	20452	26540	16681	20452	19806	37520	59426	70781	87863
	HFA08315	+1.02	+1.33	+1.00	+1.04	-1.09	-1.03	+1.60	+1.23	15920	16295	21144	15920	16557	17222	17550	17886	27945
	HFA10172	+1.02	-1.04	-1.05	-1.02	-1.04	-1.48	+1.12	-1.13	43582	44579	42017	41653	42923	14663	15449	25519	19503
*	HFA10016	-1.37	-1.84	-2.69	-2.29	-2.87	-4.07	-3.05	-3.34	478404	349006	260003	177646	208909	41939	29442	48778	38682
*	HFA11075	+2.12	+1.65	+1.00	+2.37	+1.72	+1.87	+3.12	+2.42	24284	51463	39984	24284	57498	166905	117643	157072	143271
	HFA12259	+1.24	+1.09	+1.00	+1.31	+1.10	-1.02	+1.07	+1.24	30980	38350	33850	30980	40447	41718	45437	75658	58859
*	HFA16976	-1.34	-1.49	-2.56	+1.00	-3.32	-3.64	-3.74	-3.87	1043200	779259	698847	406801	1043200	34201	30252	33130	38292
	HFA14835	-1.11	+1.22	+1.00	+1.00	+1.07	+1.35	+1.41	+1.72	16100	14516	19722	16100	16100	314130	286828	279082	269794
*	HFA16369	-1.27	-1.12	-1.01	-1.60	-1.24	-1.44	-1.29	-2.37	2146856	1696848	1915134	2116657	1345363	17158	21693	22651	27658
*	HFA14684	-1.23	-1.02	+1.03	-1.17	+1.13	+1.16	+2.40	+1.15	21500	17529	21042	22169	18419	1725892	1491760	1669846	907376
*	HFA16016	-1.36	-1.90	-1.07	+3.29	+3.41	+2.31	+2.09	+2.52	104772	76948	55174	97556	344699	24352	24959	51615	24732
	HFA17133	+1.14	+1.04	+1.04	+1.31	+1.11	+1.30	+1.18	-1.72	28600	32697	29641	29800	37522	357180	242245	218808	263536
	HFA17877	+1.02	-1.06	+1.00	-1.22	+1.00	-1.23	+1.07	+1.04	23200	23592	21983	23200	18992	31798	37229	33686	16665
	HFA17857	+1.04	-1.19	+1.00	+1.08	+1.42	+1.20	+1.32	+1.04	21284	22116	17953	21284	23030	23200	18937	24794	24043
	HFA19939	-1.07	+1.02	+1.02	-1.07	-1.24	-1.04	+1.05	+1.40	15968	14917	16318	16317	14991	30200	25611	28065	22181
*	HFA20049	-1.47	-1.52	-1.06	-1.45	-1.24	-3.13	-1.77	-2.53	214258	145830	141385	202851	147721	12869	15317	16787	22275
	HFA00043	+1.39	+1.23	+1.00	+1.00	+1.00	+1.36	+1.08	+1.16	16404	22784	20207	16404	16463	172505	68410	121112	84825
*	HFA01012	-1.12	+1.22	+1.60	-1.16	+3.70	+4.83	+2.40	+4.42	22080	19693	26917	35320	19102	16404	22329	17797	18947
	HFA01396	-1.03	-1.08	+1.00	+1.00	+1.00	+1.32	+1.56	+1.23	13428	13099	12486	13428	13428	81634	106576	53074	97513
	HFA01780	+1.71	+1.08	+1.00	+1.27	+1.06	-1.03	+1.46	+1.08	22574	38681	24316	22574	28695	13428	17728	20965	16556
*	HFA04029	+1.16	+1.13	+1.20	+1.13	+2.23	+1.14	+1.62	+1.38	44034	51050	49554	52774	49776	24018	21840	32879	24400
*	HFA05256	+1.77	+1.76	+1.59	+1.91	+1.96	-1.10	+2.13	+1.15	46642	82498	82102	74060	89036	98086	50166	71523	60975
*	HFA05640	+1.29	+1.08	+1.00	+1.38	+2.79	+3.26	+4.98	+7.21	23368	30062	25260	23368	32297	91275	42502	99498	53788
	HFA07872	-1.39	-1.08	-1.03	-1.01	-1.04	-1.47	+1.70	-1.04	24510	17691	22712	23907	24268	65198	76201	116444	168453
	HFA08849	-1.00	+1.00	+1.00	+1.00	+1.00	+1.30	+2.39	+1.06	14852	14852	14852	14852	14852	23466	16723	41761	23626
	HFA09233	+1.42	-1.05	-1.04	+1.13	+1.19	-1.42	+1.37	+1.07	34740	49166	32945	33317	39347	14852	19246	35544	15752
*	HFA09617	+1.32	-2.24	+1.32	-1.80	-1.30	-1.86	-1.37	-2.20	186024	244678	82913	245609	103494	41214	24385	47435	37030
*	HFA12077	+2.04	+1.13	+1.01	+1.00	-1.05	+1.77	+2.43	+2.05	24878	50821	28086	25189	24878	143424	99794	135457	84475
*	HFA12877	+1.43	-1.45	-1.20	-2.33	-1.44	-2.65	-2.67	-3.06	164596	235584	113625	137451	70506	23666	43937	60411	51079
*	HFA13261	+1.71	+1.58	+1.44	-1.06	+1.35	+1.32	+5.43	+2.23	27680	47422	43727	39867	26029	114499	62204	61654	53802
	HFA13645	-1.02	+1.17	+1.00	+1.01	+1.14	+1.11	+2.37	+1.02	18256	17827	21301	18256	18380	37506	36471	150187	61692
*	HFA14029	-1.08	+1.12	+1.25	+1.28	+2.11	+2.10	+2.20	+4.46	34328	31902	38533	42880	44006	20763	20201	43352	18548
	HFA17430	-1.05	+1.06	+1.00	+1.16	+1.48	+1.36	+1.57	+1.05	25700	24591	27241	25700	29836	72402	72260	75593	153217
	HFA19026	-1.17	+1.00	+1.00	+1.00	+1.02	+1.00	+1.90	+1.00	14820	12714	14820	14820	14820	37931	34878	40410	27053
*	HFA20591	-2.65	-1.67	-1.22	-1.56	-2.51	-2.71	-1.31	+1.08	218114	82336	130842	178376	139666	15174	14820	28124	14820
	HFA21091	-1.01	+1.29	+1.00	+1.00	+1.09	+1.39	+1.83	+1.20	24304	24115	31459	24304	24304	86748	80554	166616	236507
*	HFA14588	-1.24	-1.11	-1.04	-1.71	-1.04	-1.16	-1.65	-2.51	2073618	1678230	1862701	1994500	1215325	26506	33883	44545	29058
	HFA05041	-1.07	+1.00	-1.02	+1.00	-1.08	-1.42	-1.03	+1.07	27988	26044	27988	27383	27988	1995477	1790303	1259230	825060
*	HFA00668	-1.23	-1.69	-2.70	-2.04	-2.82	-4.02	-3.59	-5.34	252292	204949	149419	93279	123837	25908	19689	27250	30073
*	HFA03499	+2.68	+1.42	+1.24	+1.40	+1.00	+5.66	+3.32	+2.00	30384	81551	43106	37713	42602	89470	62748	70333	47214
*	HFA04078	+1.05	-1.25	+1.17	+1.64	+1.66	+1.99	+2.47	+3.12	104824	110437	83850	122783	171410	30536	171890	100964	60795
*	HFA06144	+1.30	-1.04	+1.00	+1.17	+1.08	+1.79	+2.61	+2.83	23856	31020	22897	23856	27949	174506	209117	258533	326924
*	HFA07358	+1.47	-1.10	-1.24	-1.04	-1.96	-1.53	-1.47	-1.22	44820	65724	40840	36050	42926	25709	42787	62383	67472
*	HFA08529	+1.31	+1.34	+1.41	+1.68	+1.35	+1.67	+3.02	+2.85	23850	31237	31946	33608	40047	22825	29308	30465	36612
*	HFA10242	+1.13	-1.58	-2.00	-1.66	-3.01	-3.51	-2.54	-2.44	121472	137298	76975	60881	73387	32124	39908	72008	67955
*	HFA12602	-1.40	-1.01	-1.31	-1.47	-1.07	-1.20	-1.07	-2.85	3201136	2281008	3173437	2439793	2172298	40314	34632	47806	49797
*	HFA16310	+2.00	+1.58	+1.95	+1.34	+2.54	+3.22	+2.08	+1.87	32218	64578	51063	62915	43174	2996767	2657978	3000723	1123893
*	HFA14564	+1.26	-1.28	-1.26	-1.33	-1.45	-1.96	-1.16	-1.03	160554	202577	125471	127228	120699	81955	103773	67090	60092
*	HFA17930	-1.13	-1.88	-2.51	-2.43	-2.72	-5.57	-4.47	-4.21	333288	293748	168632	132675	137189	110349	82079	138857	155306
*	HFA19999	-1.16	-1.81	-5.00	-3.29	-6.87	-11.00	-7.03	-9.22	641448	553783	354081	128188	194821	122636	59853	74614	79148
*	HFA00618	+1.07	+1.18	+1.33	+1.00	+5.08	+1.73	+1.21	+1.26	17960	19147	21103	23866	17960	93356	58317	91263	69556
*	HFA02262	-1.43	-1.99	-1.44	-2.51	-2.44	-2.46	-1.74	-2.72	125880	87935	63372	87679	50099	91286	31035	21775	22688
*	HFA02518	+1.64	+1.03	+1.07	+1.42	+1.55	+1.13	+1.41	+1.34	260250	426538	268525	277243	370230	51567	51100	72400	46279
	HFA02189	+1.83	+1.39	+1.02	+1.54	-1.04	+1.36	+1.35	+2.01	24150	44220	33509	24744	37293	404147	293629	368177	347967
*	HFA04406	+2.13	-1.13	-2.35	-2.44	-2.31	-5.06	-3.23	-3.56	256984	546981	227938	109241	105227	23291	32724	32627	48503
*	HFA07655	+1.24	-1.03	-1.18	-1.05	-1.25	-2.19	+1.60	+1.90	58408	72448	56537	49523	55677	111129	50743	79655	72247
*	HFA07117	+2.29	+2.55	+1.88	+2.86	+2.51	+2.13	+3.82	+12.81	49746	113764	126995	93746	142337	46789	26620	93170	111262
*	HFA06902	+1.16	+1.12	+1.37	+1.07	+1.23	+1.39	+1.75	+1.71	31414	36314	35030	42978	33594	125034	106171	189940	637235
*	HFA08579	+1.61	+1.13	-1.12	-1.25	-1.70	-1.77	-1.45	-1.40	74540	119923	83888	66537	59663	38531	43653	54865	53660
	HFA10214	+1.33	+1.01	+1.00	+1.09	-1.16	+1.28	-1.01	+1.00	21240	28170	21498	21240	23188	43965	42122	51430	53353
*	HFA11194	-1.55	-1.28	-1.54	-1.54	-1.86	-2.04	-1.53	-1.57	71498	46055	55874	46296	46351	18387	27120	21132	21240
*	HFA10007	+1.82	+1.06	+1.00	+2.96	+1.25	-1.37	-1.08	+1.18	32388	59063	34395	32388	95954	38503	35047	46802	45677
	HFA10106	+1.02	+1.00	+1.00	-1.16	-1.41	-1.07	+1.21	-1.08	21868	22233	21868	21868	18779	40520	23690	30021	38124
*	HFA12264	+1.10	+1.34	+1.28	+1.00	+1.41	+1.03	+2.39	+1.42	21742	23862	29171	27851	21742	15486	20479	26539	20256
*	HFA16501	-1.22	-1.03	-1.62	-1.03	-1.15	-1.26	+1.25	+1.27	108280	88795	105429	66839	104701	30711	22358	51934	30967
*	HFA16473	+1.89	+1.19	-1.05	+1.09	-1.02	-1.26	+2.48	+1.92	33440	63070	39652	31860	36551	93995	86165	135656	137257
*	HFA16286	+1.05	-1.39	-1.73	-1.24	-1.67	-3.34	-2.52	-2.71	457282	481506	328563	264235	368191	32841	26544	83039	64288
*	HFA15601	+1.41	+1.01	-1.09	+1.11	-1.16	-2.20	+1.19	+1.29	43832	61822	44089	40339	48557	273141	136956	181716	168577
*	HFA15940	+1.08	-1.01	+1.00	+1.08	+1.09	-1.32	+1.29	+1.56	38220	41395	37908	38220	41192	37628	19880	52347	56627
	HFA17212	-1.01	-1.17	+1.00	-1.04	-1.23	-2.09	-1.33	+1.00	25334	25104	21662	25334	24300	41569	29009	49282	59597
*	HFA18055	+1.48	+1.02	+1.04	+1.26	+1.37	-1.72	+1.78	+1.63	76512	113393	78136	79539	96157	20544	12095	19101	25334
	HFA17979	+1.72	+1.00	+1.00	-1.04	-1.05	-1.26	-1.01	-1.11	34580	59360	34580	34580	33228	105128	44369	136035	124987
*	HFA20190	+1.63	+1.47	+1.87	+1.39	-1.23	+1.65	+2.65	+1.77	22162	36232	32470	41412	30912	32896	27397	34361	31165
*	HFA19444	+1.74	+1.04	+1.24	-1.32	-1.51	-1.37	+1.32	+1.24	147888	256602	153640	182754	111625	18035	36640	58771	39143
	HFA00067	+1.55	+1.01	+1.00	+1.06	-1.03	+1.16	-1.07	+1.00	16800	25999	16926	16800	17838	98084	108290	195518	183657
*	HFA01036	+1.45	+1.07	+1.08	+1.11	+1.00	-1.04	+2.32	+1.18	40532	58724	43270	43678	45104	16325	19411	15713	16800
*	HFA01420	+3.36	+3.06	+5.79	+7.33	+22.23	+11.97	+23.72	+7.33	233060	783302	713491	1348403	1708410	40532	38938	94157	47852
	HFA01804	-1.38	+1.55	+1.00	-1.12	+1.20	-1.12	+1.06	+1.24	25280	18301	39216	25280	22555	5180373	2789512	5527724	1708898
	HFA04737	-1.02	-1.10	+1.00	+1.00	-1.28	+1.00	+1.98	-1.04	22080	21695	20157	22182	22080	30413	22510	26760	31392
*	HFA05280	-1.08	+1.00	+1.01	+1.93	+1.03	+3.46	+6.59	+1.56	16584	15391	16584	16736	31940	17242	22112	43739	21243
	HFA05664	-1.00	+1.20	+1.00	+1.00	+1.00	-1.11	+2.12	+1.00	17368	17368	20883	17368	17368	17089	57386	109313	25789
*	HFA07896	+1.04	+1.00	+1.00	+1.00	-1.17	+1.33	+2.97	+1.00	17460	18139	17460	17460	17460	17368	15619	36815	17368
*	HFA08873	+1.54	+1.23	+1.00	+1.28	-1.14	-1.09	+2.83	+1.21	26356	40509	32526	26356	33740	14906	23284	51804	17460
	HFA09257	-1.11	+1.00	+1.00	+1.00	-1.12	+1.06	+1.72	+1.05	17762	16056	17762	17762	17762	23027	24084	74638	32001
*	HFA09641	-1.01	+1.02	+1.00	+1.00	-1.11	-1.28	+2.91	+1.07	19762	19524	20196	19762	19762	15843	18799	30466	18714
	HFA12101	+1.09	+1.09	+1.00	-1.02	+1.11	-1.02	+1.98	+1.20	22440	24536	24500	22440	21919	17730	15389	57558	21120
*	HFA12901	+1.46	+1.19	+1.00	+1.21	+1.00	-1.07	+3.20	+1.76	24908	36249	29591	24908	30098	24867	22054	44537	26886
	HFA13285	+1.11	-1.09	+1.00	+1.00	+1.00	+1.05	+1.95	+1.00	17764	19800	16231	17764	17764	24908	23214	79815	43899
*	HFA13669	+1.12	+1.22	+1.40	+1.16	+1.56	-1.10	+1.74	+1.42	42366	47410	51626	59443	48941	17764	18610	34599	17764
*	HFA14053	+1.20	+1.37	+1.03	+1.01	-1.06	+1.09	+1.78	+1.16	31200	37291	42682	32140	31398	66215	38422	73535	60013
*	HFA17457	+1.28	+1.15	+1.00	-1.18	+1.79	+1.67	+2.73	+1.46	26080	33337	30107	26080	22068	29356	33929	55618	36197
	HFA19050	-1.08	+1.41	+1.00	+1.00	-1.06	+1.15	+1.78	+1.00	17214	15937	24295	17214	17214	46621	43455	71111	38160
	HFA20615	+1.00	+1.00	+1.00	+1.00	-1.15	-1.20	+1.35	+1.00	15760	15760	15760	15760	15760	16281	19813	30629	17214
*	HFA21121	+2.31	+1.94	+1.37	-1.16	+1.33	+1.14	+2.38	-1.04	40984	94752	79638	56138	35249	13655	13177	21262	15760
*	HFA18670	+1.09	+1.25	+1.24	-1.10	+1.28	+1.02	+1.67	+1.07	190728	208819	238728	237134	173912	54485	46764	97497	39311
	HFA09045	+1.20	+1.06	+1.00	+1.06	-1.55	-1.17	+1.23	+1.02	24614	29448	26034	24614	26104	244452	193802	317823	203126
*	HFA00697	+1.11	-1.17	-1.27	-1.76	-1.51	-2.23	-1.91	-1.38	146988	163544	125905	116124	83473	15882	20984	30229	25047
*	HFA02827	+1.00	-1.73	-1.57	-1.65	-2.40	-4.04	-1.43	-2.60	69938	69938	40535	44470	37886	97538	65884	76975	106423
*	HFA04613	+3.07	+1.65	+1.14	-1.54	+1.01	-1.44	-1.61	-1.63	249490	765011	410926	283966	162341	29121	17319	49034	26916
*	HFA07068	-1.14	-1.84	-2.93	-1.80	-1.69	-2.07	-2.01	-1.13	534212	468361	289786	182537	296748	251357	173544	154752	153147

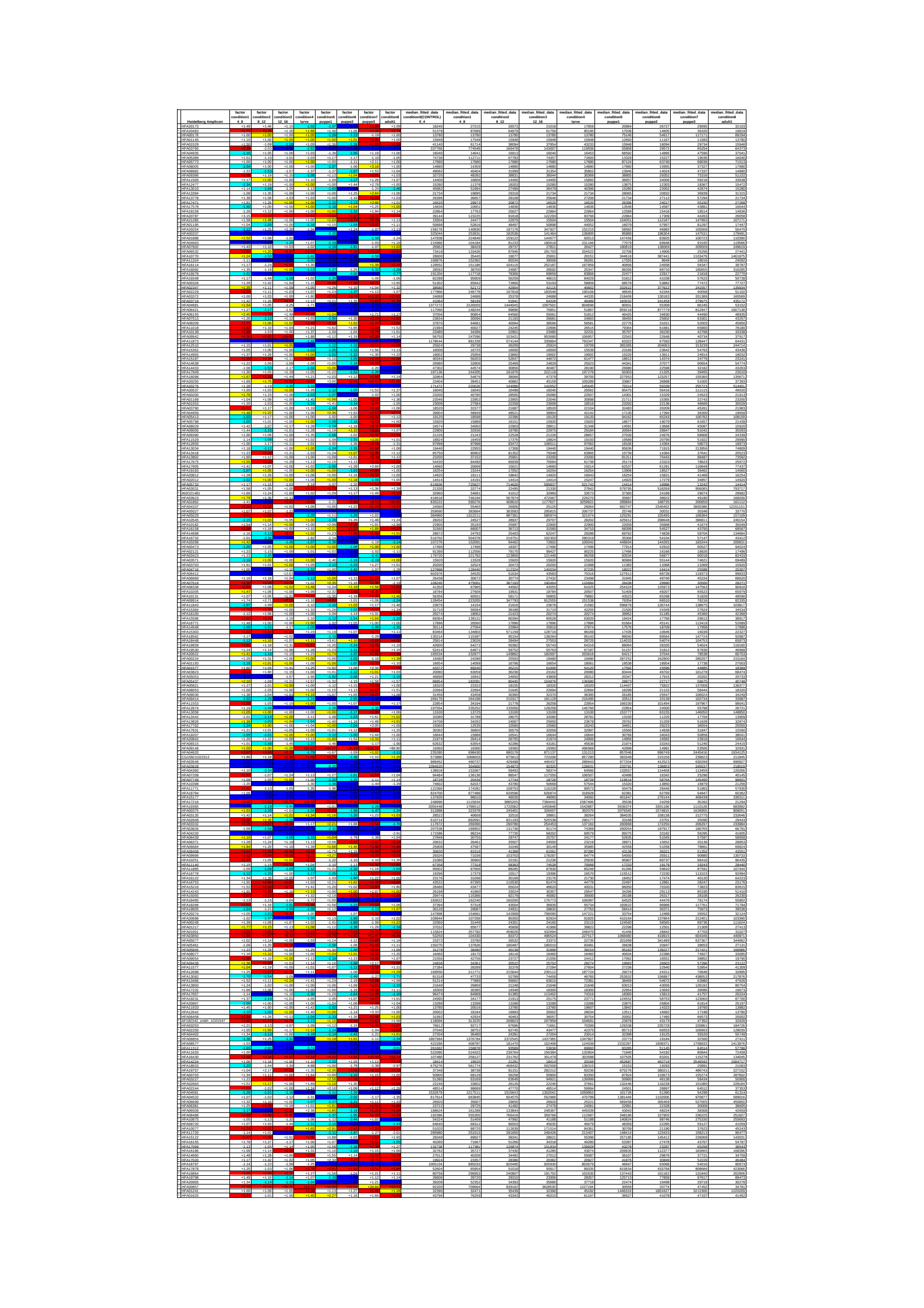


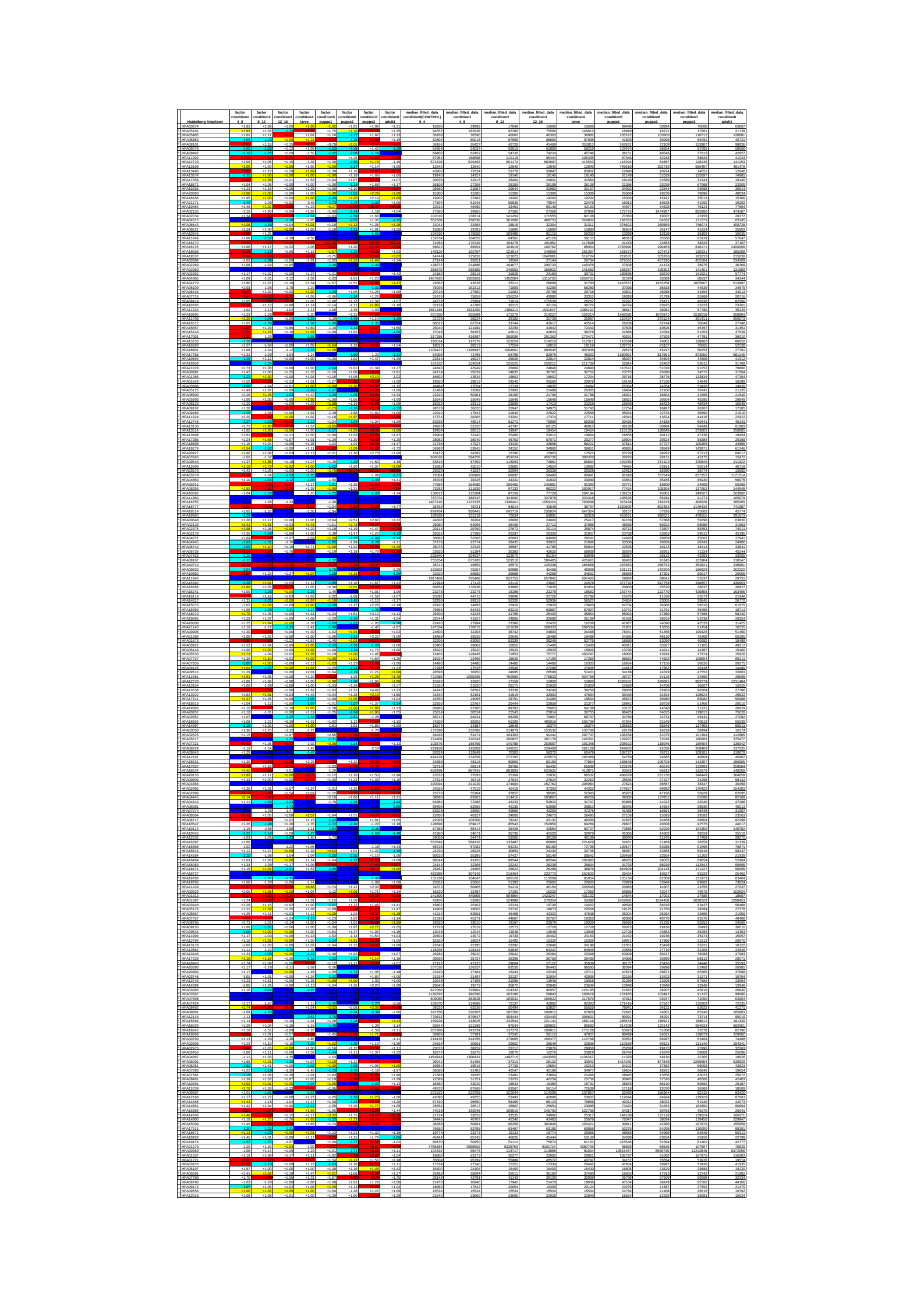


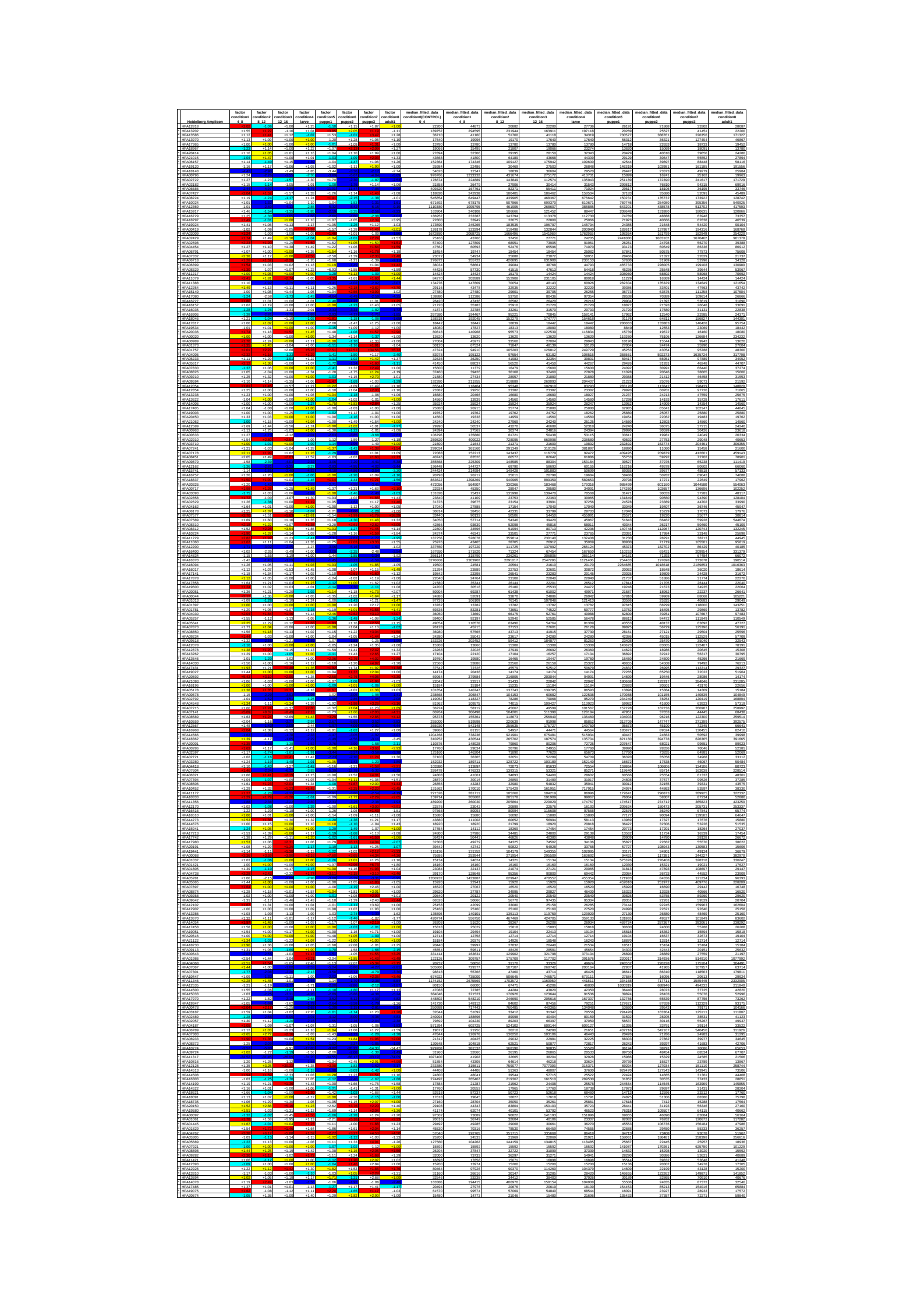




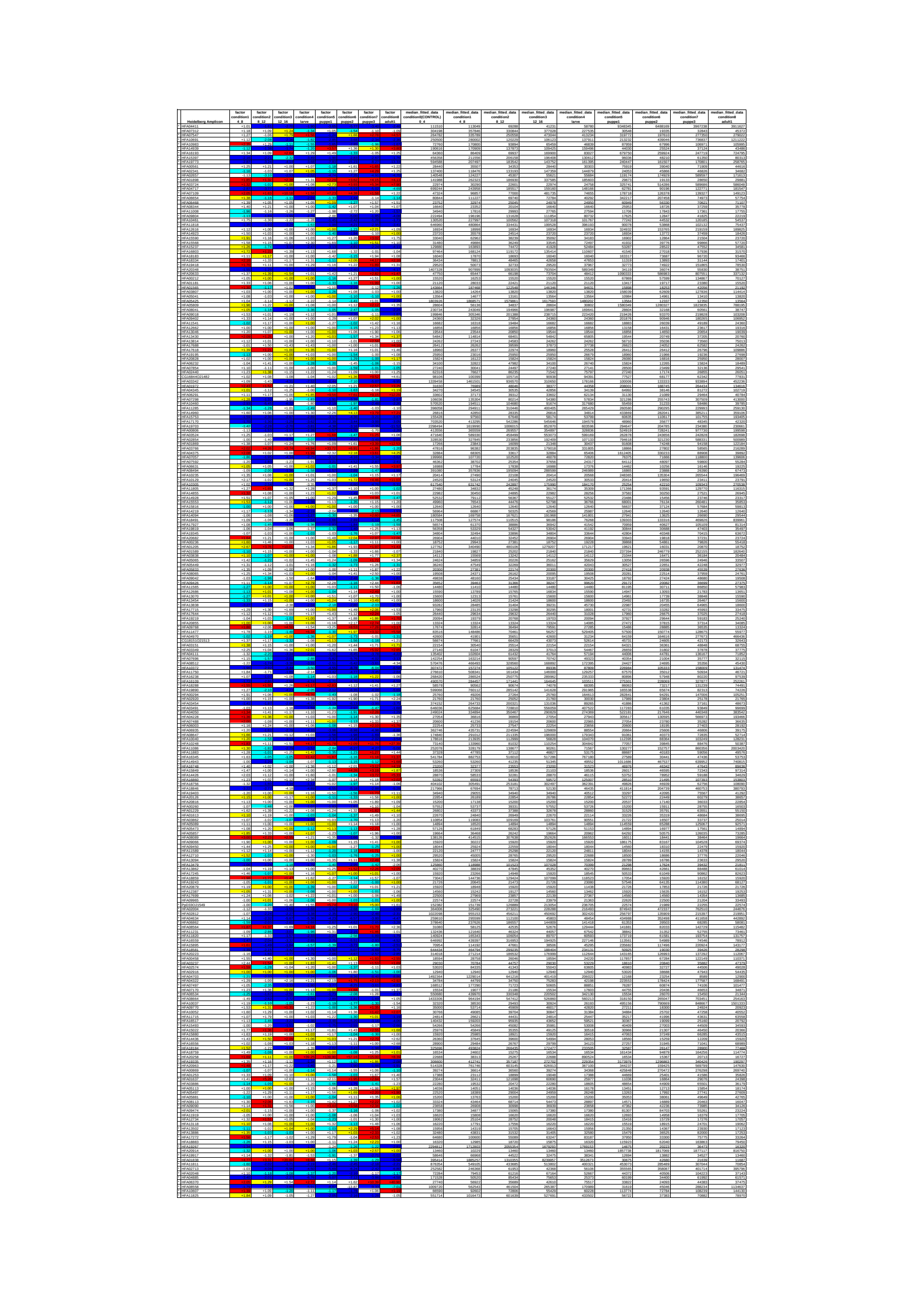
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA14092	+1.50	-1.73	-1.17	-1.15	-1.45	+1.27	+2.55	+2.87	76800	115580	44386	65559	66643	30693	93019	37192	17516
*	HFA16705	+1.05	-1.41	-1.88	-1.30	-1.43	-3.14	-1.83	-2.72	115008	120555	81413	61108	88697	52788	97156	195961	220131
	HFA17200	-1.12	+1.00	+1.00	+1.00	-1.09	-1.26	-1.17	+1.07	20280	18107	20280	20280	20280	80475	36615	62874	42269
*	HFA18051	+2.06	+1.41	+1.00	+1.19	+2.20	+1.66	+2.75	+2.25	40420	83093	56960	40420	48276	18638	16076	17376	21649
*	HFA17803	+1.30	-1.04	+1.06	-1.53	-1.28	-2.25	-1.35	-2.17	79214	102745	75923	84353	51727	88931	67284	111014	91018
*	HFA19947	+1.41	-1.04	-1.05	+1.24	+1.49	-1.24	+1.35	+1.56	133732	188866	128559	127018	166109	61710	35275	58576	36568
*	HFA19576	+1.32	-1.08	+1.00	+1.00	-1.11	-1.40	+2.41	+1.06	23128	30638	21474	23128	23128	199792	108224	181045	208463
	HFA00080	+1.50	-1.17	+1.00	+1.09	-1.01	-1.11	+1.30	+1.00	20294	30483	17342	20294	22083	20759	16530	55656	24587
	HFA01049	+1.84	+1.27	-1.01	+1.16	+1.00	+1.38	+2.49	+1.05	16160	29716	20523	15922	18773	20125	18285	26475	20294
*	HFA01433	+2.57	+2.63	+2.74	+1.05	+5.16	+3.32	+8.98	+3.10	44320	114065	116702	121218	46375	16160	22352	40208	16894
	HFA01817	+1.47	+1.02	+1.00	+1.00	-1.15	-1.04	+2.27	-1.02	17208	25297	17578	17208	17208	228491	147308	398045	137416
	HFA04750	+1.14	+1.08	+1.00	-1.04	+1.11	-1.12	+2.66	-1.01	18178	20725	19637	18178	17461	14975	16573	39048	16798
	HFA05293	+1.07	+1.13	-1.11	-1.06	-1.00	-1.59	+1.34	-1.10	52772	56238	59401	47594	49914	20221	16291	48322	18057
	HFA05677	+1.49	-1.10	+1.00	+1.13	+1.00	+1.18	+1.43	-1.04	20374	30388	18490	20374	23027	52641	33127	70898	48013
	HFA07909	+1.00	-1.17	+1.00	+1.01	+1.00	-1.31	+1.05	+1.07	21040	21040	17948	21040	21173	20374	23992	29164	19670
	HFA08886	-1.03	+1.00	+1.00	+1.00	+1.00	-1.05	+2.93	+1.00	16360	15893	16360	16360	16360	21040	16111	21989	22428
*	HFA09270	+1.00	-1.54	-1.12	-1.40	+1.02	-1.18	+1.41	+1.23	364008	365742	235653	323630	259648	16360	15606	47975	16360
	HFA09654	+2.19	-1.10	+1.00	+1.00	+1.00	+1.05	+1.97	+1.00	17760	38858	16115	17760	17760	370634	307604	512600	447705
*	HFA12114	+1.39	+1.31	+1.65	+1.12	+1.30	+1.37	+2.89	+1.15	21000	29244	27597	34688	23553	17760	18734	34959	17760
*	HFA12914	+1.01	+1.29	+1.00	+1.00	+1.00	+1.13	+3.81	+1.05	16680	16889	21550	16680	16680	27307	28795	60678	24161
*	HFA13298	-1.12	-1.14	-1.11	-2.00	-1.90	-1.83	+1.30	-3.92	2262370	2020290	1977118	2044994	1132077	16680	18870	63481	17568
*	HFA13682	-1.21	+1.38	+1.05	-1.09	+1.74	+1.28	+2.00	+1.43	224698	185601	310566	235389	205553	1188228	1237054	2941394	576949
*	HFA14066	-1.12	-2.02	-1.32	-1.43	-2.26	-2.67	-1.80	-1.32	99864	89114	49468	75716	69805	390216	287257	448440	321229
	HFA17472	-1.04	+1.14	+1.06	+1.00	+1.06	+2.13	+2.56	+1.00	15840	15169	18012	16750	15840	44244	37349	55375	75857
*	HFA19063	-1.67	+1.00	+1.00	+1.00	+1.00	-1.07	+4.23	+1.13	22040	13218	22040	22040	22040	16788	33678	40475	15840
	HFA20662	+1.17	+1.33	+1.02	+1.16	+1.08	+1.27	+1.77	+1.18	24454	28511	32446	24888	28286	22040	20537	93262	24896
*	HFA21137	+2.66	+3.05	+3.20	+2.02	+5.06	+3.73	+4.09	+3.50	68826	183162	210177	220301	138842	26315	31011	43276	28869
	HFA18152	-1.93	-1.37	+1.00	+1.00	+1.00	+1.00	+1.41	+1.00	22824	11855	16621	22824	22824	348348	256971	281233	241074
*	HFA09451	+1.91	+1.43	-1.02	+1.00	+1.03	+1.05	+2.98	+1.18	24120	46130	34396	23693	24120	22824	22824	32119	22824
*	HFA00694	-1.02	-1.05	+1.02	-1.32	-1.27	-2.04	-1.50	-1.21	119728	117513	114309	122544	90646	24748	25413	71790	28524
*	HFA02954	+1.40	+1.76	+2.50	+1.63	-1.14	+1.78	+1.83	+2.80	22512	31441	39672	56218	36705	93932	58828	79672	98833
	HFA04297	+1.72	+1.00	+1.00	+1.00	+1.06	-1.00	+1.32	+1.14	16428	28217	16428	16428	16428	19695	39975	41279	63069
*	HFA07628	-1.36	-1.45	-1.24	-1.65	-2.76	-3.79	-1.50	-1.90	51648	37915	35596	41684	31285	17415	16363	21737	18705
*	HFA06589	+1.66	+1.37	+25.67	-1.00	+65.80	+39.71	+7.05	-1.02	66400	110346	90976	1704157	66326	18710	13641	34417	27132
*	HFA10509	-1.03	-1.67	-2.07	-2.03	-2.58	-6.94	-2.93	-3.13	134464	130929	80366	64835	66321	4368866	2636551	468045	65179
*	HFA11256	-1.97	-3.68	-4.89	-2.40	-2.06	-3.54	-2.35	-1.83	988910	502915	268873	202285	412370	52135	19371	45891	42895
*	HFA16797	+1.21	+1.02	-1.41	-1.39	-3.14	-3.46	-2.60	-2.45	122876	149267	124817	86905	88291	480771	279373	420149	540610
*	HFA14775	+1.92	+1.11	+1.25	+1.01	-1.39	-1.70	+1.20	+1.23	159952	306717	177823	200475	161547	39158	35482	47273	50177
*	HFA14400	-1.14	-1.59	-1.05	-1.42	+1.01	-3.22	-1.47	+1.56	36828	32443	23224	35000	25950	114943	93930	191699	197157
*	HFA18224	+1.09	+1.00	-1.31	-1.30	-1.92	-2.72	-2.04	-1.71	167982	183191	168671	128617	129605	37150	11447	25039	57565
*	HFA19504	+1.45	+1.07	+1.04	-1.20	-1.39	-2.27	-1.21	-1.20	65122	94420	69973	67926	54093	87525	61651	82248	98052
*	HFA00444	-1.18	+1.16	+1.00	+1.00	+1.57	+1.69	+2.31	+2.82	19306	16368	22419	19306	19306	46928	28714	53821	54406
	HFA02692	+1.75	+1.16	+1.00	+1.26	+1.17	-1.33	+1.91	+1.31	26166	45855	30404	26166	32997	30307	32625	44540	54510
*	HFA02527	+1.08	-1.15	-1.15	+1.20	-1.38	+6.48	-1.34	+13.76	33424	36256	28946	29066	40152	30590	19637	49997	34373
	HFA02305	+1.46	+1.34	+1.18	+1.05	-1.21	+1.10	+1.35	+1.05	22614	33067	30238	26688	23745	24293	216666	24919	460067
*	HFA04339	+1.13	-1.24	-1.24	-1.13	+1.52	-1.44	-1.04	+1.58	400644	454563	322917	322063	354346	18656	24842	30627	23853
*	HFA06796	+1.34	+1.04	-1.18	+1.19	+1.05	-1.73	+1.26	+1.09	149990	200832	155780	127493	179205	607691	277314	384165	633705
*	HFA05953	+1.03	-1.54	-2.25	-3.12	-3.16	-5.20	-4.15	-5.33	374460	385930	242479	166322	120136	157761	86642	188794	163166
*	HFA07420	-1.07	+1.03	+1.00	+1.37	+1.05	+1.03	+1.32	+2.61	21480	20082	22038	21480	29485	118652	71974	90144	70257
*	HFA08740	+1.20	-1.01	-1.14	-1.40	-1.30	-1.98	-1.31	-1.52	108040	129259	107178	94466	76962	22486	22080	28328	56030
	HFA09823	+1.08	-1.01	+1.19	-1.06	+1.16	+1.31	+2.14	+2.29	21692	23387	21419	25825	20514	83126	54515	82387	71010
*	HFA10157	+1.05	-1.24	-1.38	-1.44	-1.53	-1.91	-1.25	-1.46	151112	158373	122281	109162	105177	25251	28524	46439	49593
*	HFA10844	-1.27	-2.18	-2.08	-3.04	-3.26	-4.78	-3.11	-2.63	532780	421040	243954	256045	175515	98579	79011	120965	103275
*	HFA10755	+1.00	+1.06	-1.83	-1.24	-3.21	-4.50	-2.57	-3.62	71312	71312	75381	39010	57438	163308	111369	171041	202623
	HFA12135	+1.58	+1.43	+1.57	+1.52	-1.03	+1.23	+1.47	+1.31	24172	38205	34655	38038	36674	22193	15839	27720	19721
*	HFA14549	+1.14	+1.06	+1.28	+1.00	+1.49	+1.31	+2.90	+1.04	41064	47012	43572	52634	41064	23552	29685	35541	31618
*	HFA16518	+1.40	+1.13	+1.00	-1.05	+1.23	+1.64	+2.67	+1.74	24560	34362	27817	24560	23314	60990	53713	119040	42830
*	HFA15282	-1.31	+1.20	+1.69	+1.85	+3.14	+1.43	+2.69	+7.87	697916	532910	835395	1179312	1289996	30320	40298	65603	42751
*	HFA16938	+1.13	-1.32	-1.70	-1.63	-2.92	-4.64	-2.95	-3.08	330548	374653	251221	194183	202759	2192134	995648	1879676	5495810
*	HFA15844	+1.23	+1.15	+1.38	+1.56	+1.03	+1.10	+1.96	+1.32	31200	38532	36026	43057	48721	113156	71211	112238	107156
*	HFA18150	+1.24	-1.23	-1.16	-1.35	-1.28	-2.35	-1.78	-1.88	61416	76219	49975	53069	45553	32242	34248	61247	41063
*	HFA18115	+1.34	-1.19	-1.03	-1.35	-1.16	-1.57	+1.01	-1.10	49448	66246	41534	48232	36680	48110	26094	34522	32719
	HFA18232	+1.20	-1.09	+1.03	-1.12	-1.05	-1.46	+1.04	-1.10	33160	39934	30348	34150	29712	42627	31458	49767	44879
*	HFA19975	+1.06	-1.28	-1.38	-1.45	-1.22	-2.98	-1.86	-2.98	260862	275253	204424	189079	180515	31576	22638	34518	30023
*	HFA19468	-1.16	-1.20	-1.13	-1.21	-1.59	-1.97	+1.23	-1.48	94852	82051	79227	83664	78093	214318	87643	140579	87652
*	HFA00104	+1.47	-1.03	+1.00	+1.17	-1.07	+1.11	+2.78	+1.52	18392	27049	17864	18392	21443	59615	48122	116929	63890
	HFA01073	+1.24	-1.01	+1.00	-1.03	-1.22	-1.37	-1.34	+1.07	25484	31682	25241	25484	24830	17222	20469	51087	27965
*	HFA01457	-1.03	-1.10	+1.05	-1.78	-1.30	-1.42	+1.46	-1.18	49738	48295	45327	52234	27970	20961	18647	19070	27193
*	HFA01841	+2.74	+1.74	+1.34	+1.73	+1.49	+1.28	+1.94	+1.59	30492	83400	52989	40993	52748	38175	35044	72844	42108
	HFA04774	+1.00	+1.28	+1.00	+1.00	+1.47	-1.00	+1.67	-1.02	19062	19062	24431	19062	19062	45499	39155	59007	48420
*	HFA05317	+1.14	+1.02	-1.05	+1.00	-1.12	+1.10	+2.71	+1.05	22080	25065	22578	21036	22080	27992	19015	31873	18653
*	HFA05701	+1.16	+1.14	+1.12	-1.14	+1.61	-1.38	+1.22	+1.18	88104	102481	100647	98998	77443	19802	24312	59732	23282
	HFA07933	-1.04	-1.08	+1.00	+1.00	+1.07	+1.15	+2.79	+1.01	15840	15196	14607	15913	15840	142039	63816	107839	103811
*	HFA08910	+1.22	-1.16	+1.01	+1.07	-1.04	-1.15	+2.06	+1.14	27038	32941	23299	27398	28893	16941	18139	44168	16007
*	HFA09294	-1.13	-1.19	-1.05	+1.01	-1.07	-1.30	+1.29	+1.39	37784	33379	31736	36051	38033	25887	23563	55721	30705
*	HFA11433	+1.18	+1.18	+1.08	+1.00	-1.09	+1.21	+2.40	+1.13	24428	28732	28753	26434	24450	35474	29073	48704	52651
*	HFA12405	+1.47	+1.06	+1.13	+1.04	+1.61	+1.37	+7.30	+1.48	24578	36106	26147	27783	25588	22514	29594	58685	27624
*	HFA12938	-1.07	+1.13	+1.00	+1.00	+1.10	+1.16	+5.34	+1.29	19618	18417	22221	19618	19618	39488	33759	179385	36396
*	HFA13322	+1.12	-1.13	+1.20	+1.36	-1.07	-1.15	+1.55	+1.11	44424	49660	39471	53218	60482	21511	22726	104773	25238
*	HFA13706	+1.95	+1.73	+1.66	+1.66	+2.94	+4.52	+5.46	+3.67	23490	45855	40656	38918	39098	41567	38525	68917	49336
	HFA17100	+1.07	+1.05	+1.00	+1.00	-1.09	+1.00	+2.41	+1.17	17324	18498	18164	17324	17324	68956	106178	128265	86248
	HFA17498	+1.14	+1.02	+1.00	+1.00	+1.00	-1.16	+1.18	-1.11	18648	21226	19046	18648	18648	15956	17377	41823	20296
*	HFA19087	+1.06	-1.03	-1.09	-1.36	-1.39	-2.15	-1.50	-2.09	770970	818677	747988	705834	567247	18648	16115	21914	16725
*	HFA20708	+2.01	+1.97	+1.28	-1.03	+3.93	+2.17	+3.48	+2.36	26782	53738	52749	34230	25903	555611	358417	514034	369727
	HFA21169	+1.45	-1.04	+1.00	+1.00	-1.22	+1.04	+1.41	+1.11	17312	25030	16698	17312	17312	105347	58219	93192	63244
	HFA19373	-1.11	+1.09	+1.04	-1.10	-1.12	-1.17	-1.09	-1.12	44144	39626	48015	46102	40067	14169	17924	24434	19216
	HFA04306	-1.02	+1.00	+1.00	+1.09	+1.00	-1.37	+1.10	+1.00	28958	28260	28958	28958	31620	39415	37760	40391	39270
*	HFA12723	+1.19	+1.38	+1.09	-1.10	+1.14	-1.78	+1.14	-1.22	354978	420937	488508	385904	322611	28958	21062	31823	28958
*	HFA00804	+1.68	+1.05	+1.17	-1.06	-1.21	-1.57	+1.09	+1.01	135122	226952	141612	157460	127914	403605	198994	403560	289981
*	HFA02947	-1.08	-5.42	-7.20	-2.05	-1.47	-1.82	-1.61	-1.04	680840	631677	125707	94624	332222	111933	86184	147471	136180
*	HFA04367	+1.87	+1.96	+8.50	+4.95	+4.11	+3.66	+7.65	+6.58	39676	74091	77573	337140	196352	462500	373500	422700	654265
*	HFA06640	+1.01	-1.25	+2.34	+1.58	+1.70	+1.63	+2.78	+4.50	35858	36249	28797	84071	56541	162879	145364	303512	261090
*	HFA06910	+1.06	-1.68	-1.93	-2.40	-2.12	-4.06	-2.52	-2.90	210346	222690	125256	109003	87809	61131	58421	99840	161297
*	HFA09698	-1.06	-1.79	-3.09	-1.84	-2.28	-3.58	-2.66	-3.40	830328	781703	463193	268727	452011	99360	51856	83351	72526
*	HFA10924	-1.46	-1.69	-2.55	-2.17	-2.63	-3.85	-2.27	-2.72	198190	135509	117347	77687	91154	364714	232108	312670	244550
*	HFA14449	+1.41	-1.54	-1.09	-1.04	-1.76	-1.81	+1.27	+1.42	66828	93939	43434	61294	64347	75324	51530	87385	72998
*	HFA15613	+1.14	-1.35	-1.12	-1.17	-1.05	+1.01	+1.43	+1.32	69246	78851	51108	61998	59172	37963	36828	84691	94641
	HFA16690	+1.14	+1.00	+1.02	+1.16	-1.01	-1.38	+1.01	+1.85	30400	34724	30400	30959	35311	66224	69794	99168	91640
*	HFA18139	+1.73	+1.09	-1.48	-1.44	-2.24	-3.74	-1.87	-2.08	153018	264968	166786	103480	106005	30103	21979	30651	56139
*	HFA20581	+1.49	-1.34	-1.40	-1.18	-1.67	-2.22	-1.54	-1.16	55718	82966	41593	39792	47037	68216	40937	81803	73527
*	HFA00276	-1.25	-6.39	-20.45	-14.83	-22.88	-52.06	-24.00	-35.09	814748	651176	127491	39844	54941	33339	25076	36107	48124
	HFA03385	+1.00	+1.04	+1.00	+1.00	-1.20	-1.31	+1.41	+1.06	16260	16260	16883	16260	16260	35603	15651	33954	23218
*	HFA03555	+1.41	+1.07	-1.09	-1.30	+1.02	-2.15	-1.63	-2.22	289854	407365	309562	264986	223236	13588	12399	22918	17170
*	HFA03619	-2.17	-2.07	-1.53	-1.96	-1.23	-2.22	-1.28	-1.72	328218	151422	158372	214066	167487	295161	135079	178288	130776
*	HFA04632	+1.43	+1.25	+1.00	+1.21	+1.27	+1.01	+1.41	+1.66	33680	48269	42126	33709	40728	267110	147547	255475	190817
*	HFA07244	-1.65	-2.33	-2.27	-3.75	-2.11	-2.27	-1.96	-1.84	97674	59222	41942	42979	26073	42706	34002	47625	55932
*	HFA07354	-2.52	-4.79	-2.34	-2.64	-2.20	-1.80	-1.57	-1.75	941860	373787	196795	401715	356970	46350	43063	49938	53140
*	HFA06592	+1.35	+1.24	+1.00	+1.37	+2.90	+2.44	+2.68	+3.17	23980	32419	29824	23980	32880	427975	523233	598805	536731
*	HFA08688	-1.41	-1.50	-1.45	-2.08	-2.06	-3.53	-2.79	-3.09	775606	549692	517637	535519	372425	69519	58540	64156	76054
*	HFA11214	+19.61	+6.34	+27.33	+16.82	+2.76	-1.12	-1.30	-1.47	37060	726923	234966	1012810	623520	376419	219731	277621	250798
*	HFA11357	-1.13	+1.16	+1.43	+2.06	+1.61	-1.02	+1.29	-1.08	228960	202648	266192	327763	471222	102304	33143	28438	25214
*	HFA10877	+1.37	+1.24	+1.14	-1.19	-1.27	-2.25	+1.33	-1.07	48800	67073	60462	55681	41049	369084	223773	295882	212969
*	HFA11785	-2.70	-2.38	-4.53	-3.54	-2.91	-5.39	-3.67	-4.34	668236	247683	280859	147367	188516	38299	21696	64702	45808
*	HFA12530	+1.36	+1.09	+1.00	+1.17	+2.43	+2.72	+2.45	+2.04	20480	27829	22261	20480	23981	229847	124077	181840	153916
*	HFA17029	-1.00	-1.82	-3.98	-1.52	-2.89	-3.65	-3.13	-3.26	215884	215868	118400	54208	141574	49669	55755	50151	41862
	HFA14974	+1.00	+1.11	+1.00	-1.04	+1.00	+1.06	+1.01	+1.00	16600	16600	18381	16600	15909	74635	59139	69059	66258
*	HFA15752	+1.36	+1.34	+1.00	+1.03	+1.53	+1.66	+2.27	+1.99	23996	32600	32094	23996	24744	16600	17549	16834	16600
	HFA14605	+1.00	-1.10	+1.00	+1.00	+1.00	+1.01	-1.06	+1.07	15214	15214	13777	15214	15214	36626	39715	54382	47840
*	HFA15687	+1.09	-1.09	+1.14	+1.19	+1.46	+1.28	+1.75	+1.41	51440	56204	47073	58714	61406	15214	15393	14406	16273
*	HFA18534	-1.15	-1.49	-1.63	-2.59	+1.05	-1.30	-1.30	-1.24	1120972	975069	750787	686929	433428	74862	65703	89972	72649
*	HFA17833	+1.10	+1.00	+1.00	-1.15	+1.11	-1.04	+2.37	+1.20	35660	39234	35767	35660	31066	1174861	861493	861480	903419
	HFA18444	+1.23	+1.01	+1.00	+1.20	+1.00	+1.14	+1.94	+1.17	21638	26580	21853	21638	26001	39440	34443	84446	42764
*	HFA20176	+1.86	+1.28	+1.27	+1.17	+1.36	-1.03	+1.59	+1.35	114204	212727	146309	145052	133750	21638	24624	42024	25320
	HFA20487	+1.46	+1.07	+1.00	+1.20	+1.18	-1.11	+2.02	+1.11	39308	57197	41891	39308	47096	155660	110375	181450	154304
	HFA00128	+1.16	+1.03	+1.00	+1.21	+1.32	-1.43	+1.46	+1.00	21520	25068	22184	21520	25960	46429	35309	79439	43520
	HFA01097	+1.21	+1.00	+1.00	-1.05	-1.15	+1.02	+1.45	+1.00	16420	19885	16428	16420	15630	28403	15084	31500	21520
*	HFA01481	+1.53	+1.07	+1.11	-1.02	+1.14	-1.52	+2.08	+1.14	33540	51181	35815	37378	32976	14246	16696	23749	16420
	HFA03657	+1.03	+1.01	+1.00	+1.00	-1.09	-1.04	+1.66	+1.14	25374	26108	25619	25374	25374	38115	22116	69732	38399
*	HFA04798	+1.89	+1.99	+1.32	+1.19	+2.27	+1.62	+2.30	+2.53	33400	63254	66526	44017	39780	23305	24502	42010	28845
*	HFA05341	+1.20	-1.21	+1.54	+2.06	+1.96	+3.43	+4.10	+5.95	471294	567589	388758	725622	969821	75701	54218	76730	84520
*	HFA05725	+1.27	+1.23	+1.21	-1.03	+1.59	-1.07	+1.54	+1.26	86324	109280	105966	104295	83994	926004	1616429	1930241	2804322
*	HFA07957	+1.54	+1.12	+1.08	+1.08	+1.02	+1.03	+4.93	+1.20	23640	36519	26593	25515	25440	137433	80704	133097	109036
	HFA08934	+1.56	-1.09	+1.00	+1.10	-1.03	+1.01	+1.92	+1.42	20174	31394	18573	20174	22282	24191	24254	116649	28326
	HFA09318	+1.21	-1.01	+1.00	+1.00	+1.00	-1.08	+1.50	+1.00	18388	22295	18274	18388	18388	19570	20408	38688	28661
	HFA11457	+1.47	+1.07	+1.00	+1.01	-1.16	+1.20	+1.88	+1.00	20168	29666	21626	20168	20292	18388	17003	27669	18388
*	HFA12429	+1.21	+1.21	+1.04	+1.00	-1.63	-1.02	+3.31	+1.11	31640	38306	38196	33034	31640	17389	24275	37861	20168
*	HFA12962	+1.85	+2.56	+4.87	+1.94	+9.37	+7.37	+10.93	+6.57	28436	52529	72705	138579	55210	19410	30967	104827	35275
*	HFA13346	-1.20	-1.14	-1.08	-1.65	-1.02	-2.42	+1.00	-1.68	537216	448525	471914	497698	325371	266523	209432	310859	186830
*	HFA13730	+1.01	-1.02	+1.00	+1.04	+1.00	+1.24	+3.82	+1.20	18128	18268	17856	18128	18860	528807	221552	538802	318922
*	HFA17125	+1.78	+1.87	+1.52	-1.06	+1.26	+1.23	+1.69	+1.00	33406	59547	62500	50667	31621	18128	22524	69249	21761
	HFA17524	+1.11	+1.15	+1.14	-1.01	+1.65	+2.00	+1.83	+1.34	17394	19327	20065	19915	17176	42128	41028	56584	33406
*	HFA19111	+1.80	-1.18	+1.08	+1.47	+1.43	+1.02	+1.72	+1.00	28220	50743	24015	30411	41411	28705	34744	31888	23245
	HFA20737	+1.83	+1.00	+1.00	+1.00	+1.00	+1.08	+2.48	+1.00	13234	24191	13234	13234	13234	40466	28805	48660	28220
*	HFA21194	-1.00	+1.27	+1.00	+1.29	+1.69	+3.34	+4.77	+2.74	22922	22866	29005	22922	29480	13234	14276	32853	13234
*	HFA00003	+3.38	+2.36	+2.47	+1.47	+4.22	+14.92	+6.02	+6.92	15036	50787	35538	37127	22039	38824	76655	109444	62790
*	HFA12344	+1.30	-1.39	-1.75	-1.82	-1.57	-1.83	-1.27	-1.26	175584	227436	126522	100551	96733	63495	224363	90465	104006
	HFA13623	+1.23	+1.19	+1.00	+1.00	+1.00	+1.00	+1.83	+1.00	16820	20694	19984	16820	16820	111485	95973	138754	139656
*	HFA00725	+1.30	+1.32	+1.16	+1.80	+1.49	-1.06	+1.56	+1.27	61070	79501	80491	70693	109825	16904	16820	30777	16820
*	HFA03597	-1.17	-2.21	-9.01	-2.16	-6.51	-10.30	-4.07	-4.80	454040	388545	205352	50385	210466	90725	57596	95493	77381
*	HFA04376	-1.39	-2.22	-2.55	-2.75	-2.80	-3.91	-3.11	-2.73	159466	114880	71705	62591	58022	69763	44091	111525	94541
	HFA07703	+1.52	+1.28	+1.01	+1.24	+1.40	+1.28	+1.02	+1.47	46620	70677	59571	47273	57831	57054	40736	51287	58363
*	HFA06916	+1.12	-1.39	-1.82	-1.31	+1.10	-1.45	-1.42	-1.56	133410	148763	96015	73214	102099	65243	59483	47758	68313
*	HFA11005	+4.54	+4.03	+1.32	+1.76	+2.45	+1.32	+1.88	+3.48	33280	151207	133958	43776	58600	146531	91865	94022	85627
*	HFA10848	+1.73	-1.24	-1.42	-1.19	+1.25	-1.11	+1.19	+1.79	89096	154455	71927	62622	74582	81411	43811	62495	115843
*	HFA14089	-1.18	-1.44	-1.49	-1.33	-2.21	-3.41	-2.12	-1.96	170170	143804	117856	113953	128212	111042	80434	105780	159374
*	HFA15796	-1.59	-1.48	-1.20	-2.16	-1.82	-2.79	-2.21	-2.24	168328	106062	113406	140600	77815	76834	49913	80412	86719
*	HFA16335	+1.45	+1.03	+1.20	-1.19	-1.32	-3.07	-1.56	-1.02	117564	170236	120938	141223	98738	92305	60432	76152	74990
*	HFA18462	+1.01	-1.88	-2.68	-1.91	-2.60	-3.61	-2.10	-2.56	212876	214237	113417	79462	111496	89239	38234	75531	115274
*	HFA20645	+1.66	+1.25	-1.02	-1.07	-3.19	-1.91	-1.73	-1.65	68940	114713	86283	67303	64333	81917	58914	101155	83054
*	HFA00459	+1.49	+1.02	+1.02	+1.23	+1.28	+1.09	+1.47	+2.59	22200	33121	22689	22595	27333	21591	36156	39829	41735
	HFA02638	+1.45	+1.26	+1.25	+1.27	+1.18	-1.04	+1.52	+1.38	25040	36306	31587	31409	31882	28308	24269	32533	57428
*	HFA01861	+1.27	+1.13	+1.00	+1.44	+1.26	+1.76	+2.01	+3.11	26000	33138	29484	26000	37528	29603	24181	38154	34554
	HFA03205	+1.53	+1.08	+1.00	+1.12	-1.02	-1.30	-1.00	+1.39	26618	40661	28777	26618	29715	32759	45822	52257	80950
	HFA04508	+1.14	+1.00	+1.00	+1.00	-1.03	-1.40	-1.28	-1.32	19774	22621	19774	19774	19774	26099	20515	26577	36982
	HFA06076	+1.41	+1.11	+1.00	+1.00	-1.26	-1.01	+1.41	+1.00	13026	18358	14462	13026	13026	19240	14086	15418	15006
*	HFA07283	+1.10	-1.16	+1.00	+1.14	-1.37	+1.22	+1.77	+7.00	31358	34510	26977	31358	35834	10327	12861	18347	13026
*	HFA06071	+1.32	-1.61	-2.09	-1.54	-1.60	-2.29	-1.78	-1.80	124080	163829	77187	59494	80401	22924	38151	55394	219558
*	HFA08251	+1.22	+1.12	+1.10	-1.02	-1.48	-1.23	+1.28	-1.04	170956	208529	192265	188644	167995	77381	54246	69621	69000
*	HFA11198	+1.29	+1.62	+3.87	+2.24	+1.44	+1.12	+3.67	+2.94	54978	70750	89137	212661	123284	118041	138746	218287	163880
*	HFA10892	+1.26	-1.04	-1.51	+1.09	-1.46	-1.69	+1.21	-1.16	62132	78582	59474	41218	67556	78975	61575	201727	161901
*	HFA10550	+1.76	+1.05	-1.11	-2.00	-1.35	-2.62	-1.45	-1.18	198696	349510	208731	179470	99406	42547	36691	75209	53588
*	HFA11751	+1.21	-1.23	-1.05	-1.34	-1.65	-1.43	-1.06	-1.03	74092	89530	60352	70494	55452	146771	75716	136873	168704
*	HFA12593	+1.23	+1.15	+1.23	+1.39	+1.31	-1.18	+1.20	+1.37	88318	108272	101910	108643	123099	45035	51900	70099	71742
*	HFA14913	+1.26	+1.00	+1.00	+1.09	+2.66	+1.43	+3.29	+2.62	29420	37104	29420	29420	32132	115731	74628	105793	121154
*	HFA15222	-1.03	-1.22	-1.06	-1.06	-1.08	-1.95	-1.41	-1.76	459800	444281	376230	434009	432829	78256	42139	96803	77177
*	HFA16232	+1.07	+1.08	+1.64	+1.34	+1.99	+1.30	+1.98	+1.84	178620	190784	192667	292510	240136	424949	235616	325534	260732
*	HFA15831	-1.27	-1.91	-2.37	-1.80	-2.10	-3.36	-2.55	-2.22	154464	122085	80966	65041	85930	355534	232567	354450	328553
*	HFA16645	+1.40	+1.05	+1.02	+1.29	+1.50	-1.11	+1.88	+1.22	46840	65772	49341	47923	60423	73471	45974	60599	69471
	HFA18173	+1.18	-1.18	+1.33	+1.05	-1.09	-1.16	+1.38	+1.41	33286	39282	28262	44379	35058	70265	42119	88081	57181
*	HFA18070	-1.05	-1.23	+1.04	-1.71	-1.18	-1.39	-1.18	+1.04	118828	113319	96766	123664	69348	30641	28674	45885	46783
*	HFA19854	+1.18	+1.45	+1.00	-1.05	-1.27	-1.34	+3.12	+1.17	19014	22364	27629	19014	18195	100578	85188	100832	123949
*	HFA19671	-1.21	-1.62	-2.16	-1.58	-1.58	-2.83	-1.78	-2.46	170298	141077	104932	78775	107452	15005	14183	59404	22282
	HFA20585	+1.84	+1.29	+1.43	+1.24	+1.05	+1.02	+1.80	+1.20	24806	45578	32014	35429	30839	107665	60129	95845	69294
	HFA00152	+1.44	-1.00	+1.03	+1.13	-1.39	+1.17	+1.84	+1.43	21570	31092	21553	22144	24451	26162	25373	44659	29815
	HFA01121	-1.24	-1.01	+1.00	+1.11	+1.07	-1.13	+1.23	+1.62	26792	21660	26409	26792	29689	15481	25185	39593	30917
*	HFA01505	+1.92	+1.54	+1.45	+1.30	+2.06	+1.17	+2.20	+1.89	57632	110546	88997	83291	74714	28712	23718	32836	43273
	HFA03681	+1.13	-1.03	+1.00	+1.00	-1.03	+1.23	+2.92	+1.60	15960	18046	15474	15960	15960	118909	67531	127057	109179
*	HFA04822	-1.07	+1.40	+1.00	+1.00	-1.19	-1.11	+3.58	+1.03	17992	16763	25204	17992	17992	15503	19667	46678	25593
*	HFA05365	+1.33	-1.06	-1.08	+1.05	+1.38	-1.41	-1.01	+1.17	163550	217592	154837	150952	171469	15062	16257	64463	18530
	HFA05749	-1.04	+1.03	+1.03	+1.00	+1.11	-1.05	+2.66	+1.03	17042	16446	17569	17496	17042	225948	115665	161189	191248
*	HFA07981	+1.05	+1.18	+1.03	+1.00	+1.31	+1.06	+3.86	+1.00	18560	19430	21809	19072	18560	18895	16253	45371	17627
	HFA08958	-1.09	-1.04	+1.00	+1.00	-1.03	-1.02	+2.32	+1.29	21480	19677	20739	21480	21480	24275	19757	71705	18560
	HFA09342	-1.44	-1.11	+1.00	-1.02	-1.56	-1.93	-1.16	-1.27	22436	15553	20199	22436	21898	20946	21109	49883	27774
	HFA11481	+1.15	-1.03	+1.01	+1.08	+1.30	+1.20	+2.71	+1.33	16628	19191	16080	16875	17931	14404	11634	19276	17631
*	HFA12453	+1.93	+1.45	+1.20	+1.74	+1.06	+1.47	+2.58	+1.54	28426	54890	41322	34040	49457	21649	19922	45054	22059
*	HFA12986	+1.72	+1.39	+1.39	-1.37	+1.25	-1.02	+1.89	-1.73	93704	161224	130219	130063	68394	30259	41675	73252	43699
*	HFA13370	+1.24	+2.34	+4.23	-1.06	+1.08	+1.64	+2.92	+1.30	41568	51720	97373	175747	39378	116830	92149	177544	54190
*	HFA13754	+2.07	+1.13	+1.22	+1.98	+1.60	+1.00	+1.74	+1.20	47594	98460	53637	57842	94164	44690	68171	121572	53849
*	HFA17701	+3.15	+3.35	+2.56	+1.96	+2.90	+2.22	+4.46	+3.63	57458	180836	192488	146812	112358	76225	47742	82605	57027
	HFA17551	+1.86	+1.04	+1.00	+1.00	-1.12	-1.13	+1.00	+1.00	14320	26608	14847	14320	14320	166473	127288	256387	208812
	HFA19135	+1.38	+1.00	+1.00	+1.02	-1.04	-1.43	+1.53	-1.08	31808	43974	31808	31808	32508	12819	12673	14369	14320
*	HFA20763	+1.21	-1.18	+1.00	+1.01	+4.31	+1.40	+2.17	+1.86	53488	64580	45430	53488	53828	30729	22308	48780	29414
	HFA21222	-1.10	+1.00	+1.00	+1.10	-1.28	+1.02	+1.23	+1.00	15270	13912	15270	15270	16743	230457	74940	116031	99577
*	HFA06353	-1.15	+1.19	+1.10	-1.10	+1.38	+1.16	+1.80	-2.18	2812164	2439889	3348546	3101360	2550166	11907	15524	18732	15270
*	HFA16589	+1.03	+1.45	+1.27	+1.24	-1.17	+1.32	+3.00	+1.18	21038	21596	30425	26623	25996	3877974	3261850	5064600	1290572
	HFA17436	+1.23	+1.29	+1.17	+1.00	+1.33	-1.75	+1.27	+1.00	21920	26860	28264	25707	21920	17951	27712	63154	24849
*	HFA00807	-1.18	-1.33	-1.07	-1.66	+1.07	-1.22	-1.34	-1.66	256064	217565	192476	239837	154415	29104	12498	27823	21920
*	HFA02861	+1.09	-1.41	-2.19	-1.85	-2.59	-3.79	-3.83	-2.85	113378	123163	80479	51788	61281	273440	210236	190948	154581
*	HFA04434	+1.51	-1.04	-1.22	+1.61	-1.87	-2.02	-1.01	-1.49	91624	138775	88076	75255	147631	43773	29905	29635	39820
*	HFA06094	+1.39	-1.24	+1.31	+1.38	+1.29	-1.22	+1.83	-1.19	45400	63007	36503	59455	62456	48976	45296	90315	61524
*	HFA06014	-1.01	-1.46	-1.39	-1.28	-2.09	-3.33	-1.86	-1.74	89764	89251	61668	64453	70345	58564	37302	83020	38123
*	HFA11377	+1.68	+1.20	-1.65	-1.86	-2.27	-5.20	-2.96	-2.33	663492	1114278	793134	402910	356986	42996	26939	48240	51454
	HFA10724	+1.38	+1.07	+1.00	-1.22	-1.23	-1.02	-1.12	-1.10	23080	31824	24607	23080	18963	291854	127613	224781	284697
*	HFA16046	+3.72	+2.78	+1.31	+1.44	+1.00	+2.01	+2.30	+3.11	22076	82024	61301	28827	31712	18830	22591	20633	21061
*	HFA14160	+1.06	-1.50	-1.21	-1.28	-1.56	-2.81	-1.23	-1.79	104156	110694	69529	85839	81141	22076	44480	50718	68597
*	HFA16546	+1.33	-1.21	-1.18	-1.32	-1.24	-1.07	+1.16	-1.12	48546	64645	40031	41118	36709	66566	37040	84833	58191
*	HFA17852	-1.03	+1.01	-1.63	-2.15	-2.55	-3.77	-2.86	-3.68	185020	179117	187188	113363	86069	39189	45231	56485	43238
	HFA00321	-1.24	+1.12	+1.03	+1.05	-1.16	+1.51	+1.18	-1.06	24646	19942	27718	25444	25767	72642	49085	64678	50243
*	HFA02365	+1.20	-1.00	+1.51	-1.22	+2.00	+1.72	+1.52	+3.16	88344	106053	88127	133419	72596	21244	37284	28975	23197
	HFA02737	+1.04	+1.05	+1.00	+1.05	+1.00	+1.14	+1.35	+1.21	17414	18051	18356	17414	18354	176877	151757	134442	279244
*	HFA01910	+1.58	+1.22	+4.92	+1.36	+1.85	+5.68	+6.48	+15.47	41112	64793	50323	202380	55894	17414	19814	23428	21055
*	HFA03171	+1.22	-1.12	-2.26	-2.80	-5.41	-6.16	-4.47	-2.97	772940	946319	688227	341445	276155	75976	233652	266229	635875
	HFA04635	-1.11	+1.09	+1.00	+1.00	-1.08	-1.17	-1.24	+1.00	15200	13686	16522	15200	15200	142821	125500	173081	260534
*	HFA07255	+1.48	+1.15	+1.24	+1.09	+5.23	+7.80	+9.65	+49.42	46202	68182	52985	57403	50570	14134	12973	12276	15200
*	HFA06158	-1.04	+1.09	+2.82	+1.27	+1.97	+1.52	+1.78	+2.56	176618	170625	193392	498937	225139	241489	360447	445771	2283400
*	HFA06456	+1.43	+1.19	+1.14	+1.15	+1.03	+1.14	+2.22	+1.85	29324	41863	34812	33377	33712	348791	268984	314504	452063
*	HFA08546	+1.37	+1.05	-1.40	-1.02	-1.18	-2.46	-1.07	-1.68	49332	67697	51763	35138	48349	30319	33521	65058	54311
*	HFA09689	+2.17	+1.38	+1.14	+1.78	+1.97	+1.38	+1.69	+1.33	119894	259921	165900	136254	213563	41705	20085	46211	29409
*	HFA11281	+1.25	+1.28	+1.00	+47.96	+52.75	+1.06	+1.70	+1.38	21154	26466	27014	21154	1014480	236132	165510	203207	159216
*	HFA09932	+1.01	-1.24	+7.20	-1.30	+4.32	+1.50	+10.03	-1.15	143230	144576	115064	1031279	110343	1115828	22507	35971	29185
*	HFA11880	+1.10	+1.15	-1.09	-2.13	-1.53	-2.33	-1.35	-1.91	118696	130364	136417	109274	55714	618235	214329	1436718	124689
*	HFA12549	+3.93	+1.81	+1.55	+2.41	+2.47	+2.00	+2.97	+2.21	70086	275115	126597	108575	168971	77651	50836	88137	62164
*	HFA16071	-1.00	+1.02	+1.12	+1.00	-1.23	-1.79	+1.21	+1.43	55888	55888	56777	62676	55888	172969	140242	208181	154792
	HFA16055	+2.13	-1.21	+1.00	+1.00	-1.18	-1.12	+1.74	+1.24	22980	48953	19065	22980	22980	45578	31201	67730	79879
*	HFA15597	+1.81	+1.34	+5.19	+3.59	+1.73	+1.39	+3.23	+5.44	49694	89832	66366	257763	178390	19461	20505	39901	28551
*	HFA14619	+2.36	+1.04	+1.00	+1.17	+1.16	+1.06	+1.69	+1.39	23248	54946	24292	23248	27161	85981	68942	160359	270177
	HFA14394	+1.80	+1.27	+1.00	+1.00	+1.00	+1.11	+1.42	+1.00	18228	32880	23114	18228	18228	27079	24733	39282	32288
	HFA17782	+1.47	+1.26	+1.00	-1.09	+1.14	+1.55	+1.81	+1.28	16174	23695	20380	16174	14854	18316	20282	25894	18228
*	HFA18356	+1.56	-1.14	+1.28	+1.31	+1.13	+1.93	+2.71	+1.89	31006	48383	27285	39729	40525	18484	25072	29324	20780
	HFA19852	+1.31	+1.49	+1.08	+1.10	+1.03	+1.32	+1.43	+1.58	20302	26651	30246	21954	22374	35042	59801	83974	58448

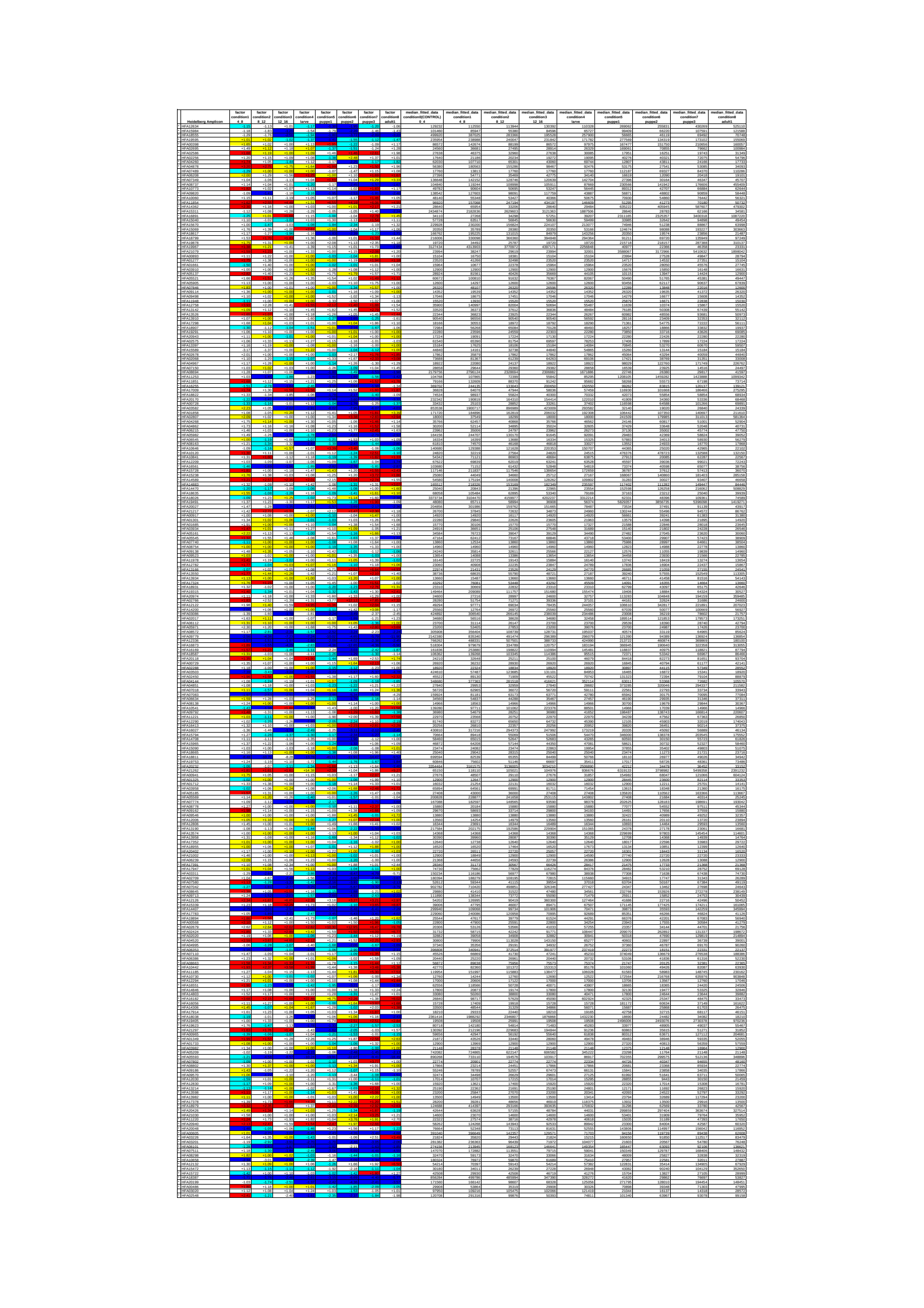


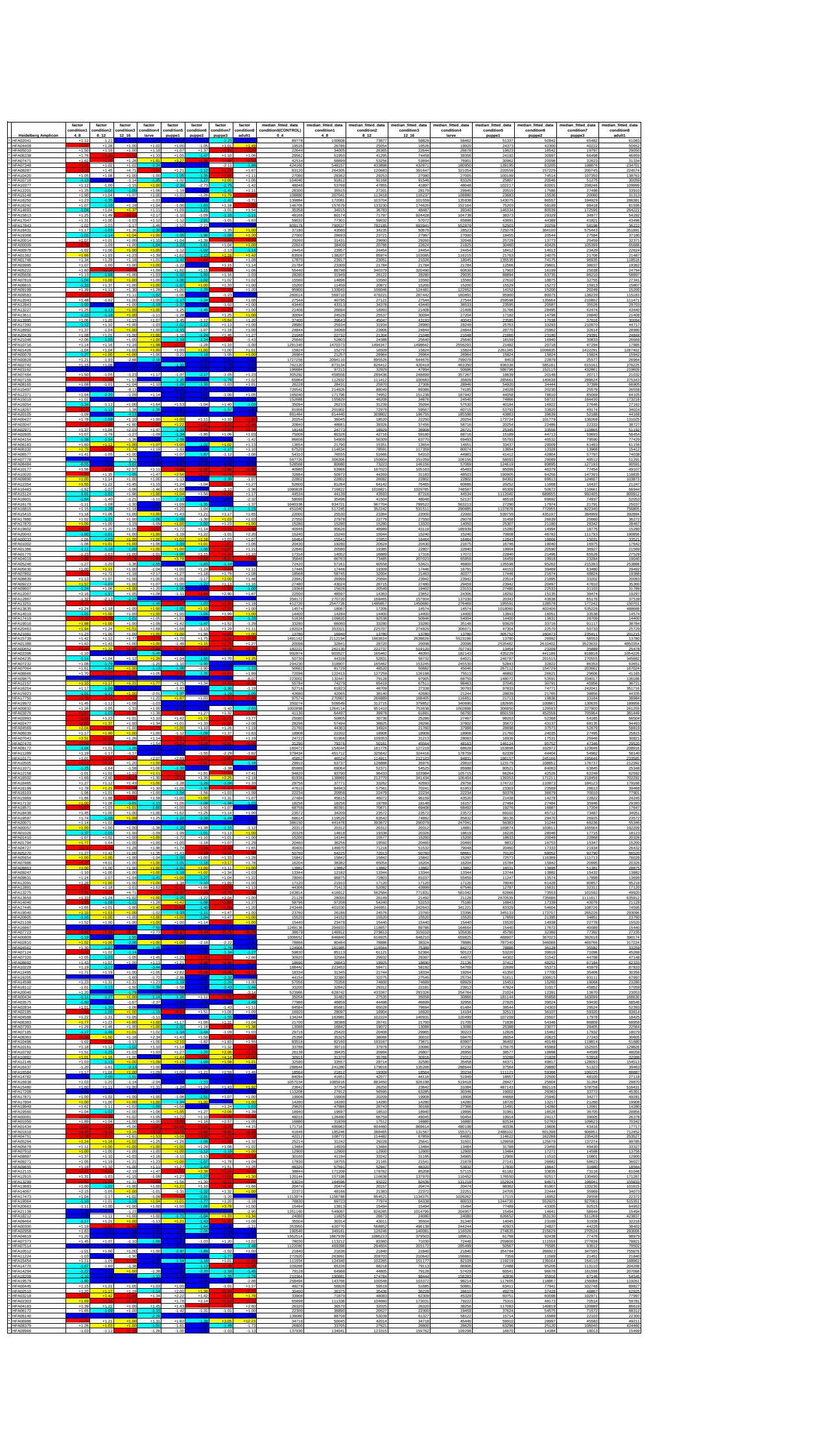


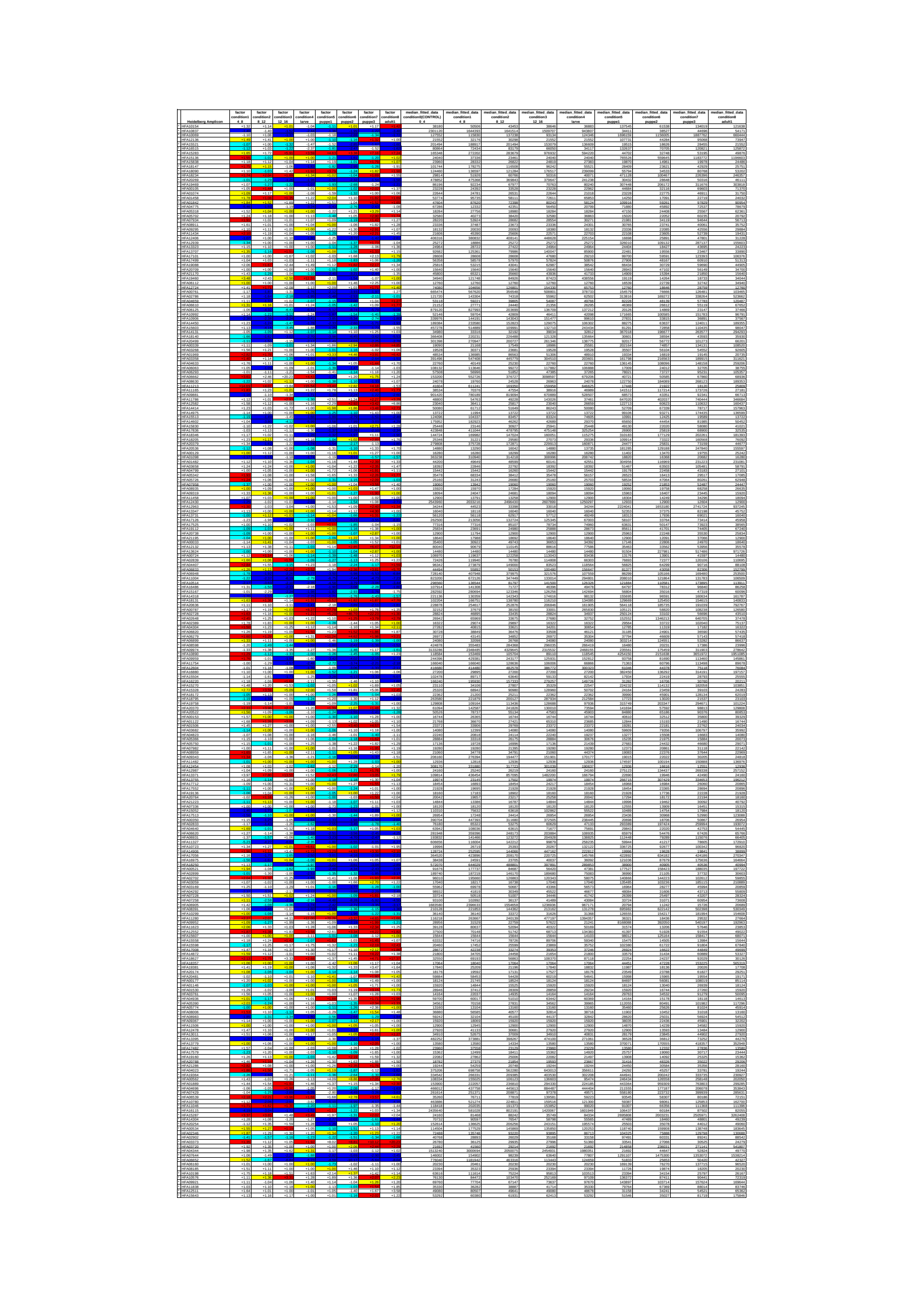


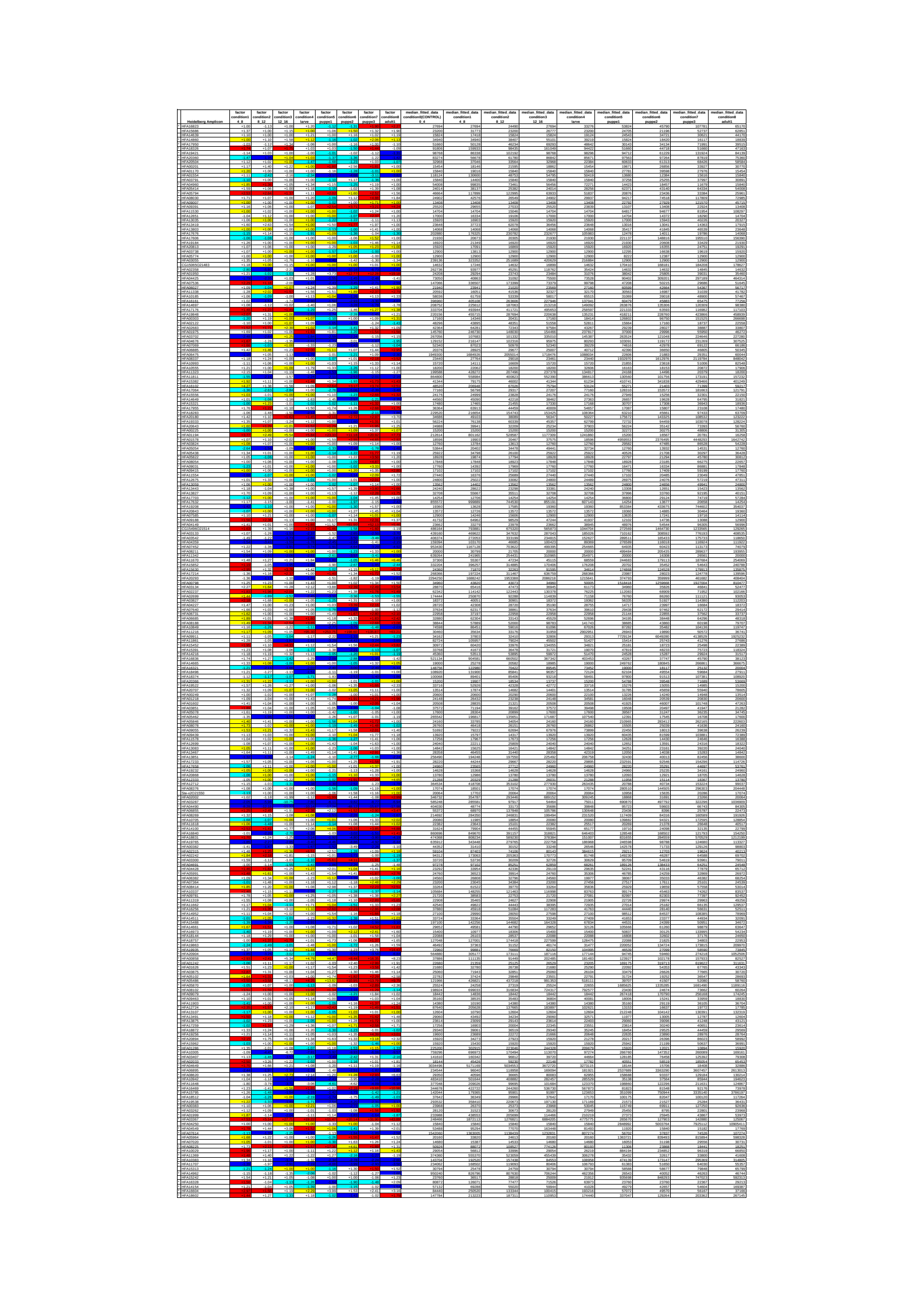
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA21150	+2.36	+1.87	+1.51	+1.43	+1.94	+1.51	+3.19	+1.94	22880	53982	42731	34573	32663	19974	28112	44836	15480
*	HFA19390	+1.43	+1.08	+1.51	+1.12	+1.69	+1.08	+1.94	+2.84	59276	85020	63977	89231	66184	44330	34482	73018	44495
*	HFA11519	+1.98	+1.07	+1.00	+1.00	+1.39	+1.36	+2.59	+1.37	25920	51386	27749	25920	25920	99994	63923	114872	168168
*	HFA00549	-1.71	-2.00	-1.79	-1.87	-1.96	-3.00	-2.07	-1.67	118434	69147	59184	66335	63364	35997	35137	67012	35440
*	HFA02153	-1.25	-1.79	-1.84	-2.20	-3.52	-5.70	-2.96	-5.08	142320	113466	79325	77308	64582	60505	39424	57243	70897
*	HFA04526	-1.39	-1.89	-1.41	+1.16	-1.17	-1.72	-1.18	+1.16	153126	109850	80901	108354	177997	40414	24980	48126	27993
*	HFA06710	+2.03	+1.11	+1.86	+2.22	+2.49	+1.43	+1.70	+1.74	31894	64651	35519	59294	70748	130408	89108	129842	177806
	HFA06898	+1.69	+1.47	+1.20	-1.07	+1.37	+1.14	-1.30	-1.53	106810	180829	157480	127925	100135	79473	45645	54251	55517
*	HFA09791	+1.06	+1.10	-1.00	-3.99	-1.62	-1.65	-2.37	-1.74	206374	219011	226759	206358	51786	146234	121478	82133	69652
*	HFA09863	+1.27	+1.57	+2.07	+1.65	+1.75	-1.45	+1.28	-1.10	52098	66126	81814	107979	85830	127715	125410	87201	118647
*	HFA16647	-1.28	-1.90	-2.65	-1.47	-1.49	-1.66	-1.58	-1.18	214304	166945	112916	80964	146225	91414	36013	66503	47394
*	HFA14384	-1.25	-1.23	+1.06	-1.29	-1.03	-1.08	+1.18	+1.45	270936	215996	220595	286775	210006	143833	128800	135362	182223
*	HFA14155	-1.91	-2.01	-2.33	-2.65	-1.88	-4.32	-3.52	-3.37	282598	147809	140259	121184	106546	262870	250388	321044	392507
*	HFA17818	+1.39	-1.09	-1.18	-1.39	-1.15	-1.95	-1.14	+1.23	63520	88284	58444	54033	45630	149992	65428	80256	83865
*	HFA19587	+1.30	-1.09	+1.00	-1.16	-1.42	-1.65	-1.16	-1.88	46008	59896	42284	46008	39499	55383	32621	55561	77909
*	HFA00781	+1.44	+1.33	+1.08	-2.11	-1.98	-1.57	-1.14	-1.09	2704674	3897066	3596495	2912933	1284508	32355	27888	39510	24504
	HFA02641	+1.80	-1.09	+1.00	+1.00	-1.02	-1.14	+1.06	+1.00	20614	37091	18879	20614	20614	1363323	1722261	2372246	2484528
	HFA02544	-1.19	+1.02	+1.00	+1.01	+1.00	+1.15	+1.02	-1.01	21062	17630	21484	21062	21192	20127	18086	21851	20614
*	HFA03488	+1.39	-1.87	-5.24	-3.68	-4.46	-7.34	-4.78	-5.79	432862	600616	231895	82640	117585	21062	24277	21563	20937
*	HFA04191	-1.62	-2.48	-1.77	-2.51	-5.55	-5.18	-3.95	-4.22	143092	88318	57743	80909	57080	97113	58957	90536	74821
	HFA06497	+1.14	-1.06	+1.00	+1.00	+1.00	+1.40	+1.30	+1.47	18414	21021	17334	18414	18414	25791	27599	36240	33870
	HFA07387	+1.74	+1.10	+1.00	+1.41	-1.20	-1.02	+1.22	+1.41	28480	49562	31376	28480	40089	18414	25699	23972	27008
*	HFA07341	+1.63	-1.05	+1.00	+1.03	+1.13	+2.08	+2.25	+1.29	23248	37860	22092	23248	23889	23807	27959	34608	40215
*	HFA08676	+1.52	+1.46	+1.20	+3.66	+1.39	+1.01	+1.27	+1.95	28402	43172	41504	34194	103982	26234	48320	52245	29890
*	HFA10672	+1.43	+1.13	-1.15	-1.00	+1.00	-1.16	+2.15	+1.53	39056	55772	44193	33890	39032	39388	28719	35947	55495
	HFA10152	+1.15	-1.20	-1.02	+1.07	-1.20	-2.39	-1.66	-1.43	194088	223380	161553	190865	207051	39056	33659	83916	59731
*	HFA11151	+1.07	-1.09	-1.00	+1.10	+11.73	-1.27	+1.32	-1.07	29320	31325	26982	29226	32127	161455	81191	116715	135779
*	HFA11778	-1.07	-1.13	-1.29	-2.06	-1.21	-3.28	-1.72	-2.35	531680	498106	469990	412369	257490	343979	23100	38783	27502
	HFA12519	-1.08	-1.42	+1.00	-1.30	+1.00	-1.39	-1.20	-1.10	30462	28252	21396	30462	23522	438256	162056	308480	225880
*	HFA14548	-1.11	+1.07	+1.00	-1.54	-1.41	+1.62	+2.33	+1.00	25760	23220	27521	25760	16694	30462	21861	25368	27586
*	HFA14971	+1.27	+1.03	+1.49	-1.01	+1.98	-1.01	+1.46	+1.36	288300	365848	295549	429950	285510	18290	41604	60002	25760
*	HFA15950	+2.41	+2.53	+17.82	+2.06	+5.02	+3.66	+1.61	+1.00	98340	237305	248546	1752635	202370	569961	284678	419727	392475
*	HFA14215	-1.53	-1.84	+1.02	-1.57	-1.53	+1.16	+1.44	+3.56	63092	41746	34245	64384	40081	493578	359918	157921	98655
*	HFA16666	+1.42	+1.01	+1.14	+1.12	+1.36	+1.13	+2.77	+1.96	22358	31802	22566	25592	24973	41183	73024	90930	224588
*	HFA18839	-1.44	-1.30	-1.54	-2.23	-2.31	-4.08	-2.92	-3.53	389152	271015	298574	252278	174639	30447	25238	62040	43713
	HFA18086	+1.12	+1.14	+1.00	+1.15	+1.00	-1.30	+1.49	+1.01	22720	25481	26006	22720	26078	168529	95341	133447	110129
*	HFA17989	+1.09	-1.05	+1.57	+1.14	-1.19	-1.51	+1.27	-1.15	115974	126556	110270	181910	131652	22720	17522	33897	22937
*	HFA19987	+1.12	-1.05	-1.06	-1.73	-1.46	-2.24	-1.79	-2.00	322482	361273	306313	303913	186237	97305	76965	147400	101005
*	HFA20572	-1.75	-2.32	-2.37	-2.26	-2.55	-3.99	-2.10	-2.35	133710	76557	57658	56504	59172	221621	144278	179800	161350
*	HFA00116	+1.59	+1.25	+1.00	+1.07	+1.62	+1.52	+3.03	+1.78	25720	40784	32251	25720	27408	52530	33537	63612	56814
*	HFA01085	-1.27	-1.42	-1.30	-1.62	+1.59	+1.42	-1.46	-1.95	221248	174117	156245	170845	136593	41773	39155	77816	45838
	HFA01469	-1.03	+1.00	+1.00	+1.00	-1.04	+1.24	+2.03	+1.03	22760	22064	22760	22760	22760	351380	314267	151654	113270
	HFA03645	+1.32	+1.08	+1.00	+1.00	-1.67	+1.10	+1.31	+1.00	15960	20988	17274	15960	15960	21811	28178	46254	23463
*	HFA04786	-1.27	+1.14	-1.49	-2.47	+1.54	-2.50	-2.16	-1.94	331794	261324	376916	222169	134085	9530	17490	20949	15960
*	HFA05329	+1.30	+1.14	-1.01	+1.04	+1.33	+1.14	+1.81	+1.47	47680	61877	54561	46986	49514	509363	132468	153440	171080
*	HFA05713	+2.13	+1.72	+1.85	+1.52	+2.69	+1.74	+3.78	+3.55	65826	140486	113539	121574	100046	63602	54491	86396	70187
*	HFA07945	+1.46	-1.05	-1.06	+1.00	+1.00	-1.06	+3.44	+1.06	36256	52778	34694	34360	36344	177301	114379	248831	233688
*	HFA08922	+1.86	+1.13	+1.04	+1.00	+1.00	-1.02	+1.03	+1.00	27320	50853	30772	28413	27437	36256	34103	124550	38311
	HFA09306	+1.73	+1.13	+1.00	+1.00	-1.00	+1.15	+2.23	+1.06	19568	33886	22040	19568	19568	27320	26722	28131	27320
	HFA11445	+1.00	+1.09	+1.00	+1.00	-1.01	-1.17	+1.42	+1.00	15468	15468	16792	15468	15468	19512	22451	43582	20706
*	HFA12417	+1.35	+1.04	+1.00	-1.02	+1.16	-1.23	+1.87	+1.02	47988	65012	50051	47988	46885	15367	13225	21922	15468
*	HFA12950	+1.03	-1.17	+1.00	-1.16	-1.05	-1.50	+1.62	-1.26	88448	90923	75572	88448	76385	55831	38978	89589	48976
*	HFA13334	+1.94	+1.28	+1.00	-1.01	-1.27	-1.97	+1.35	-1.09	28220	54866	36021	28220	27974	84575	58981	143506	70408
	HFA13718	+1.43	+1.04	+1.02	+1.05	-1.39	-1.36	+1.33	+1.02	25350	36258	26323	25745	26637	22209	14344	38017	25775
*	HFA17113	+1.80	+1.13	+1.73	+1.00	+1.23	-1.06	+1.00	+3.99	16110	28920	18258	27840	16121	18189	18584	33771	25846
	HFA17511	+1.46	+1.05	-1.03	-1.11	-1.01	+1.08	+2.07	+1.00	13574	19876	14275	13136	12283	19852	15252	16117	64263
*	HFA19099	+1.20	+1.00	+1.04	+1.00	+1.00	+1.00	+1.01	+2.41	25452	30442	25452	26357	25452	13494	14695	28077	13574
	HFA20724	-1.01	+1.00	+1.00	+1.00	+1.00	-1.03	+1.00	+1.00	12900	12753	12900	12900	12900	25452	25452	25822	61264
	HFA21181	+1.48	-1.01	+1.02	+1.00	+1.00	+1.06	+1.06	+1.00	26700	39424	26335	27240	26700	12900	12493	12900	12900
*	HFA20074	+1.04	+1.01	+1.05	-1.02	+1.23	+1.12	-1.01	+1.00	42300	44078	42811	44609	41302	26700	28326	28401	26700
	HFA10193	+1.05	+1.00	+1.01	-1.24	+1.00	+1.16	+1.01	+1.10	29312	30781	29312	29691	23629	52115	47340	41702	42300
*	HFA13046	+1.62	+1.05	-1.24	+1.14	-1.07	-1.74	-1.90	-1.38	55724	90245	58269	45052	63255	29459	33997	29739	32382
*	HFA00612	-1.06	-2.00	-2.55	-2.66	-2.97	-3.47	-3.15	-2.20	277298	261771	138404	108691	104399	52205	32079	29300	40515
*	HFA02979	+1.12	-1.47	-2.02	-2.90	-2.59	-4.32	-3.03	-3.30	529564	593060	359455	261931	182756	93496	79962	88129	126138
	HFA04464	+1.47	+1.17	+1.00	+1.34	+1.29	+1.56	+1.90	+1.70	23894	35144	27916	23894	32062	204535	122512	174588	160576
*	HFA07468	+1.20	+1.18	+1.05	-1.22	-1.26	-1.85	-1.18	-1.18	322880	388798	379817	337910	264230	30870	37198	45361	40599
*	HFA06956	+1.12	-3.17	-8.54	-6.49	-4.90	-5.84	-3.59	-9.21	2966882	3337618	937103	347278	457487	256646	174933	274380	274373
*	HFA11021	+2.15	+1.31	-1.15	-1.20	-1.16	-1.41	-1.08	-1.69	81532	175478	107038	70826	67873	605094	507612	826573	322134
*	HFA10613	-1.10	-1.03	-1.06	-1.26	+1.42	+1.13	+3.47	+1.21	643128	586054	622841	605258	509480	70381	57892	75805	48196
*	HFA16760	+1.66	+1.60	+1.63	+1.35	+1.81	+1.39	+2.02	+4.27	65882	109590	105696	107364	89216	911782	727731	2233118	779506
*	HFA15685	+1.35	+1.00	+1.00	-1.01	+1.00	+2.12	+2.34	+6.30	14720	19911	14720	14720	14535	119259	91800	133257	281449
*	HFA15305	-1.25	-1.47	-1.35	-1.71	-2.09	-3.82	-2.04	-2.02	83388	66727	56820	61716	48764	14720	31158	34430	92686
*	HFA18424	+1.52	-1.32	-1.41	+1.05	-2.51	-1.71	+1.21	+1.25	113094	171947	85608	80021	118977	39887	21832	41397	41238
	HFA20571	+1.01	-1.62	-1.21	-1.23	-1.69	-3.32	-1.47	-1.31	43238	43651	26684	35590	35124	45063	65957	136667	141017
*	HFA00461	+1.32	-1.12	-1.40	-1.74	-1.98	-3.36	-2.30	-1.82	179842	237277	161071	128706	103573	25574	13030	29319	33039
*	HFA02556	+1.16	+1.09	+1.00	+1.05	+1.23	+1.20	+1.92	+2.07	27188	31422	29506	27188	28567	90800	53449	78259	98956
*	HFA02541	+1.34	-1.30	-1.42	-1.51	-1.36	-2.35	-1.24	-1.21	75884	101662	58158	53514	50347	33320	32611	52163	56381
*	HFA02486	+1.51	+1.08	+1.57	+1.36	+2.13	+4.91	+4.76	+5.99	29202	44117	31451	45842	39788	55920	32351	61352	62601
	HFA04499	+1.29	-1.02	+1.00	+1.01	-1.28	-1.51	+1.13	+1.05	24756	31837	24245	24756	24966	62272	143246	138882	175001
*	HFA06494	-1.53	-2.51	-1.72	-1.52	-1.68	-1.82	-1.49	-1.34	92834	60585	36917	53722	61168	19382	16437	27879	26064
*	HFA06287	+2.23	+1.11	+1.30	+1.41	+1.11	+1.07	+1.03	+1.13	31100	69365	34465	40438	43855	55120	50944	62139	69100
*	HFA06889	-1.02	-1.10	-1.62	-2.10	-2.03	-3.17	-2.38	-3.42	319922	314910	292096	197522	152080	34489	33251	31895	35206
*	HFA08634	+1.94	+1.15	+1.00	+1.20	+1.87	+2.79	+3.66	+3.91	28422	55042	32722	28422	34202	157699	100931	134236	93637
*	HFA09663	+1.53	+1.07	+1.08	+1.32	+4.42	+96.27	+75.92	+10.71	24580	37686	26336	26444	32337	53170	79367	104133	111032
*	HFA10920	-1.28	-1.89	-2.29	-1.95	-1.16	-1.45	-1.32	-1.15	129480	101031	68656	56455	66496	108708	2366416	1866098	263176
*	HFA10589	+1.46	-1.20	+1.00	+1.06	+2.68	+1.61	+6.59	+2.86	25738	37618	21375	25738	27155	111266	89590	97834	112837
	HFA11765	-1.12	+1.04	+1.00	+1.00	-1.31	-1.20	-1.04	+1.18	28220	25279	29224	28220	28220	68981	41357	169503	73574
*	HFA12594	+1.37	+1.15	+1.18	+1.07	+2.76	+1.30	+1.03	+1.00	22720	31104	26017	26913	24239	21541	23614	27071	33323
*	HFA16622	+1.15	+1.18	+1.00	+1.03	+1.05	+1.13	+4.08	+1.66	20960	24004	24821	20960	21494	62741	29491	23351	22720
	HFA14533	+1.23	-1.06	-1.06	+1.00	-1.32	-1.35	-1.09	-1.29	30914	38170	29119	29246	30914	21926	23746	85605	34691
*	HFA15510	+1.80	+1.02	-1.05	+1.11	-1.04	-1.37	+1.10	+2.08	39018	70159	39758	37021	43423	23383	22956	28247	24046
*	HFA14263	+2.20	+1.37	+1.00	+1.03	+1.00	+1.05	+2.31	+1.58	21890	48177	29891	21890	22577	37512	28457	42964	81105
*	HFA14558	-1.57	-1.14	-1.50	-2.04	-1.01	-1.93	-1.16	-3.47	542784	345548	475844	363038	266150	21999	22891	50492	34485
*	HFA18175	-1.38	-2.64	-2.38	-4.49	-3.93	-5.43	-4.11	-4.53	193426	140586	73253	81321	43043	537568	280974	468206	156339
*	HFA18077	-1.11	-1.78	-1.43	-1.72	-2.11	-3.26	-1.13	-1.04	98596	89187	55239	70038	57173	49157	35631	47028	42744
*	HFA20368	-1.12	-1.51	-1.66	-1.82	-2.28	-3.13	-2.72	-2.11	68612	61431	45375	41342	37631	46819	30267	87205	94671
*	HFA20089	+2.34	+1.39	+1.06	-1.10	+1.33	-1.42	-1.13	-1.06	353456	826976	489972	373456	320354	30096	21888	25235	32509
*	HFA20500	+1.04	-1.73	-1.48	-1.81	-3.20	-3.88	-2.80	-2.96	180190	187859	104038	121437	99302	469777	248550	313811	332070
	HFA00140	-1.07	+1.09	+1.01	+1.10	+1.06	-1.02	+1.37	+1.21	22468	20921	24527	22657	24605	56325	46444	64332	60917
	HFA01109	+1.36	-1.16	+1.00	+1.00	+1.00	+1.00	+1.09	+1.00	15640	21195	13507	15640	15640	23914	22123	30730	27078
*	HFA01493	+1.25	+1.05	+1.00	+1.04	+1.19	-1.26	+1.91	+1.13	29440	36945	31040	29440	30525	15640	15640	17057	15640
	HFA03669	-1.08	+1.18	+1.00	+1.00	+1.00	+1.00	+1.83	+1.00	15920	14681	18807	15920	15920	34900	23375	56349	33390
	HFA04810	+1.14	+1.43	+1.03	+1.00	+2.05	+1.71	+1.37	+1.32	19514	22243	27952	20033	19514	15920	15990	29096	15920
	HFA05353	+1.00	+1.09	+1.00	+1.00	-1.13	-1.16	+1.70	+1.00	17240	17240	18716	17240	17240	39912	33363	26790	25836
*	HFA05737	+5.02	+4.17	+3.30	+1.74	+2.83	+3.25	+4.48	+5.06	40392	202767	168542	133476	70295	15279	14911	29375	17240
*	HFA07969	+1.60	+1.90	+1.91	+1.36	+3.23	+1.79	+4.97	+2.03	27656	44254	52646	52828	37629	114242	131085	180785	204288
	HFA08946	+1.28	-1.04	+1.00	+1.00	-1.04	+1.26	+2.15	+2.52	17040	21895	16317	17040	17040	89204	49432	137414	56140
	HFA09330	+1.03	+1.00	+1.00	+1.00	+1.00	+1.60	+1.79	+1.49	18000	18485	18000	18000	18000	16338	21553	36552	43001
*	HFA11469	-1.14	-2.24	-2.34	-1.86	-1.16	-2.43	-1.63	-1.35	377500	331059	168536	161437	203281	18000	28851	32296	26814
	HFA12441	+1.59	+1.12	+1.00	+1.00	-1.16	+1.34	+1.45	+1.36	20102	31915	22596	20102	20102	326698	155102	231787	279471
*	HFA12974	-1.08	+1.04	+1.00	+1.00	-1.05	+1.08	+2.70	+1.00	18876	17426	19590	18876	18876	17274	26943	29143	27305
*	HFA13358	+1.02	+1.08	-1.05	-1.00	+1.33	+1.13	+5.17	+1.09	36216	36962	39151	34432	36146	18062	20396	50922	18876
*	HFA13742	-1.09	-1.32	-1.53	-1.24	-1.54	-1.89	-1.17	-2.02	64178	58684	48517	41952	51956	48013	40883	187315	39549
	HFA17189	+1.63	+1.43	+1.03	+1.00	+1.44	+1.03	+1.70	+1.25	20598	33617	29405	21119	20598	41807	33916	54930	31850
	HFA17538	+1.53	-1.51	-1.20	-1.04	-1.39	-1.99	-1.28	-1.12	57096	87230	37914	47559	54707	29645	21201	34991	25803
*	HFA19123	-1.07	+1.08	+1.00	+1.01	+1.00	-1.03	+3.33	+1.00	16894	15860	18172	16894	16983	41179	28733	44531	51044
*	HFA20751	+1.31	-1.06	+1.18	+1.05	+1.05	-1.18	+1.67	+1.02	221962	290125	209414	262896	233828	16925	16430	56303	16894
	HFA21205	+1.07	+1.01	+1.04	+1.00	+1.19	+1.05	+1.23	+1.13	22008	23511	22255	22942	22008	232330	187684	369944	225679
*	HFA00907	+1.19	+1.15	+1.55	+1.00	+1.44	-1.04	+1.56	+1.56	151928	180129	174421	235281	152496	26167	23050	27033	24847
*	HFA16592	-2.12	-3.07	-3.07	-4.84	-2.07	-4.50	-4.31	-4.94	270580	127762	88014	88239	55890	218334	145684	236378	237228
	HFA13959	-1.54	-1.06	+1.00	+1.01	-1.38	-1.02	+2.18	+1.07	22440	14589	21168	22440	22694	130896	60074	62810	54755
*	HFA00770	+1.16	-1.48	+1.00	+1.03	-1.49	-1.70	-1.39	-1.01	53368	62072	36098	53368	55143	16255	22070	48901	24013
*	HFA02935	+1.01	-1.43	-1.63	-1.45	-1.69	-1.72	-1.33	-1.26	108996	110474	76004	67010	75177	35751	31395	38499	52733
*	HFA04336	+1.41	+1.09	+1.00	+1.32	+2.02	+3.60	+3.89	+5.94	24026	33784	26291	24026	31710	64572	63404	82154	86829
*	HFA07559	-1.06	+1.02	-1.17	-1.86	+1.15	-1.80	-1.71	-1.89	228560	215611	232550	194640	122976	48499	86553	93497	142595
	HFA06677	-1.07	-1.09	+1.00	+1.00	+1.00	-1.22	-1.12	+1.08	19120	17913	17500	19120	19120	262189	126863	133733	120918
	HFA11363	-1.08	+1.21	-1.00	-1.01	+1.20	-1.87	-1.14	-1.04	517600	479803	627513	515719	510190	19120	15722	17062	20636
*	HFA10404	+1.64	-1.02	+1.02	+1.07	+1.12	+1.47	+2.43	+1.92	27726	45556	27143	28145	29599	622870	277343	452345	498363
*	HFA16497	-1.01	+1.02	-1.33	-1.48	-1.11	-3.10	-1.66	-1.91	134992	134166	137809	101230	91135	31185	40661	67359	53329
*	HFA14162	+1.70	-1.33	-1.47	-1.17	-4.17	-3.61	-1.19	-1.29	641884	1091042	481846	437721	549573	122017	43487	81536	70784
*	HFA16353	-1.09	-1.17	-1.16	-1.92	-1.59	-2.10	-1.85	-1.50	128790	118214	109878	111196	67127	154050	177706	538784	497260
*	HFA17824	+1.02	-1.75	-1.64	-1.52	-2.69	-3.99	-2.96	-3.34	371398	380481	212761	225972	243600	80854	61280	69722	86057
*	HFA00532	+1.25	+1.43	+2.47	+1.53	+5.32	+10.23	+5.61	+7.43	69338	86592	98935	171205	106266	138294	93031	125418	111204
*	HFA03120	-1.18	-2.20	-1.84	-2.93	-3.87	-4.07	-3.19	-2.25	171772	145010	78139	93506	58538	369121	709604	388791	515050
*	HFA02687	+1.28	-1.12	+1.32	+1.26	+1.02	+1.14	+2.20	+2.31	38800	49586	34546	51283	49032	44393	42223	53896	76220
*	HFA01947	+1.09	+1.09	+2.29	+1.54	+2.41	+2.01	+2.03	+1.43	53946	59058	58797	123411	83071	39415	44101	85330	89592
*	HFA02653	+1.22	-1.03	-1.09	-1.93	-1.08	-2.13	-1.72	-1.71	85804	104266	83529	78730	44406	130008	108204	109474	77203
	HFA04199	+1.32	+1.02	+1.00	+1.00	-2.14	+1.11	-1.23	+1.13	18812	24874	19170	18812	18812	79655	40293	49763	50224
*	HFA07233	+1.18	+1.29	+1.00	+1.02	+1.55	+2.10	+1.86	+12.52	19898	23392	25745	19898	20199	8805	20829	15270	21193
*	HFA07274	+2.20	+1.57	-1.07	-1.03	-1.08	-1.40	+1.04	-1.42	62120	136915	97337	58119	60422	30927	41847	36922	249067
*	HFA07499	+1.28	-2.58	-4.29	-2.75	-3.39	-5.54	-3.20	-4.36	206902	264350	80160	48178	75161	57606	44235	64426	43645
	HFA08604	+1.03	-1.04	+1.00	+1.00	-1.28	-1.18	-1.00	+1.22	15700	16097	15085	15700	15700	61029	37370	64697	47484
*	HFA10982	+1.59	+1.28	+1.44	+1.23	+1.73	+1.38	+2.40	+2.25	49578	78686	63220	71231	60841	12252	13322	15700	19126
	HFA10596	+1.64	+1.41	+1.00	+1.34	+1.00	+1.28	+1.38	+2.10	22260	36592	31333	22260	29903	85741	68254	119181	111533
*	HFA10487	-1.03	-1.02	+1.21	-1.71	-1.00	-1.03	+1.45	-2.52	3172114	3089486	3115424	3825542	1850178	22260	28521	30690	46835
*	HFA11704	+1.01	-1.24	-1.18	-1.54	+1.07	-1.73	-1.04	-1.82	1186560	1201531	956961	1003509	769400	3164823	3074492	4593202	1260768
*	HFA12596	+1.96	+1.74	+6.83	+2.38	+3.21	+7.77	+20.07	+19.82	58260	114196	101278	397647	138670	1269295	684672	1145217	652899
*	HFA14910	+1.03	+1.02	+1.01	+1.00	+1.79	+1.88	+2.70	+5.02	23760	24523	24157	23955	23760	186879	452496	1169535	1154436
*	HFA16152	+1.03	-1.01	+1.09	+1.00	+1.38	-1.14	+2.04	+1.24	30480	31369	30292	33212	30480	42448	44634	64216	119227
*	HFA15986	+1.94	+1.66	+2.77	+1.01	+1.66	+1.75	+2.65	+3.03	24482	47448	40617	67711	24605	41973	26810	62202	37892
*	HFA15269	+1.62	-1.03	+1.00	+1.26	+1.16	-1.47	+1.19	-1.15	116494	188179	113258	116525	146825	40682	42849	64770	74256
*	HFA14724	+1.87	-1.10	+1.00	+1.22	+1.00	-1.06	+1.96	+2.36	23760	44548	21680	23760	29098	135161	79431	138130	101619
*	HFA18167	+1.67	+1.85	+2.21	+1.81	+1.78	+1.25	+2.46	+2.16	53962	90278	99662	119519	97453	23760	22360	46530	56091
	HFA18395	+1.56	+1.95	+1.58	+1.39	+1.00	+1.09	+1.91	+1.35	22724	35432	44358	35840	31497	95804	67694	132655	116698
	HFA19833	+1.00	+1.06	+1.00	+1.06	+1.16	+1.06	+1.26	+1.00	16202	16202	17099	16202	17230	22724	24815	43494	30615
*	HFA20160	+1.92	-1.27	-1.39	-1.91	-2.80	-2.21	-1.51	-1.89	83378	160261	65488	59889	43723	18845	17118	20487	16202
*	HFA20515	+1.41	-1.02	-1.18	+1.07	+1.02	-1.49	+1.39	-1.48	74846	105863	73270	63355	79717	29822	37807	55117	44076
	HFA00164	+1.97	+1.11	+1.00	-1.05	-1.17	-1.42	-1.05	+1.00	23400	46016	25980	23400	22336	76069	50087	104233	50646
	HFA01133	+1.03	+1.10	+1.00	-1.01	-1.19	-1.07	+1.14	+1.03	16054	16568	17630	16054	15943	20084	16499	22386	23400
*	HFA01517	+1.71	-1.07	+1.00	+1.00	-1.08	+1.30	+2.72	+1.22	23420	40022	21852	23420	23420	13490	15065	18331	16478
	HFA03742	+1.71	+1.01	+1.00	+1.00	+1.00	+1.08	+1.10	+1.00	17120	29218	17283	17120	17120	21777	30518	63735	28685
*	HFA04834	+1.31	+1.37	+1.00	-1.48	-1.46	-1.48	+1.01	-1.04	37540	49298	51330	37540	25299	17120	18412	18834	17120
*	HFA05377	+1.36	+1.05	+1.00	+1.00	+2.90	+2.73	+4.19	+5.67	16854	22971	17620	16854	16854	25638	25340	37900	36164
*	HFA05761	+1.34	+1.24	+1.11	+1.00	-1.10	+1.39	+2.36	+1.51	24000	32041	29722	26624	24000	48903	46064	70614	95551
*	HFA07993	-1.15	-1.34	-1.51	-1.05	-2.37	-2.00	-1.39	-3.69	68786	59857	51274	45619	65672	21890	33331	56641	36138
	HFA08970	-1.04	-1.00	+1.00	+1.00	-1.04	-1.04	+1.74	+1.00	19984	19134	19911	19984	19984	29635	34429	49454	18620
*	HFA09354	-1.25	-1.23	-1.20	-1.73	-1.30	-2.87	-1.51	-1.80	175022	139685	142524	145481	101379	19283	19205	34806	19984
*	HFA11493	+2.01	+1.27	+1.00	+1.41	+1.23	+1.26	+1.61	+1.29	28460	57281	36118	28460	40150	134657	60998	115888	97167
	HFA12465	+1.52	+1.16	+1.00	-1.06	+1.00	-1.14	+1.90	+1.00	18574	28213	21596	18574	17454	35072	35931	45812	36571
	HFA12998	+1.14	-1.18	+1.00	+1.00	-1.05	-1.01	+1.10	+1.00	20582	23392	17414	20582	20582	18574	16339	35238	18574
*	HFA13382	+1.00	+1.07	-1.02	-1.17	-1.04	-1.71	+1.88	+1.03	30002	30002	32209	29288	25652	19635	20405	22568	20582
*	HFA13766	+1.26	+1.14	+1.04	+1.12	+1.04	+1.10	+1.80	+1.29	32270	40648	36807	33513	36206	28896	17577	56343	30903
	HFA17338	+1.91	+1.00	+1.01	+1.00	+1.00	-1.03	+1.00	+1.22	17340	33130	17340	17598	17340	33720	35642	58099	41502
	HFA17565	+1.41	+1.00	+1.00	+1.00	-1.07	-1.19	+1.14	+1.00	15336	21667	15336	15336	15336	17340	16825	17347	21111
	HFA19147	-1.06	+1.00	+1.00	-1.01	+1.00	-1.06	-1.00	+1.00	24240	22866	24240	24240	24003	14275	12874	17466	15336
	HFA20775	+1.75	+1.23	+1.00	+1.01	+1.32	+1.84	+1.00	+1.76	17200	30146	21174	17200	17447	24240	22972	24240	24240
	HFA21234	+1.07	+1.06	+1.00	+1.04	+1.00	+1.00	-1.06	+1.00	15200	16246	16151	15200	15842	22646	31669	17200	30299
	HFA15275	-1.00	+1.00	+1.00	+1.00	+1.00	-1.41	-1.00	-1.18	15184	15184	15184	15184	15184	15200	15200	14324	15200
*	HFA18503	+1.13	+1.01	-1.03	-1.16	+1.35	-1.70	+1.09	-1.33	48238	54309	48880	46970	41598	15184	10764	15184	12907
*	HFA19292	-1.06	+1.10	+1.24	-1.00	+1.19	-1.03	+1.65	+1.04	30300	28617	33422	37426	30274	64997	28437	52726	36277
*	HFA00826	-1.16	-1.66	-1.68	-1.84	-1.45	-2.34	-1.84	-1.71	170042	146309	102742	100931	92443	36144	29445	50078	31647
*	HFA02966	+1.39	-1.33	-1.42	-2.62	-2.38	-2.60	-1.87	-1.77	337888	470439	254487	238015	128753	117346	72538	92600	99434
*	HFA04700	+1.49	-1.05	+1.12	-1.00	-1.18	-1.14	+1.06	-1.23	67568	100547	64358	75561	67512	142155	129894	180322	190655
*	HFA07562	+1.27	-1.08	-1.40	-1.21	-2.19	-3.37	-2.03	-2.14	69010	87600	63922	49258	57216	57332	59093	71843	54801
*	HFA06522	+1.17	-1.80	-1.50	+1.41	-2.17	-2.61	-1.16	+1.37	213322	249415	118689	141877	301059	31574	20470	34013	32290
*	HFA10943	+1.04	-2.44	-1.67	-1.93	-2.60	-4.54	-2.93	-2.51	331496	343702	135900	198944	171785	98181	81810	184504	292022
*	HFA11083	+1.64	+1.26	+1.57	+1.22	+1.98	-1.01	+1.38	+1.80	133366	218997	168354	209789	163075	127426	73005	113160	132009
*	HFA16892	-1.28	-1.65	+1.55	+1.53	-1.65	-1.85	-1.40	+1.00	54856	42862	33291	84968	83970	264545	131597	184426	239826
*	HFA15471	+1.70	+1.04	+1.14	+1.77	+1.83	+1.36	+3.34	+5.24	44202	75282	45761	50470	78317	33314	29622	39164	54957
*	HFA16929	-1.66	-2.07	-2.39	-2.23	-3.14	-3.97	-2.41	-3.43	153200	92308	73839	65191	68547	80762	59967	147656	231656
*	HFA19330	-1.41	-2.66	-1.30	+1.01	-1.91	-1.11	+2.20	+4.02	135316	96280	50787	104477	136813	48749	38544	63570	44680
*	HFA00800	+1.09	-1.13	-1.27	-1.32	-1.52	-2.34	-1.59	-1.56	265948	290281	236101	209625	201833	70978	121521	298119	544622
*	HFA02352	+1.49	-1.10	+1.03	-1.16	-1.30	+2.98	+8.53	+5.31	33414	49930	30373	34337	28726	175221	113588	166967	170921
*	HFA02909	+1.44	-1.13	-1.45	+1.09	-1.15	-1.92	-1.54	-1.62	158734	228912	139957	109650	172481	25771	99419	284877	177313
*	HFA01863	+2.86	+1.71	+1.11	+1.62	+1.00	+2.03	+1.45	+2.38	18040	51531	30928	20063	29203	138414	82708	102902	98241
*	HFA03099	-1.22	+1.14	-1.02	-1.56	-1.78	-1.52	-1.34	-2.08	112426	92265	127747	110480	71914	18040	36693	26180	42961
*	HFA04084	-1.17	-1.78	-2.29	-2.30	-3.42	-3.01	-2.66	-3.15	154848	131992	87080	70365	67289	63039	73894	83992	54042
*	HFA07257	+1.05	-1.21	-1.06	+1.34	+2.26	+2.76	+3.99	+5.86	44764	47054	37001	42253	60088	45317	51413	58257	49220
	HFA06681	-1.76	-1.56	-1.28	-1.70	-2.71	-4.35	-2.11	-1.26	39480	22735	25386	30893	23210	101290	123751	178635	262435
	HFA06015	+1.39	-1.23	+1.00	+1.09	-1.11	+1.08	+1.43	+1.39	22992	31873	18743	22992	25087	14590	9066	18750	31220
*	HFA08230	-1.38	-1.27	-1.48	-2.13	-1.18	-1.87	-1.51	-1.05	164440	119424	129610	110849	77050	20668	24920	32896	32026
	HFA10195	+1.57	+1.19	+1.00	+1.00	+1.00	+1.34	+1.25	+1.00	18116	28459	21598	18116	18116	141674	88099	108857	155907
	HFA10143	+1.45	+1.04	+1.73	+1.57	+1.37	-1.11	+1.16	+1.42	129702	187736	134986	224529	204014	18116	24261	22633	18116
	HFA09927	+1.15	-1.13	+1.45	-1.03	+1.75	-1.69	+1.18	-1.48	134528	154604	119227	194592	130871	178192	117290	150468	183862
*	HFA11615	+1.05	+1.34	+1.94	+1.12	+1.81	+1.44	+2.71	+2.09	34132	35800	45868	66278	38143	235741	79402	158301	90938
	HFA12544	+1.26	-1.15	+1.01	+1.12	+1.19	-1.50	-1.21	-1.45	226080	285477	197098	227891	252337	61726	49015	92495	71435
*	HFA14921	+1.01	+1.52	+2.38	-1.06	+3.97	+2.14	+2.37	+2.14	164046	164915	249157	390484	154571	269232	150476	186916	155920
*	HFA15702	+1.42	+1.07	-1.12	-1.01	+1.05	-1.77	+2.61	+1.22	45676	64816	48661	40963	45115	651022	350345	388107	350278
	HFA15582	+1.05	+1.02	+1.00	+1.21	+1.31	+1.09	+1.90	+1.45	26196	27537	26592	26196	31582	48136	25874	119224	55655
	HFA14630	+1.40	+1.07	-1.03	-1.17	-1.15	-1.73	-1.18	-1.28	22200	31097	23806	21553	18996	34366	28642	49766	37886
*	HFA14865	+1.06	-1.20	-1.01	-1.27	-1.36	-1.75	-2.18	-1.82	86180	91681	71876	85055	67855	19230	12832	18888	17357
*	HFA18533	+1.02	+1.02	-1.06	-1.64	+1.24	-1.84	-1.30	-2.11	665378	675649	675682	628563	405558	63469	49265	39467	47446
*	HFA18323	+1.99	+1.12	-1.07	+1.24	-1.14	-1.28	+1.28	+1.14	43930	87540	48994	40891	54358	827715	361673	512419	315107
	HFA19424	+1.19	+1.12	+1.00	+1.00	+1.84	+1.27	+1.49	+1.48	22094	26359	24844	22094	22094	38399	34415	56376	50229
*	HFA19872	+1.10	-2.56	-4.15	-2.80	-3.26	-5.66	-2.53	-4.09	164928	181604	64301	39332	58945	40602	28131	32833	32646
*	HFA20509	+1.12	+1.21	+1.00	+1.09	+1.11	-1.17	+2.86	+1.54	22500	25215	27279	22500	24506	50577	29163	65082	40318
	HFA00188	+1.41	+1.11	+1.00	+1.08	-1.09	-1.38	-1.00	+1.00	17000	23958	18917	17000	18411	25023	19236	64434	34759
	HFA01157	+1.55	+1.23	+1.00	+1.03	+1.19	+1.30	-1.03	+1.09	17828	27661	21975	17828	18387	15527	12332	17000	17000
	HFA01541	+1.18	+1.00	+1.00	-1.04	+1.00	+1.35	+2.28	+1.00	19560	23050	19560	19560	18819	21242	23262	17359	19435
*	HFA03776	+2.66	+1.42	+1.00	+1.48	+1.06	+1.36	+1.82	+1.01	20700	55096	29314	20700	30616	19560	26358	44518	19649
	HFA04947	+1.00	+1.00	+1.00	+1.00	-1.03	+1.18	+1.01	+1.00	12760	12760	12760	12760	12760	21859	28131	37673	20949
	HFA05401	-1.00	+1.14	+1.00	+1.00	-1.13	+1.15	+1.17	-1.16	15480	15480	17675	15480	15480	12336	15089	12946	12821
*	HFA05785	+1.27	-1.03	+1.50	+1.37	+1.90	+1.74	+3.22	+1.95	42164	53516	41122	63035	57594	13662	17827	18072	13323
*	HFA08017	-1.13	+1.09	+1.00	+1.00	+1.10	+1.00	+2.83	+1.00	18320	16176	20013	18320	18320	79980	73359	135788	82338
*	HFA08994	-1.17	-1.97	-1.75	-1.05	-3.00	-3.25	-2.27	-1.27	81802	69679	41453	46787	78117	20068	18320	51827	18320
	HFA09378	+1.17	+1.00	+1.01	+1.00	-1.17	+1.00	+1.46	+1.11	14560	17003	14560	14689	14560	27275	25133	36050	64302
	HFA11517	+1.02	+1.00	+1.00	+1.00	+1.10	+1.11	-1.09	+1.00	14580	14912	14580	14580	14580	12440	14560	21302	16108
	HFA12638	-1.06	-1.23	+1.00	+1.00	-1.09	+1.27	+1.74	+1.86	14732	13865	11976	14732	14732	16022	16226	13318	14580
	HFA13022	+1.05	-1.13	+1.04	+1.17	+1.15	+1.11	+1.81	+1.10	21016	22096	18619	21825	24509	13508	18638	25630	27395
*	HFA13406	-1.08	-1.26	-1.01	+1.00	+1.40	+1.37	+2.24	+1.27	24516	22630	19437	24277	24516	24068	23233	37979	23031
*	HFA13790	+1.26	+1.14	-1.02	+1.49	+1.53	+1.81	+3.34	+1.03	20032	25264	22851	19589	29859	34350	33479	55005	31240
*	HFA17604	+1.26	+1.02	+1.00	+1.00	-1.03	+1.10	+3.18	-1.08	20656	26062	20966	20656	20656	30668	36177	66849	20561
	HFA17591	+1.00	+1.13	+1.00	+1.00	+1.05	-1.05	+1.16	-1.25	16240	16240	18416	16240	16240	20002	22749	65644	19181
*	HFA19171	-1.02	+1.09	+1.18	-1.02	+2.25	+1.72	+1.98	+2.10	220688	216581	240448	260378	217307	17088	15533	18855	12977
*	HFA20799	+1.08	+1.00	+1.00	+1.00	+2.15	+32.78	+39.21	+44.20	12900	13996	12900	12900	12900	497504	379689	437348	462789
*	HFA21303	+1.39	+1.21	+1.00	+1.00	+1.12	+1.73	+4.13	+1.50	15760	21894	19133	15760	15760	27760	422920	505765	570194
	HFA05172	-1.19	+1.00	+1.00	+1.08	+1.00	+1.19	+1.37	+1.00	21792	18251	21792	21792	23566	17586	27295	65086	23635
*	HFA00640	-1.00	-1.35	-1.22	-1.64	-1.92	-2.46	-1.62	-2.42	75422	75283	55991	61773	46014	21893	25902	29878	21792
*	HFA02732	+1.15	-1.79	-2.04	-4.75	-3.30	-5.57	-4.16	-3.38	577370	665780	321703	283296	121548	39320	30651	46450	31121
*	HFA01883	+4.61	+2.59	+20.62	+7.49	+78.36	+54.38	+33.25	+32.79	119306	549638	308890	2460476	893938	174948	103718	138637	170784

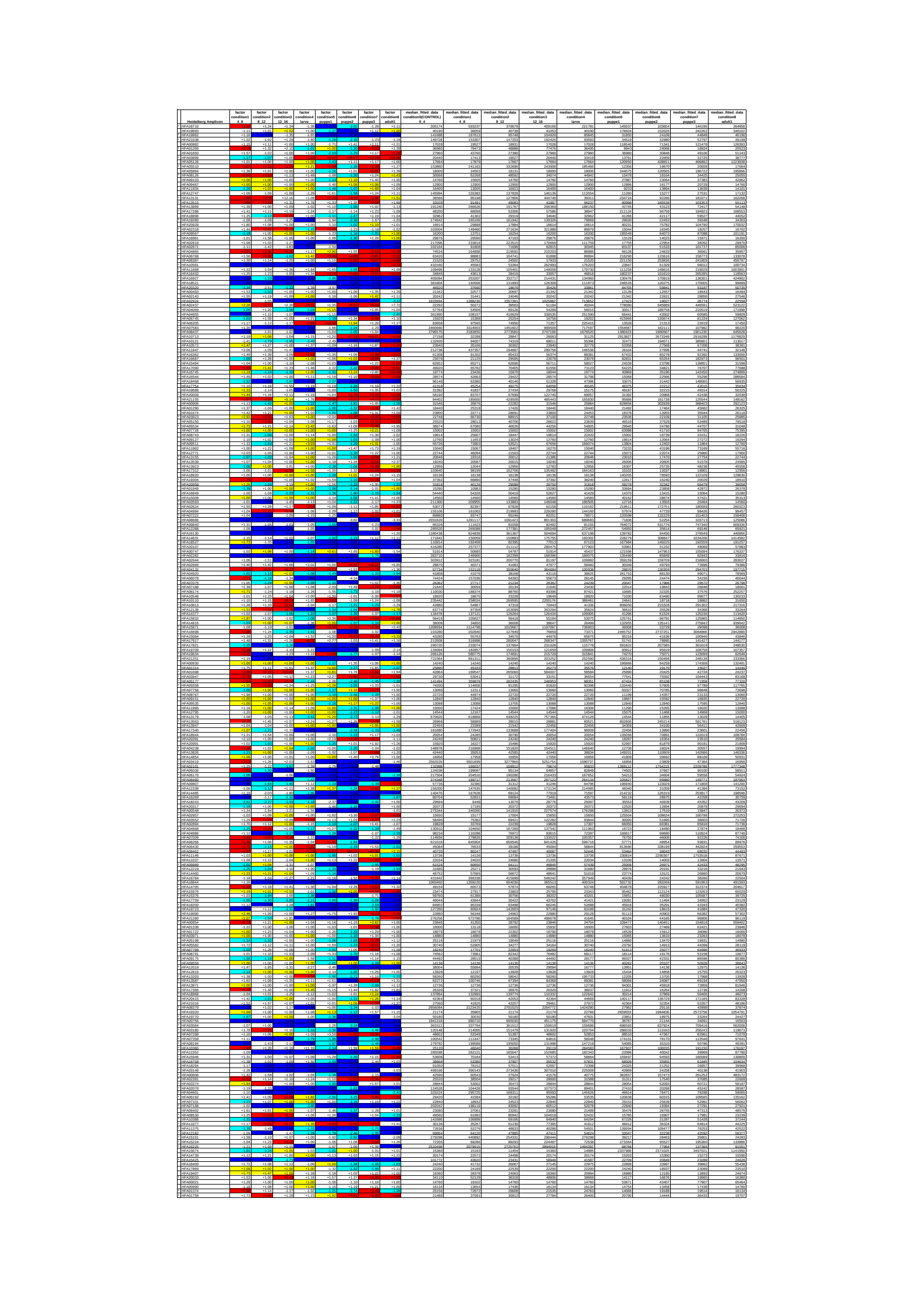






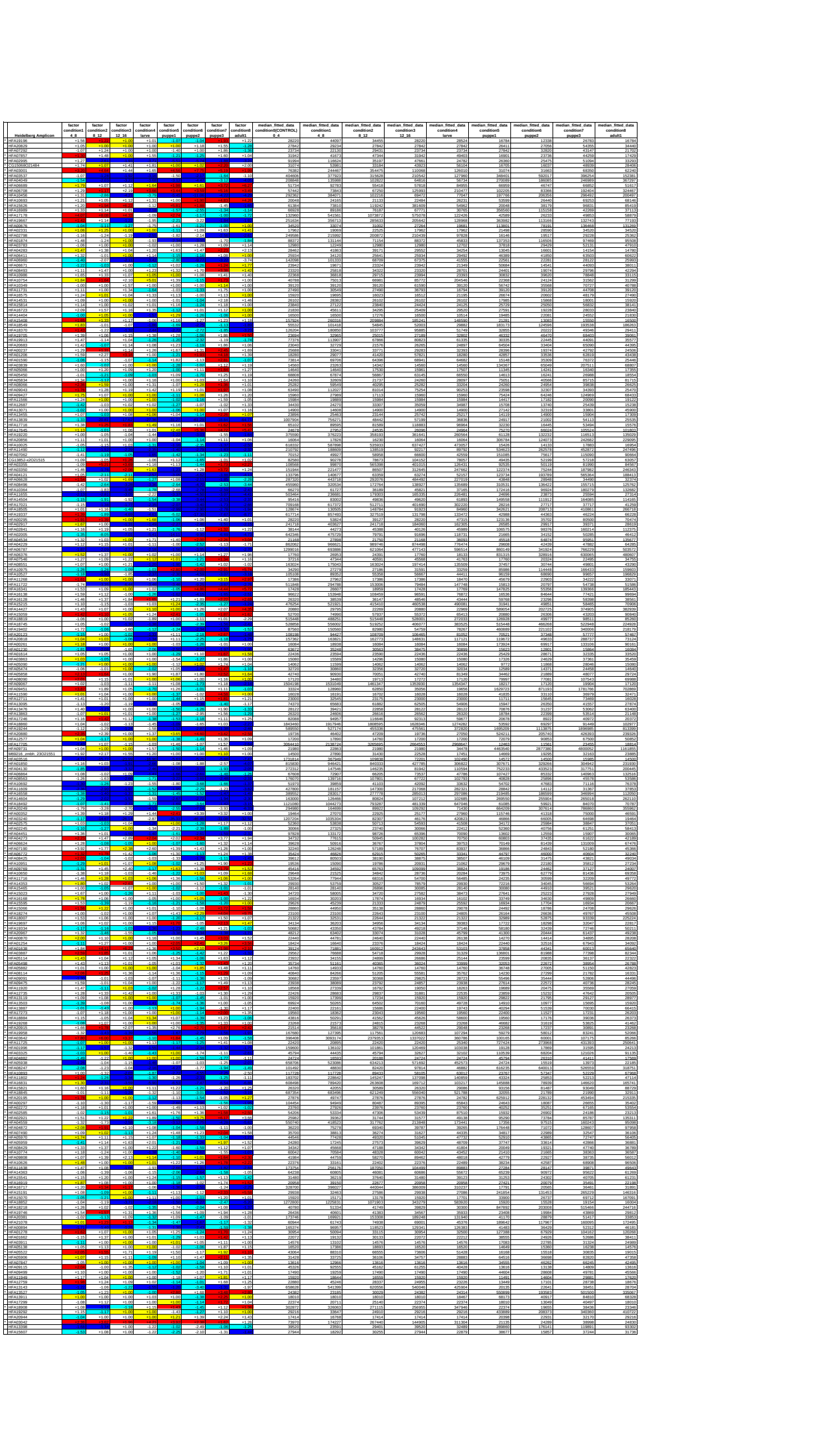


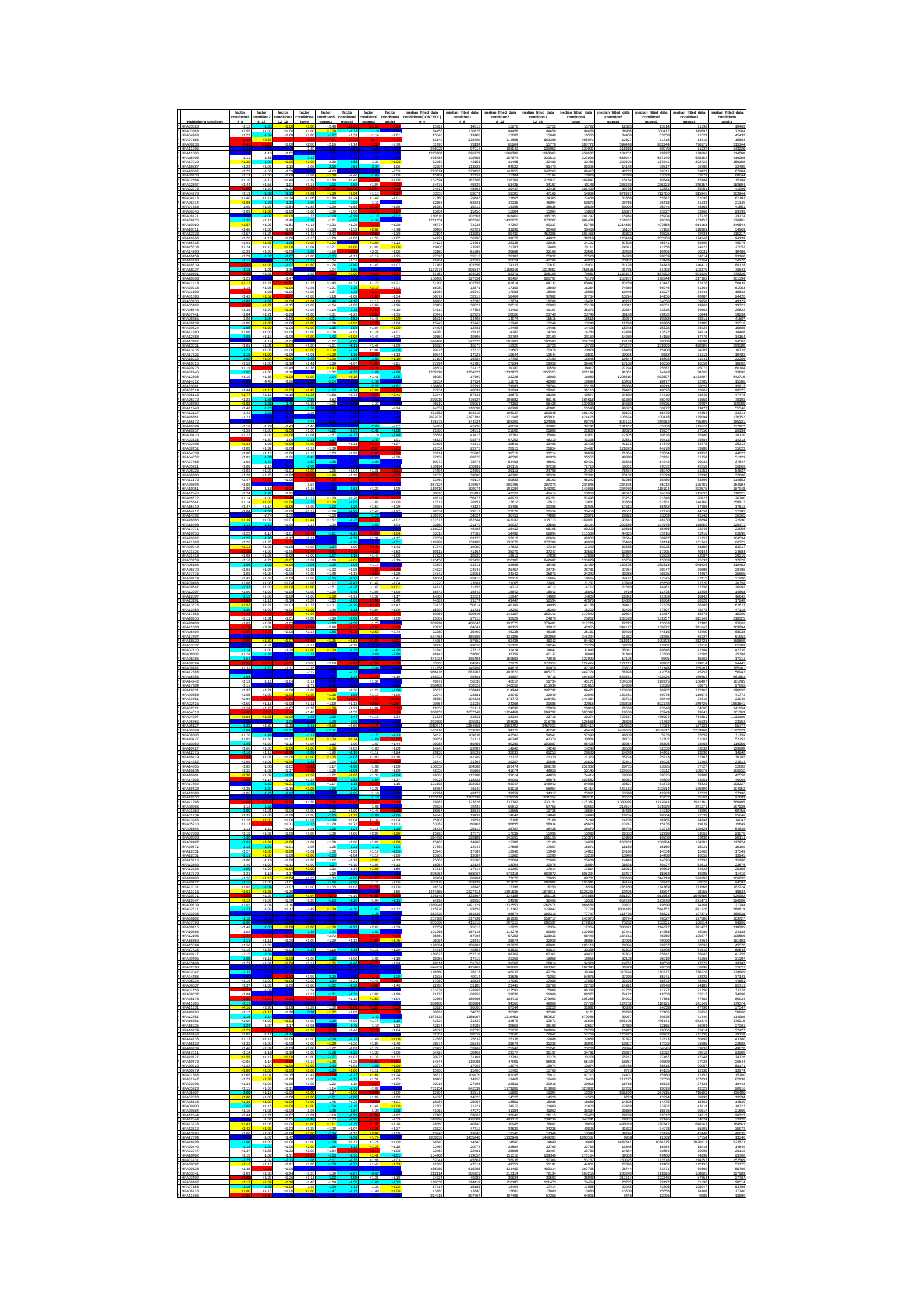




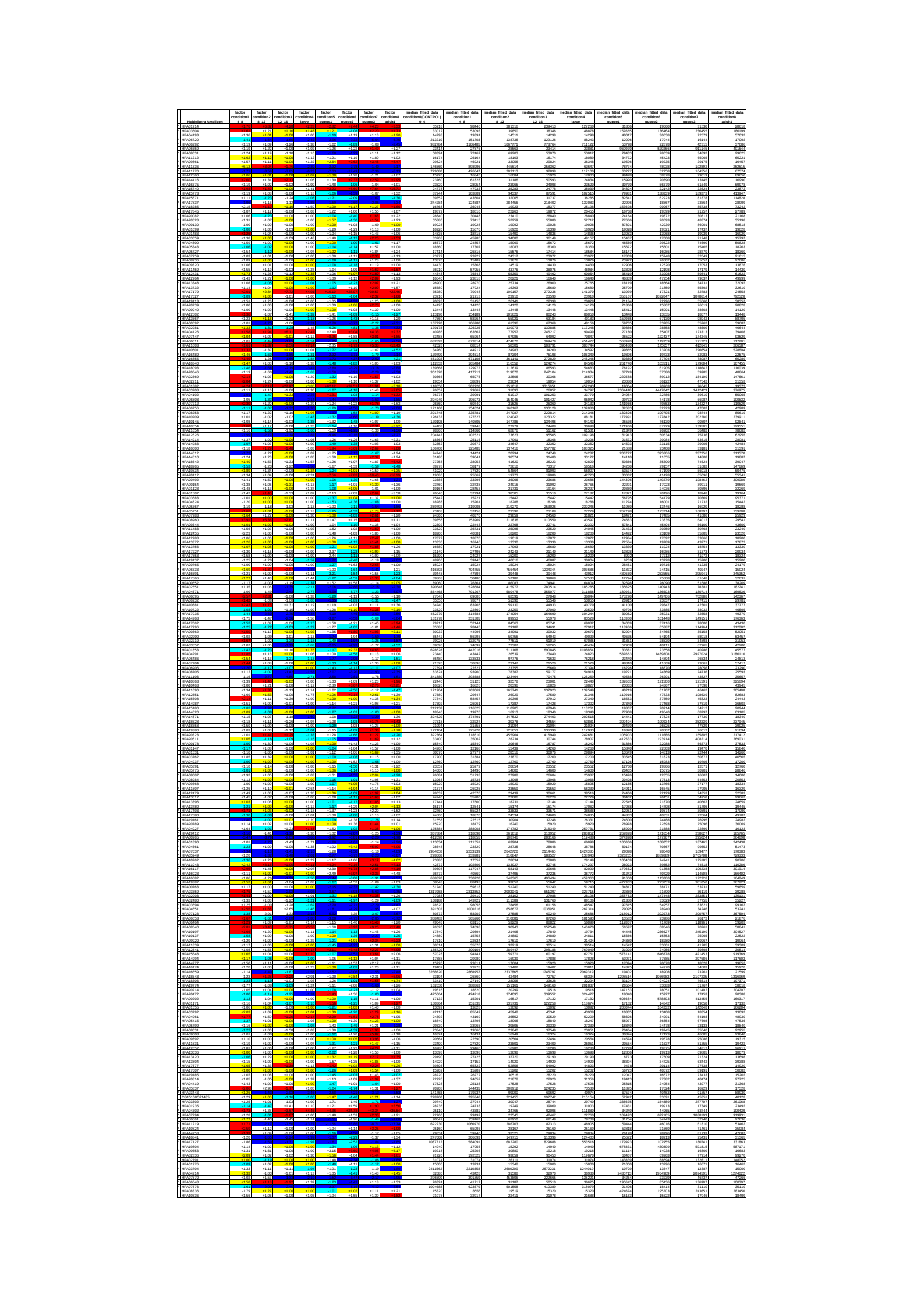
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA04007	+2.01	+1.44	+2.35	+2.43	+1.74	+1.72	+2.50	+2.96	44992	90553	64578	105942	109241	41220	81967	211572	100828
*	HFA05234	+1.25	+1.26	+1.16	-1.37	+1.12	-2.45	-1.08	-1.82	284084	355528	359233	328848	208018	78211	77181	112599	133347
*	HFA05618	-1.07	+1.10	+1.00	+1.09	-1.04	+1.18	+2.10	+1.82	24480	22825	26852	24480	26707	317644	115943	262748	156203
*	HFA07831	+2.72	+3.52	+4.07	+3.15	+15.28	+4.33	+5.94	+4.32	75208	204855	264493	306381	236986	23543	28865	51347	44589
*	HFA08827	+1.21	+1.10	+1.00	-1.10	+1.00	-1.62	+1.07	-1.11	42886	51686	47141	42886	38982	1149265	325794	446451	325179
	HFA09211	+1.03	+1.00	+1.00	+1.00	-1.03	-1.07	+1.20	+1.00	14260	14637	14260	14260	14260	42886	26506	46025	38552
	HFA09595	+1.89	+1.48	+1.20	+1.16	+1.00	+1.22	+1.80	+1.13	22988	43397	34018	27623	26776	13795	13352	17108	14260
*	HFA12055	+2.55	+1.08	+1.32	-1.33	+1.07	-2.27	+1.27	-1.55	38324	97847	41514	50408	28772	22988	27932	41311	26005
*	HFA12855	+1.19	-1.12	-1.13	-1.46	-1.25	-1.69	+1.36	-1.05	70186	83393	62766	62113	48533	40981	16880	48693	24788
*	HFA13239	-1.20	-1.14	+1.00	+1.00	+1.07	-1.56	+2.54	-1.04	26070	21808	22922	26070	26070	56337	41639	95380	66773
	HFA13623	-1.02	+1.00	+1.00	+1.00	+1.00	-1.15	+1.04	+1.00	15320	15025	15320	15320	15320	28021	16721	66250	25034
*	HFA14007	+1.70	+1.15	+1.00	+2.09	-1.09	-1.24	+1.59	+1.01	27112	46210	31115	27112	56746	15320	13313	15894	15320
	HFA17406	+1.05	+1.18	+1.00	+1.40	-1.22	-1.21	+1.80	+1.00	23200	24443	27396	23200	32416	24862	21928	43166	27412
*	HFA19004	+2.52	+1.38	+1.00	+1.35	+1.49	+1.35	+1.91	+1.26	24530	61708	33912	24530	33107	19015	19137	41659	23200
*	HFA20451	-1.13	-1.03	-1.01	-1.40	+1.02	-1.66	+1.04	-2.06	865684	768036	839666	858779	617877	36658	32999	46865	30811
	HFA21064	+1.98	+1.09	+1.00	+1.00	+1.00	-1.38	+1.04	+1.00	17816	35283	19411	17816	17816	879291	520793	900408	422545
*	HFA15277	+1.20	+1.23	+2.30	+1.67	+2.50	+2.25	+2.96	+2.48	95974	114818	118495	220571	160518	17816	12895	18476	17816
	HFA00973	+1.11	+1.36	+1.04	-1.04	-1.06	-1.26	+1.68	-1.11	27720	30897	37830	28804	26748	239479	216058	284144	238041
*	HFA00632	-1.66	-3.02	-1.80	-1.86	-2.78	-3.27	-2.18	-2.62	107212	64396	35458	59633	57695	26106	22008	46540	24903
	HFA02762	-1.04	-1.24	-1.13	-1.08	+1.00	-1.26	-1.01	-1.51	27196	26033	21893	24013	25086	38505	32756	49093	40979
	HFA03722	+1.20	+1.13	+1.05	+1.00	-1.03	-1.31	-1.41	+1.01	22880	27370	25955	23944	22880	27196	21514	26812	17953
	HFA06074	+2.18	+1.14	+1.19	+1.14	+1.25	-1.25	+1.17	+1.36	98988	215587	112764	117871	112591	22190	17482	16221	23116
*	HFA07179	-1.83	-1.77	-3.01	-3.77	-3.86	-7.51	-4.35	-6.08	732676	400946	414068	243048	194168	123598	79133	116152	134156
*	HFA08661	+2.92	+2.04	+3.21	+3.46	+2.22	+3.08	+6.29	+10.17	26260	76804	53560	84242	90970	189765	97575	168456	120549
*	HFA10731	-1.09	-1.04	-1.27	-1.00	-1.94	-2.03	-2.31	-2.83	52676	48542	50471	41578	52439	58293	80957	165176	267161
*	HFA12204	-1.86	-2.81	-2.77	-3.75	-4.09	-7.81	-5.14	-5.01	127770	76978	45535	46058	34086	27101	25982	22793	18590
*	HFA15532	-1.06	-1.58	-2.27	-1.61	-1.79	-3.30	-2.37	-3.76	279644	264640	177267	123332	173882	31272	16364	24853	25525
*	HFA16004	+1.56	+1.36	+1.39	+1.14	+1.36	+1.36	+1.32	+2.31	43440	67596	59234	60518	49704	156080	84690	118144	74293
*	HFA18836	+1.89	-1.23	-2.22	-3.22	-4.26	-5.98	-3.88	-2.61	363940	687682	296491	164250	113019	59122	59231	57179	100298
*	HFA20086	+1.07	-1.11	-1.78	-1.85	-3.54	-4.95	-2.76	-1.94	134240	144281	120872	75256	72468	85513	60810	93626	139549
*	HFA00429	-1.00	-1.03	+1.06	-1.05	+1.26	+2.35	+1.10	+1.00	24814	24814	23985	26382	23660	37936	27138	48562	69295
	HFA03391	+1.40	+1.01	+1.00	+1.05	+1.10	+1.09	+1.38	+1.10	17562	24510	17651	17562	18510	31279	58409	27284	24814
	HFA02955	+1.77	+1.37	+1.65	+1.09	-1.01	+1.14	+1.56	+1.95	17500	30959	24046	28952	19014	19244	19226	24192	19303
	HFA02096	+1.65	+1.06	+1.00	+1.00	+1.31	-1.03	+1.04	+1.38	20720	34146	22005	20720	20772	17331	20015	27335	34082
*	HFA04163	+1.26	-1.20	-1.00	+1.05	-1.07	-1.18	+1.93	+1.64	27664	34994	23076	27556	28963	27094	20179	21603	28494
	HFA06031	-1.00	+1.05	+1.00	-1.10	-1.01	+1.23	+1.56	+1.21	15720	15720	16573	15720	14345	25790	23474	53526	45430
*	HFA07611	+2.70	+1.11	+1.22	+19.24	+1.54	-1.73	-1.03	+1.95	88960	239755	99014	108098	1711969	15505	19390	24542	19020
	HFA06575	+1.45	+1.00	+1.00	-1.01	-1.40	-1.92	+1.20	+1.00	17446	25212	17446	17446	17209	136889	51485	86388	173735
*	HFA08278	+1.04	-1.08	+1.17	-1.12	+1.04	-1.12	-1.05	+1.84	114296	118408	105479	133235	102187	12498	9072	20961	17446
	HFA08513	+1.05	+1.01	+1.18	+1.00	+1.12	+1.74	+1.72	+1.92	15480	16315	15564	18317	15480	118529	102211	109322	209994
*	HFA10709	+1.17	-1.05	+1.04	-1.01	-1.35	-1.72	-1.12	+1.03	68512	79842	65352	71202	67754	17360	26954	26618	29648
*	HFA10290	+1.05	+1.00	+1.50	+1.58	+1.74	+8.71	+18.68	+10.68	26320	27723	26320	39510	41561	50773	39797	61266	70566
*	HFA11061	+1.05	+1.00	+1.03	+1.00	+1.00	+2.59	+3.13	+1.00	25274	26575	25274	26068	25274	45839	229248	491563	281036
	HFA12382	+1.05	+1.27	+1.02	-1.26	-1.14	-1.75	-1.28	-1.40	27720	29015	35131	28215	22038	25274	65362	79023	25274
	HFA16405	+1.07	+1.00	+1.00	+1.05	+1.00	+1.02	-1.09	-1.09	17340	18521	17340	17340	18258	24213	15885	21661	19763
*	HFA14837	+2.24	+1.38	+1.21	+2.56	+1.09	+1.14	+1.37	+1.30	24600	55031	33944	29811	62904	17340	17756	15876	15978
*	HFA15356	+1.89	+1.00	+1.06	+1.62	-1.03	-1.58	+1.12	+1.08	70080	132440	70080	74298	113766	26853	28036	33767	31865
	HFA14683	+1.07	+1.05	+1.00	-1.02	+1.03	-1.29	+1.01	+1.00	15824	16981	16661	15824	15512	67869	45700	78227	75940
*	HFA14749	+2.85	+1.36	+15.45	+1.76	+5.96	+4.12	+2.24	-1.15	53990	153731	73279	834203	95054	16335	12252	16054	15824
	HFA17142	+1.11	+1.03	+1.78	+1.26	+1.51	+1.05	+1.50	+1.24	26362	29347	27027	46883	33343	321813	222289	121092	47125
	HFA18742	+1.12	+1.02	-1.11	+1.07	-1.11	-2.46	+1.24	+1.02	145680	163379	148508	131647	155379	39932	27810	39515	32685
	HFA18005	-1.20	-1.17	+1.00	-1.19	-1.94	-1.59	-1.14	+1.00	37136	30826	31659	37136	31139	131757	59281	180577	148486
	HFA19471	+1.21	+1.05	-1.03	-1.02	-1.00	-2.02	-1.06	-1.15	37718	45479	39690	36769	37090	19111	23347	32492	37136
*	HFA20046	-1.56	-1.88	-1.97	-1.05	-1.51	-1.36	-1.40	-2.26	560004	358089	298231	284002	534958	37608	18641	35623	32913
	HFA00045	+1.08	+1.00	+1.00	-1.04	-1.08	-1.16	-1.04	+1.00	13524	14611	13524	13524	13033	371426	412643	399248	248213
	HFA01014	-1.11	+1.17	+1.00	+1.00	+1.00	+1.08	+2.16	+1.00	14080	12708	16526	14080	14080	12523	11627	13024	13524
*	HFA01398	+1.04	-1.06	+1.00	-1.09	+1.13	-1.25	+1.37	+1.25	39500	40896	37227	39500	36319	14080	15190	30393	14080
	HFA01782	+1.06	+1.17	+1.00	+1.03	+1.00	+1.02	+1.38	+1.04	13304	14134	15499	13304	13657	44769	31532	54141	49246
*	HFA04031	+2.59	+3.79	+5.72	+2.66	+12.94	+4.46	+5.13	+4.90	141160	365386	534474	807906	376190	13304	13597	18319	13776
	HFA05258	+1.12	+1.33	+1.03	+1.00	+1.07	-1.19	+1.62	+1.04	27516	30828	36685	28308	27598	1826372	629888	724561	692381
	HFA05642	-1.15	+1.01	+1.11	+1.00	+1.93	+1.53	+2.32	+1.60	21138	18348	21268	23450	21138	29336	23119	44609	28622
	HFA07875	+1.53	-1.02	+1.00	+1.00	-1.04	+1.01	-1.01	+1.00	14072	21521	13827	14072	14072	40752	32385	49035	33767
	HFA08851	-1.28	-1.05	+1.00	+1.00	-1.15	+1.00	+1.29	+1.00	14840	11585	14144	14840	14840	13561	14273	13921	14072
	HFA09235	+1.58	+1.10	+1.00	+1.00	-1.13	-1.31	+1.78	+1.07	20620	32568	22631	20620	20620	12864	14840	19161	14840
*	HFA09619	+1.14	+1.12	-1.02	+1.23	+1.19	+1.48	+1.86	+1.39	30382	34781	33983	29658	37481	18181	15705	36792	22085
	HFA12079	-1.06	+1.00	+1.00	+1.00	+1.00	-1.16	+1.34	+1.00	16120	15143	16120	16120	16120	36102	44848	56603	42239
*	HFA12879	-1.39	-1.66	+1.00	-1.25	+1.13	-1.11	+1.95	-1.04	27096	19464	16313	27096	21619	16120	13865	21654	16120
*	HFA13263	+1.21	+1.16	+1.27	+1.14	+1.81	+1.24	+1.68	+1.51	36562	44232	42463	46586	41818	30509	24352	52927	26089
*	HFA13647	-1.17	-1.71	-1.08	-1.27	-1.26	-1.79	+1.01	-1.14	55534	47574	32490	51585	43796	66187	45396	61541	55323
	HFA14031	-1.08	+1.03	+1.01	+1.12	+1.00	+1.12	+1.18	+1.00	16668	15408	17235	16843	18689	44051	30961	56040	48851
	HFA17432	+1.00	+1.00	+1.00	+1.00	+1.00	-1.13	+1.19	+1.00	13668	13668	13668	13668	13668	16668	18615	19738	16668
	HFA19028	+1.00	+1.00	+1.00	+1.00	-1.31	-1.94	+1.38	+1.00	18880	18880	18880	18880	18880	13668	12045	16291	13668
*	HFA20593	+3.53	+2.36	+2.37	+1.66	+2.37	+2.47	+3.24	+3.52	60416	213507	142483	143212	100332	14419	9722	26070	18880
	HFA21094	-1.04	+1.00	+1.00	+1.00	-1.23	-1.24	-1.01	+1.00	23040	22234	23040	23040	23040	142916	149119	195936	212616
	HFA14688	+1.62	+1.23	+1.03	+1.00	+1.15	+1.57	+1.75	+1.90	23174	37463	28595	23762	23174	18784	18537	22771	23040
*	HFA05179	-1.18	+1.26	+1.10	+1.14	-1.06	-1.06	+1.80	+1.25	32560	27557	40900	35852	37004	26568	36271	40636	43994
*	HFA00679	-1.01	-1.11	-1.27	-1.67	-2.35	-3.25	-1.72	-2.08	97392	96511	88094	76561	58222	30628	30772	58691	40653
*	HFA02658	+1.72	+1.09	+1.29	+1.36	+1.00	+1.19	-1.01	+1.39	96442	166057	105470	124388	131121	41464	30006	56492	46763
*	HFA04440	-1.38	-1.17	-1.38	-1.33	-1.35	-1.90	-1.44	-1.83	156262	113411	133563	113480	117565	96442	114791	95079	134161
	HFA06500	+1.00	-1.22	-1.22	-1.32	+1.71	+1.11	-1.08	+1.03	37968	37968	31016	31007	28827	115344	82207	108848	85214
*	HFA06914	+1.00	-1.01	+1.00	+2.92	+10.60	+16.62	+21.04	+40.92	26582	26582	26316	26582	77508	65089	42283	35080	39041
*	HFA08591	-1.08	-1.65	+1.00	-1.51	-1.76	-1.91	+1.02	-1.43	66182	61391	40112	66182	43805	281741	441811	559173	1087747
	HFA10238	+1.38	+1.00	+1.00	+1.00	-1.02	-1.19	-1.02	+1.30	15320	21197	15382	15320	15320	37699	34741	67485	46182
*	HFA12520	+1.51	+1.82	+1.09	+1.20	-1.91	-2.52	-1.21	+1.12	39664	60086	72238	43365	47465	14970	12821	15042	19925
*	HFA16216	+1.05	-1.52	-1.87	-1.72	-2.40	-3.30	-2.31	-2.12	102606	108201	67712	54927	59607	20800	15731	32822	44470
*	HFA14518	-1.32	-1.79	-1.65	-1.64	-3.88	-4.15	-1.57	-1.58	102500	77880	57340	62027	62326	42703	31063	44377	48478
	HFA18364	+1.15	-1.12	-1.09	-1.07	-1.78	-1.79	-1.18	-1.26	37378	42835	33407	34362	35070	26451	24702	65347	64865
*	HFA20002	+1.03	-1.25	-1.84	-1.55	-2.03	-4.23	-1.43	-2.30	147520	152615	118184	80002	95189	21000	20867	31653	29704
	HFA00539	-1.00	+1.00	+1.00	-1.00	-1.26	+1.22	-1.23	-1.27	18480	18480	18480	18480	18407	72651	34878	103001	62077
*	HFA02263	+1.14	+1.21	-1.09	-1.38	-1.60	-2.54	-1.68	-1.51	67526	76858	81737	61882	49021	14673	22549	15036	14499
*	HFA02809	+1.16	+1.25	+1.07	+3.53	+2.17	+1.92	+3.98	+4.89	63236	73478	78967	67878	222992	42092	26542	40226	44616
*	HFA03281	+1.12	-1.36	-1.34	+1.05	-1.90	-1.18	-1.05	+1.60	42430	47422	31137	31566	44567	137172	121602	251826	308958
*	HFA04116	-1.76	-1.88	-2.10	-2.85	-1.63	-3.40	-1.92	-3.54	2110758	1202567	1121212	1004618	740521	22287	36096	40428	67815
*	HFA07603	-2.67	-3.97	-3.45	-2.39	-1.54	-2.36	-1.72	-1.59	244008	91419	61504	70768	102118	1291127	620234	1097068	595987
	HFA05957	+1.49	+1.27	+1.00	+1.00	+1.04	-1.04	+1.38	+1.33	18400	27417	23321	18400	18400	158399	103214	142068	154545
*	HFA07151	+1.76	+1.28	+1.14	-1.54	-2.61	-2.65	-2.13	-1.35	1348288	2378282	1724797	1541232	875073	19226	17718	25330	24431
	HFA08504	+1.03	+1.15	+1.47	+1.75	-1.01	-1.04	+1.72	+1.90	22440	23092	25694	33054	39342	516005	509087	633493	1000524
	HFA09757	+1.06	+1.00	+1.00	+1.00	-1.39	+1.00	-1.44	+1.45	21860	23125	21860	21860	21860	22237	21665	38493	42734
*	HFA09802	+1.19	-1.24	-1.79	-1.43	-1.56	-2.84	-1.78	-1.84	224560	267399	180655	125337	156769	15714	21860	15205	31654
*	HFA11244	+1.48	+1.48	+1.07	+1.01	-1.47	+1.14	+1.32	+1.34	34896	51595	51511	37449	35126	144273	79150	126313	122048
*	HFA11337	-1.48	-1.57	-2.28	-1.44	-1.26	-1.52	-1.43	-2.18	137520	92956	87648	60271	95493	23715	39813	46113	46866
*	HFA12362	-1.05	-1.04	+1.00	+1.01	-1.42	-1.17	+1.42	+1.93	30756	29329	29696	30756	31004	109423	90360	96180	62988
*	HFA16417	+1.43	+2.09	+1.75	+1.00	+1.97	+1.33	+3.11	+2.36	60486	86307	126388	105678	60486	21593	26395	43713	59322
	HFA16511	+1.20	+1.03	+1.00	-1.44	-1.01	+1.08	+1.99	+1.53	16180	19387	16608	16180	11224	118870	80273	188173	142886
*	HFA16951	-1.14	+1.08	+1.14	-1.42	+1.05	-1.02	+1.41	-2.18	2428624	2124634	2633852	2758662	1710137	15969	17487	32238	24813
*	HFA15585	+2.06	+4.43	+2.21	+1.49	+1.02	-1.04	+1.78	+2.33	25894	53294	114738	57355	38660	2545060	2376696	3433651	1111505
	HFA15942	+1.50	+1.18	+1.00	-1.07	-1.48	-1.65	-1.03	-1.20	31134	46738	36621	31134	28993	26401	25018	46146	60238
	HFA17211	-1.00	+1.15	+1.00	+1.00	+1.04	+2.10	+2.29	+1.24	15640	15640	17973	15640	15640	21090	18847	30370	26053
	HFA18230	+1.45	+1.08	-1.02	+1.00	-1.01	+1.21	-1.10	+1.75	25280	36681	27427	24893	25280	16330	32888	35855	19384
	HFA17981	+1.38	+1.08	-1.14	+1.00	+1.00	-1.05	+1.88	-1.14	23858	32998	25745	20901	23858	25130	30499	23075	44231
	HFA19592	+1.13	+1.02	+1.00	-1.00	+1.00	+1.34	+1.47	+1.00	22008	24962	22537	22008	21913	23858	22771	44882	20925
*	HFA19554	+1.20	+1.00	-1.21	-1.12	-1.34	-1.81	+1.02	-1.51	94468	113778	94472	78272	83981	22008	29544	32454	22008
*	HFA00069	+1.78	+4.03	+1.20	+1.17	+1.55	+1.64	+3.28	+1.42	28142	50178	113498	33674	32803	70503	52209	96051	62366
*	HFA01038	+2.15	+1.35	+1.00	+1.10	+1.03	+1.35	+2.62	+1.49	20384	43903	27492	20384	22459	43628	46106	92187	39951
	HFA01422	+1.20	+1.05	+1.00	+1.02	+1.04	+1.05	+1.72	-1.08	17446	20999	18402	17446	17842	21058	27420	53404	30408
	HFA01806	-1.06	-1.03	+1.00	+1.03	-1.14	-1.09	+1.39	+1.38	15640	14717	15196	15640	16053	18105	18318	29961	16115
	HFA04739	+1.24	+1.13	+1.13	+1.06	+1.96	+1.51	+2.00	+1.24	19220	23853	21668	21793	20334	13680	14372	21771	21606
*	HFA05282	+1.32	+1.06	+1.00	-1.07	+1.14	-1.11	+2.25	+1.33	27016	35529	28656	27016	25273	37625	28944	38467	23796
	HFA05666	-1.04	+1.22	+1.03	+1.00	-1.14	+1.08	+2.11	+1.08	16752	16166	20460	17256	16752	30928	24244	60744	36009
	HFA07898	+1.37	-1.06	+1.00	+1.00	+1.10	+1.04	+1.43	+1.18	22442	30645	21145	22442	22442	14665	18038	35284	18017
	HFA08875	+1.02	+1.00	+1.00	+1.00	+1.00	+1.01	+1.43	+1.00	15200	15433	15200	15200	15200	24752	23307	32057	26554
	HFA09259	+1.48	-1.10	+1.00	+1.00	+1.00	+1.03	+1.39	-1.01	24440	36214	22318	24440	24440	15200	15302	21669	15200
*	HFA09643	+1.06	+1.04	+1.00	+1.00	-1.05	-1.25	+3.26	+1.06	19414	20532	20276	19414	19414	24440	25058	34071	24232
	HFA12103	+1.37	-1.03	-1.05	+1.00	+1.00	-1.31	+1.68	+1.07	28056	38363	27138	26638	28056	18470	15544	63229	20534
	HFA12903	+1.20	+1.08	+1.00	+1.00	-1.30	+1.23	+1.94	+1.06	22792	27311	24526	22792	22792	28056	21360	47109	29978
*	HFA13287	+1.21	+1.19	+1.02	-1.02	+1.05	-1.10	+1.44	+1.18	51032	61899	60866	51854	50163	17473	28130	44205	24244
*	HFA13671	+1.01	-1.00	+1.01	-1.46	-1.46	-1.25	+1.27	-1.07	60192	61056	60168	60645	41150	53471	46405	73623	60131
	HFA14055	+1.34	+1.20	+1.00	-1.03	+1.00	-1.21	+1.15	+1.04	22960	30730	27451	22960	22280	41303	48062	76600	56418
	HFA17459	+1.00	+1.04	+1.00	+1.00	-1.05	-1.16	+2.14	+1.04	16120	16120	16691	16120	16120	22960	19037	26518	23889
	HFA19052	-1.47	+1.00	+1.00	+1.00	+1.00	-1.01	+1.18	+1.07	15080	10271	15080	15080	15080	15336	13853	34490	16768
	HFA20617	+1.42	+1.00	+1.00	+1.00	-1.17	-1.23	+1.70	+1.00	17508	24830	17508	17508	17508	15080	14862	17833	16196
*	HFA21123	+1.84	+1.39	+1.00	+1.26	+1.00	+1.01	+2.48	+1.86	33096	61057	46160	33096	41831	14979	14196	29777	17508
*	HFA18052	-1.28	+1.18	-1.07	-1.36	+1.58	-1.30	+1.43	-2.57	3148106	2451264	3704426	2929838	2318343	33191	33405	81989	61587
*	HFA09115	+1.55	+1.38	+4.27	+2.30	-2.14	+1.33	-1.09	+1.30	169310	261917	233672	722736	389299	4964732	2426404	4489668	1225173
*	HFA00791	-1.39	-1.26	-1.83	-2.23	-1.61	-2.92	-1.97	-2.58	1193682	857098	943652	653580	534755	79184	225786	155980	219890
	HFA02939	-1.01	-1.16	+1.00	-1.08	+1.00	-1.46	-1.02	-1.56	35546	35274	30699	35546	32927	740629	408140	606304	466908
*	HFA04636	-1.75	-1.57	-2.10	-2.02	-2.46	-3.99	-2.61	-2.69	367516	209614	233822	174696	181699	35546	24428	34706	22773
*	HFA07721	-2.00	-3.26	-6.25	-6.94	-4.97	-7.27	-5.62	-11.00	1309168	654539	401273	209540	188751	149324	92013	141069	136689
*	HFA07300	-1.31	-1.21	-1.78	-1.68	-4.12	-6.33	-1.50	-1.81	56080	42728	46169	31504	33407	263223	180164	232772	119059
*	HFA09763	-2.05	-2.09	-3.53	-2.77	-2.76	-6.75	-4.49	-4.45	248426	121350	118707	70419	89820	13608	8861	37339	31011
*	HFA11296	+2.07	+1.43	+1.18	-1.18	+1.01	-1.50	+1.06	+1.27	222412	459444	317472	262035	187985	89892	36790	55330	55882
	HFA12502	+1.44	+1.12	+1.00	-1.00	-1.04	-2.23	-1.36	-1.34	32982	47494	37063	32982	32827	225412	148050	235243	282558
*	HFA14787	-2.09	-1.92	-1.42	-1.99	-2.23	-4.27	-2.38	-2.07	82962	39773	43107	58358	41672	31755	14780	24178	24537
*	HFA15134	-1.72	-2.42	-1.73	-2.82	-2.86	-6.36	-2.88	-3.50	135378	78673	55870	78066	47981	37259	19448	34929	40173
*	HFA17755	-1.89	-1.22	-2.34	-2.30	-2.03	-2.39	-2.95	-2.87	580908	306687	477207	248386	252382	47390	21217	46948	38683
	HFA19439	-1.00	+1.28	+1.00	-1.20	-1.19	-1.25	+1.13	+1.00	23922	23922	30728	23922	19906	285804	243304	196904	202742
*	HFA00438	-1.11	+1.10	-1.33	-2.45	-1.26	-1.52	-1.62	-3.93	484556	434966	531411	363646	198030	20185	19096	27070	23922
*	HFA03189	+1.76	+1.06	+1.01	-1.65	-1.34	-1.55	+1.05	-1.53	35662	62737	37648	35885	21579	383477	318781	298892	123234
*	HFA01988	+1.28	-1.03	+1.00	+1.26	+1.09	+2.46	+6.51	+47.24	27484	35122	26695	27484	34554	26594	23079	37276	23343
*	HFA02080	+1.38	-1.33	-1.91	-1.19	-2.73	-3.46	-1.88	-2.11	146632	202358	109858	76936	122736	30049	67741	178950	1298350
	HFA04597	+1.95	+1.58	+1.00	+1.04	-1.29	+1.04	+1.77	+1.02	17334	33787	27312	17334	18059	53709	42376	78077	69465
*	HFA06557	-1.21	-2.86	-2.85	-1.92	-4.25	-6.13	-2.67	-4.26	310314	256202	108333	108805	161400	13483	18032	30708	17739
*	HFA07527	+1.01	-1.95	-2.49	-1.12	-3.16	-3.78	-2.48	-3.42	142142	143727	73010	57098	126980	73031	50618	116317	72879
*	HFA05923	-1.10	+1.09	+1.01	+1.24	+1.47	+1.98	+3.21	+2.80	44988	40792	49051	45603	55980	44954	37648	57209	41525
	HFA08358	+1.36	+1.15	+1.00	-1.04	+1.05	-1.03	+1.16	+1.11	17320	23536	19918	17320	16597	66166	88883	144540	125894
*	HFA11408	-1.10	+1.21	-1.05	-2.00	-1.02	-1.16	-1.18	-2.42	629488	571800	761603	600455	315241	18123	16743	20129	19199
*	HFA10668	-1.01	-1.35	-1.49	-1.06	-1.51	-2.50	-1.01	-1.59	64696	64185	47936	43531	61153	614310	544896	533204	259862
*	HFA11350	-1.70	-1.39	-1.78	-1.37	+1.19	+1.14	+1.47	+1.00	122256	71952	88043	68587	89197	42740	25906	63788	40588
	HFA10812	-1.22	+1.00	+1.00	-1.00	-1.47	-1.90	-1.22	+1.00	34792	28432	34792	34792	34707	145382	139962	180307	122256
*	HFA12176	+1.35	+1.94	+4.70	+1.47	+7.26	+1.45	+1.01	-1.12	76140	102612	147515	358043	111583	23683	18275	28572	34792
	HFA15779	+1.46	+1.00	-1.62	-1.04	+1.00	-1.40	-1.06	-1.39	22520	32957	22520	13881	21729	552604	110254	76890	68136
	HFA16770	+1.32	+1.01	+1.07	+1.00	+1.00	-1.03	+2.03	+1.00	23760	31267	24067	25361	23760	22520	16046	21223	16257
*	HFA16304	-1.20	-1.48	-1.32	-1.85	-2.03	-2.14	-1.44	-2.32	122394	102387	82808	92694	66285	23760	23173	48325	23760
	HFA15141	+1.24	+1.00	+1.20	+1.27	-1.11	-1.06	+1.18	+1.17	26028	32177	26122	31343	32980	60156	57172	85150	52825
	HFA14720	+1.17	+1.09	+1.18	+1.06	+1.52	+1.83	+2.01	+1.56	22868	26726	24942	26987	24288	23387	24521	30602	30568
	HFA18620	+1.09	+1.30	-1.01	+1.19	+1.78	+1.11	+1.42	+2.05	17346	18923	22558	17144	20604	34718	41893	45920	35593
*	HFA18135	-1.15	-1.40	-1.11	-1.11	-1.08	-2.71	-1.61	-1.67	269696	234109	192804	242311	242972	30844	19284	24562	35609
*	HFA18163	+1.25	-1.30	-1.28	-1.62	-1.74	-3.63	-1.89	-1.88	193896	242229	148687	151005	119870	249390	99442	167199	161706
*	HFA19609	+1.76	-1.04	+1.16	+1.58	+1.16	+1.03	+1.17	+1.40	30332	53421	29286	35099	47994	111740	53449	102691	103250
*	HFA19572	-1.20	-1.59	-1.75	-2.02	-1.86	-3.49	-1.75	-1.90	136816	113941	85920	78288	67633	35263	31127	35549	42576
*	HFA00093	+3.19	+3.24	+2.49	+2.78	+6.43	+2.90	+3.38	+2.71	40364	128906	130701	100449	112290	82358	39162	78214	72167
	HFA01062	+1.34	+1.09	+1.16	+1.00	+1.00	+1.06	+2.45	+1.52	20024	26774	21738	23242	20024	259379	116877	136576	109352
*	HFA01446	+1.03	-1.05	+1.23	+1.08	+1.77	-1.02	+1.91	+1.34	33532	34439	32035	41178	36136	20044	21224	48976	30419
*	HFA01830	+2.48	+2.08	+1.06	-1.19	+1.28	-1.39	+1.23	-1.22	24940	61948	51780	26319	20996	59475	33015	64022	44821
*	HFA04763	+1.35	+1.58	+1.36	+1.14	+2.55	+1.62	+2.82	+2.18	21274	28633	33530	28889	24154	31998	17977	30589	20525
	HFA05306	-1.33	+1.03	+1.00	+1.01	+1.04	+1.15	+1.92	+1.13	20180	15228	20786	20180	20429	54298	34378	59911	46389
*	HFA05690	+1.71	-1.15	+1.01	+1.13	+1.20	-1.12	+1.54	+1.39	31328	53426	27213	31528	35552	20928	23282	38840	22822
*	HFA07922	+3.52	+2.42	+1.67	+1.27	+1.85	+1.73	+3.50	+2.14	25320	89101	61186	42260	32105	37459	27900	48196	43651
*	HFA08899	-1.08	+1.01	+1.00	+1.00	+1.59	+1.56	+5.10	+2.16	15704	14496	15817	15704	15704	46739	43680	88594	54078
	HFA09283	+1.29	+1.05	+1.01	+1.05	-1.20	-1.34	+1.42	+1.06	29072	37385	30385	29250	30670	24984	24549	80052	33850
	HFA11422	+1.28	-1.02	+1.01	-1.10	+1.06	-1.09	+1.97	+1.21	19780	25248	19322	20050	18038	24308	21757	41366	30907
	HFA12394	+1.81	-1.48	+1.08	+1.16	-1.07	-1.19	+1.18	+1.09	25040	45405	16927	26997	29054	20984	18078	39029	23991
	HFA12927	-1.08	-1.03	+1.00	+1.13	+1.04	+1.18	+2.81	+1.23	15860	14691	15461	15860	17973	23378	21029	29553	27169
	HFA13311	-1.02	-1.03	+1.02	+1.00	+1.00	-1.18	+2.52	+1.44	18380	17976	17786	18732	18380	16459	18664	44540	19571
	HFA13695	+1.17	+1.12	+1.07	+1.00	+1.20	+1.42	+1.90	+1.26	17360	20331	19392	18557	17360	18380	15565	46402	26430
*	HFA14079	+1.39	+1.01	+1.39	+1.15	+15.28	+29.48	+22.62	+23.06	33302	46371	33696	46166	38463	20763	24587	33015	21896
	HFA17486	+1.37	-1.11	+1.01	+1.00	+1.08	-1.34	+1.78	+1.06	20960	28785	18905	21143	20960	508910	981853	753456	767889
	HFA19076	-1.16	+1.00	-1.07	-1.00	-1.06	-1.22	-1.16	+1.00	21840	18879	21840	20477	21814	22708	15610	37360	22199
	HFA20675	+1.61	+1.19	+1.00	-1.07	+1.03	-1.22	+1.05	+1.01	16360	26273	19518	16360	15263	20575	17913	18747	21840
	HFA21151	+1.23	+1.00	+1.00	+1.18	+1.01	-1.19	+1.18	+1.53	23960	29513	23960	23960	28159	16891	13403	17100	16544
	HFA19868	+1.00	+1.02	+1.00	+1.30	-1.11	-1.33	+1.41	+1.62	15364	15364	15656	15364	19992	24080	20086	28263	36767
	HFA11529	+1.30	+1.08	+1.00	+1.00	+1.10	+1.05	+2.96	-1.00	27460	35793	29714	27460	27460	13825	11526	21717	24902
*	HFA00736	-1.17	-1.74	-2.04	-2.09	-2.07	-3.39	-2.17	-2.53	225866	192378	129687	110669	108112	30340	28950	81370	27336
*	HFA02528	+1.25	+1.49	-1.71	-1.66	-1.30	-1.87	+1.55	-1.34	132894	165964	197891	77737	80042	109053	66675	104138	89336
*	HFA04087	+1.55	+1.88	+4.75	+9.78	+3.01	+2.28	+4.39	+3.99	218978	339186	411972	1040487	2142178	102520	71126	205799	99489
*	HFA06794	-1.71	-1.67	-1.75	-2.18	-1.65	-2.17	-1.89	-2.03	229398	133835	137326	130919	105463	659513	498398	961379	874365
*	HFA07600	+1.28	-1.07	-1.77	-1.38	-1.31	-2.36	-1.61	-1.68	111684	142985	104435	62955	80942	139326	105529	121517	113011
	HFA10738	+1.00	+1.06	+1.00	+1.04	-1.11	-1.06	+1.24	+1.19	18374	18463	19483	18374	19190	85155	47600	69531	66543
*	HFA11084	+1.19	-1.06	+1.11	+1.18	+1.96	+2.07	+3.27	+1.46	59678	71130	56132	66068	70246	16497	17278	22718	21861
*	HFA16963	-1.60	-3.57	-9.79	-5.37	-15.88	-16.79	-6.09	-9.11	459232	287587	128558	46890	85517	116809	123317	195443	87332
*	HFA15835	+1.42	-1.02	-1.32	-2.14	-5.02	-3.42	-2.52	-2.60	122876	174449	120911	93064	57318	28928	27347	75447	50416
	HFA14443	-1.00	-1.08	+1.00	+1.70	+1.42	+1.20	+1.39	+1.20	48164	48044	44513	48164	81727	24459	35950	48792	47243
*	HFA18663	-1.23	-1.95	-2.57	-1.79	-3.42	-4.90	-2.67	-3.43	123516	100475	63454	48004	69076	68551	58010	66867	57571
*	HFA19588	-1.05	-1.29	-1.69	-1.48	-1.15	-2.06	-1.19	-1.36	173834	165183	135112	102814	116382	36080	25188	46327	36059
*	HFA00450	-1.23	-2.14	-2.88	-1.90	-3.38	-4.61	-3.01	-3.15	151948	123201	70958	52799	79775	151182	84581	145948	127705
*	HFA02690	+1.51	-1.10	-1.08	+1.22	+1.18	-1.17	+1.39	-1.25	71112	107206	64910	66053	86625	44992	32959	50465	48166
*	HFA03449	+1.03	+1.13	+1.03	+1.28	+1.00	+1.24	+1.48	+1.87	28504	29408	32232	29290	36534	84221	60822	98955	57057
*	HFA02310	+1.47	+2.11	+1.89	+1.01	+2.24	+1.02	+1.72	+2.23	35480	52283	74787	67146	35793	28504	35405	42070	53232
*	HFA04589	+1.56	+1.54	+1.79	+3.38	+2.03	+1.27	+1.73	+1.53	33204	51943	51179	59463	112349	79494	36316	61089	79155
*	HFA07350	+1.05	-2.05	-2.23	-2.52	-3.91	-8.36	-3.22	-3.29	158496	166096	77230	71230	63007	67294	42056	57365	50911
	HFA07388	+1.66	+1.18	+1.00	+1.58	-1.01	-1.04	+1.48	+1.75	25764	42741	30362	25764	40676	40502	24939	49281	48248
*	HFA07342	+1.14	-1.12	-1.18	-1.39	-1.41	-2.70	-1.44	-1.75	58976	67102	52832	49913	42338	25536	24874	38181	45213
*	HFA08677	+1.72	+1.17	+1.13	+7.32	+1.31	-1.10	+1.56	+1.33	39948	68563	46912	45045	292368	41771	21807	40996	33787
*	HFA10673	+1.37	+1.47	+1.00	+1.07	+1.58	+1.72	+2.60	+4.18	23200	31751	34060	23200	24797	52361	36263	62394	53220
*	HFA09895	-1.14	-1.24	+1.20	-1.24	+1.80	+1.40	+1.27	-1.04	266848	234076	216029	319086	215499	36545	39827	60331	97066
*	HFA09997	+1.45	+1.47	+1.19	+2.13	-1.01	+1.42	+1.89	+1.70	33780	49044	49659	40118	71784	481059	373500	338015	255476
*	HFA11890	+1.35	+1.06	-1.43	-1.02	-2.02	-2.33	-1.88	-2.41	179878	242883	191015	125722	175806	33362	47967	63704	57282
*	HFA12496	-1.13	-1.59	-1.49	-1.51	-2.80	-3.55	-1.90	-2.56	77880	68888	48869	52364	51516	88962	77161	95609	74665
*	HFA15993	+1.41	+2.25	+3.70	+1.00	+3.81	+2.27	+3.49	+3.70	29020	40962	65306	107471	29020	27796	21943	41039	30404
*	HFA14966	-1.20	-1.01	-1.19	-1.17	-1.07	-2.69	-1.35	-1.98	181366	150756	179603	152265	155016	110659	65986	101270	107425
	HFA14765	+1.29	+1.25	+1.00	-1.01	+1.19	-1.13	+1.28	-1.01	28220	36405	35367	28220	27914	169985	67541	134063	91102
*	HFA14214	+1.38	+1.16	-1.49	-2.85	-1.91	-2.44	-2.42	-4.21	163950	225993	190667	109687	57506	33694	25059	36136	27809
*	HFA14517	+1.40	+1.50	+1.08	+1.41	+1.14	+1.27	+2.53	+1.91	24980	34935	37458	26915	35136	86030	67304	67611	38979
	HFA18485	+1.09	-1.18	-1.05	-1.03	-1.56	-1.37	-1.43	-1.23	27122	29477	22901	25822	26317	28597	31784	63186	47656
*	HFA18134	+1.13	-1.04	+1.00	+1.00	+1.18	+1.09	+1.14	+2.13	23736	26872	22903	23736	23736	17338	19759	18964	22117
*	HFA17988	-1.12	-1.24	-1.04	-1.46	-1.24	-1.82	-1.26	-1.24	97016	86830	77968	93589	66607	28107	25896	27148	50502
*	HFA20057	+1.89	+2.09	+1.94	-1.14	+1.01	-1.33	-1.00	-1.01	217188	410830	454757	422368	191214	78412	53277	76825	78339
	HFA20544	+1.64	+1.05	+1.03	+1.08	+1.16	-1.11	+1.38	+1.42	27650	45210	29027	28469	29951	219655	162984	216894	214743
*	HFA00117	+1.21	+1.12	+1.00	+1.00	+1.17	+1.43	+2.64	-1.42	22748	27539	25530	22748	22748	32175	24829	38109	39318
	HFA01086	-1.21	-1.21	+1.00	+1.00	-1.44	-1.36	+1.40	-1.05	25042	20698	20763	25042	25042	26721	32433	60044	15970
	HFA01470	+1.32	-1.06	+1.00	+1.00	-1.39	+1.27	+2.18	+1.19	20162	26527	19093	20162	20162	17338	18397	35179	23882
*	HFA03646	+3.32	+2.56	+1.58	+1.29	+1.96	+1.40	+2.91	+1.52	34574	114846	88524	54459	44557	14494	25539	43940	24028
*	HFA04787	+2.84	+2.59	+3.21	+2.06	+5.11	+3.50	+4.00	+2.90	42858	121666	111104	137709	88126	67877	48273	100568	52723
*	HFA05330	+1.37	+1.16	+1.00	+1.00	+1.16	+1.05	+1.93	+1.46	33006	45224	38389	33006	33006	219174	150098	171507	124267
	HFA05714	-1.03	+1.00	+1.00	+1.00	+1.00	+1.07	+2.64	+1.00	15920	15401	15920	15920	15920	38176	34750	63757	48180
*	HFA07946	+1.18	+1.09	+1.00	+1.00	-1.15	-1.06	+4.21	+1.19	25348	29890	27539	25348	25348	15998	16970	42012	15920
*	HFA08923	+1.61	+1.20	+1.45	-1.05	+1.26	-1.17	+1.63	+1.08	51214	82461	61673	74081	48784	21983	23805	106817	30227
*	HFA09307	+1.25	-1.06	+1.00	+1.00	+1.04	+1.09	+2.65	+1.00	21520	26941	20378	21520	21520	64672	43888	83453	55477
	HFA11446	+1.44	+1.23	+1.26	+1.34	+1.47	-1.05	+2.40	+1.11	17240	24763	21142	21807	23077	22377	23460	57124	21520
*	HFA12418	+1.28	-1.00	+1.06	-1.29	-2.83	-2.48	+1.39	-1.38	49696	63543	49537	52641	38572	25398	16367	41461	19177

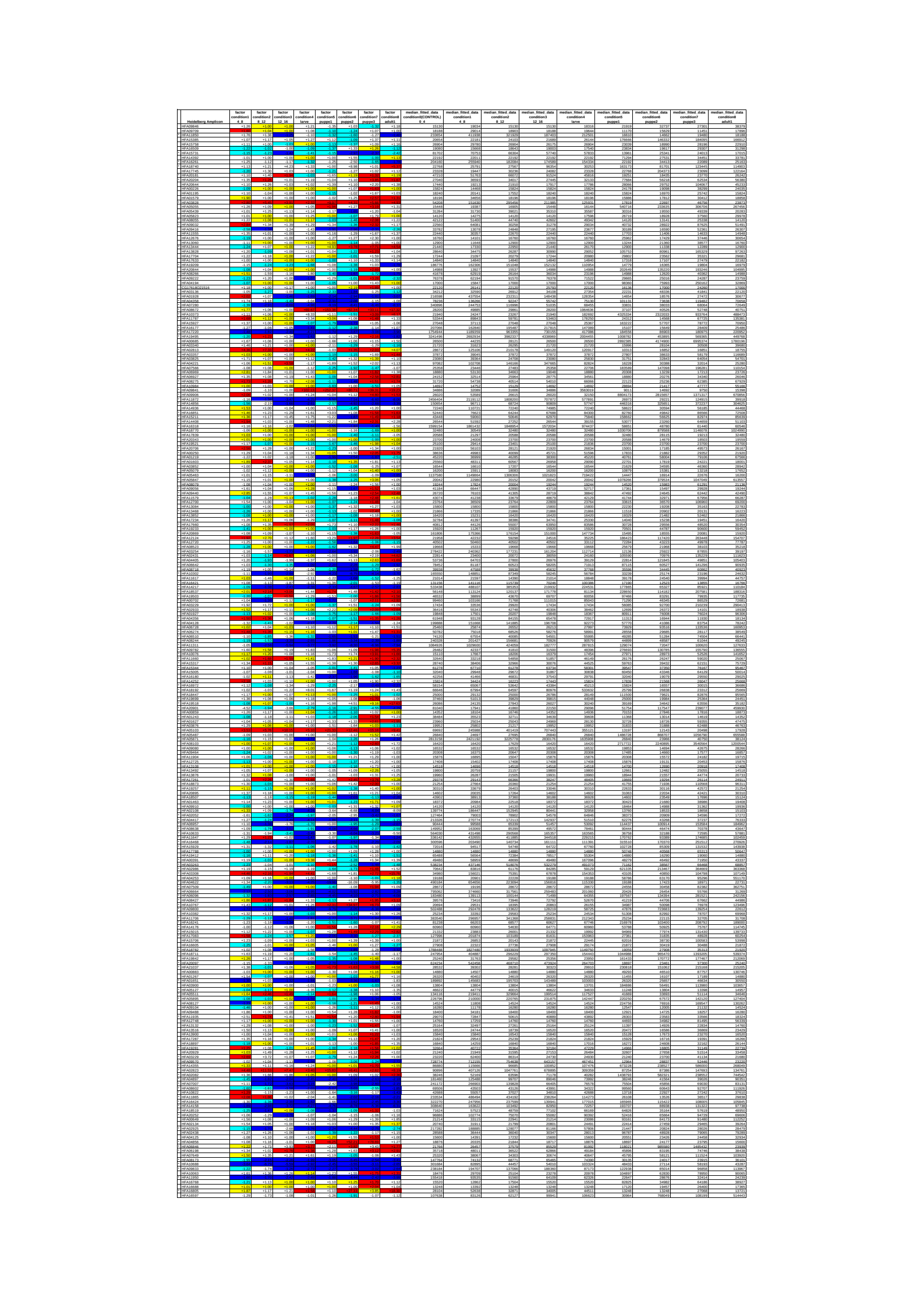
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA12951	+1.64	+2.17	+2.35	+1.27	+2.35	+1.49	+2.07	+1.75	109948	180269	238219	258583	139934	17574	20044	68830	35907
	HFA13335	+1.65	+1.11	+1.00	+1.00	+1.00	-1.06	+2.53	+1.03	15928	26212	17618	15928	15928	258038	164252	227191	192901
*	HFA13719	+1.65	+1.15	+1.19	+1.00	+1.22	+1.24	+3.35	+1.70	22280	36812	25542	26489	22280	15928	15006	40332	16395
*	HFA17114	-1.12	+1.11	+1.18	-1.70	-1.25	-1.30	-1.02	-1.15	150062	133575	167245	176901	88048	27103	27683	74688	37894
*	HFA17512	+1.08	-1.15	+1.12	-1.00	-1.31	-1.85	+1.03	-1.11	97986	106203	85244	109291	97718	120197	115329	146549	130686
	HFA19100	+1.28	+1.14	+1.00	+1.00	-1.15	+1.03	+1.38	+1.00	17436	22355	19873	17436	17436	74595	53075	100978	88039
*	HFA20725	+1.00	+1.00	+1.00	+1.00	+1.00	+1.00	+4.35	+1.01	13028	13028	13028	13028	13028	15157	17911	24061	17436
*	HFA21182	+2.14	+2.21	+1.28	+1.58	+1.36	+1.42	+1.74	+1.37	43032	91980	95054	55240	68118	13028	13028	56616	13223
*	HFA19552	-1.00	+1.15	+1.34	-1.13	+1.05	-1.63	-1.08	-1.20	302604	302475	347573	405200	268466	58640	61044	74945	58985
*	HFA11015	-1.21	-1.40	-1.25	-2.51	-3.44	-2.65	-1.51	-1.96	178688	147123	127881	143198	71286	317049	186086	280642	252673
	HFA13047	-1.26	-1.03	+1.00	+1.00	+1.00	+1.00	+1.66	+2.02	20042	15845	19425	20042	20042	51941	67532	118486	91194
*	HFA00619	-1.07	-1.36	-2.82	-2.58	-2.17	-5.53	-2.73	-3.78	516278	484543	378350	183163	199840	20142	20042	33249	40482
*	HFA02160	+1.19	-1.70	-2.33	-2.49	-1.39	-4.21	-3.57	-2.45	74280	88325	43596	31861	29785	237842	93420	189433	136508
*	HFA04296	+1.17	-1.18	-1.53	-1.43	-1.61	-2.80	-1.72	-1.65	70280	82049	59598	46081	49307	53471	17635	20797	30302
*	HFA06106	-1.20	-1.58	-2.19	-4.06	-2.44	-5.19	-2.62	-3.04	145640	120961	92259	66487	35834	43624	25125	40782	42574
*	HFA05929	+3.11	+5.82	+9.44	+2.79	+1.46	+1.73	+1.62	+1.45	39680	123597	231031	374685	110892	59712	28041	55668	47837
	HFA11017	+1.25	-1.56	+1.00	+1.00	-1.16	-1.63	-1.35	+1.09	25718	32222	16434	25718	25718	58071	68781	64259	57601
*	HFA10861	-1.31	-1.25	-1.35	-2.09	-2.31	-3.49	-2.05	-1.69	126300	96765	100807	93673	60406	22231	15758	19055	27971
*	HFA16819	-1.35	-1.26	-1.20	+1.88	+2.11	-1.45	+1.58	+2.54	226292	167290	179478	188324	426002	54745	36229	61471	74834
*	HFA15572	-1.17	-2.07	-2.04	-1.77	+1.06	-2.52	-1.79	-1.40	768680	656145	371359	376173	433513	478304	155958	357119	574868
*	HFA16316	+1.61	+1.95	+1.86	+1.06	+1.95	-1.22	+1.19	+1.30	142802	230040	279112	266174	151139	813565	305517	428539	548590
*	HFA17743	+1.05	-1.24	-2.45	-3.63	-3.63	-7.84	-3.53	-3.80	910520	955048	733830	371834	250634	278713	117247	170494	185308
*	HFA20542	+1.07	+1.67	+1.34	+1.12	-1.86	+1.05	+1.79	+2.12	28436	30476	47391	38043	31829	250824	116207	258169	239626
*	HFA00345	-1.12	+1.10	-1.09	-1.45	-1.81	-1.96	-1.74	-1.23	82852	74214	90929	75779	57074	15270	29811	50937	60369
*	HFA03321	+2.04	+1.05	+1.92	+1.64	+1.36	+2.30	+11.02	+11.80	42472	86453	44728	81531	69543	45723	42186	47518	67394
*	HFA03439	+1.55	+1.05	-1.67	-1.58	-1.91	-3.32	-1.89	-2.20	161122	249124	169964	96341	101787	57702	97893	467912	501375
*	HFA02622	-1.00	+1.07	+1.00	+1.00	+1.06	+1.05	+1.60	+3.42	15524	15524	16562	15524	15524	84489	48562	85419	73103
	HFA04500	-1.22	-1.44	-1.24	-1.48	-1.40	-1.81	-1.14	-1.17	41436	34094	28700	33325	28081	16387	16238	24882	53054
	HFA06836	-1.09	+1.26	+1.00	+1.00	+1.43	+1.04	+2.42	+1.79	38000	35012	48010	38000	38000	29695	22835	36400	35542
*	HFA06288	+1.22	+1.06	-1.03	-1.02	+1.03	-2.16	-1.18	-1.24	54344	66532	57472	52738	53396	54260	39689	92085	67856
*	HFA07409	-2.60	-2.01	-1.56	-2.34	-1.67	-3.80	-1.75	-2.45	274200	105343	136691	175859	117144	56043	25184	46208	43680
*	HFA08635	+2.35	+1.32	+1.00	+1.00	+2.31	+2.29	+3.02	+4.99	22776	53629	29954	22776	22776	164032	72228	156728	111749
	HFA09971	+1.03	+1.69	+1.25	-1.06	-1.03	-1.01	-1.16	-1.41	34284	35428	57794	42757	32364	52604	52147	68736	113715
	HFA09860	+1.37	+1.04	+1.00	+1.00	+1.00	+1.00	+1.17	-1.04	23162	31838	24149	23162	23162	33385	34066	29525	24319
*	HFA09991	-1.11	-1.15	-1.00	+1.14	+1.00	+2.10	+5.86	+6.26	42936	38613	37220	42806	48911	23162	23162	27097	22283
*	HFA11757	+2.91	+1.00	-1.35	-1.12	-1.34	-1.48	-1.12	-1.12	64840	188822	64840	47939	58012	42936	90189	251501	268781
*	HFA12592	+1.27	+1.60	+10.49	-1.00	+13.61	+2.24	+1.11	-1.31	59240	75010	94975	621342	59179	48229	43754	57854	57937
*	HFA16967	-1.06	+1.00	-1.01	-1.45	-1.44	-2.31	-1.71	-2.24	144640	136737	144640	142962	99999	806271	132711	65751	45197
	HFA16257	+1.05	+1.10	-1.03	+1.00	-1.07	-1.15	+1.13	-1.04	31256	32677	34428	30363	31256	100463	62614	84416	64463
*	HFA15333	+1.04	-2.05	-2.66	-3.41	-3.25	-7.25	-4.62	-2.87	428660	445936	208637	161388	125865	29126	27255	35210	30145
*	HFA15326	-1.11	+1.13	-1.03	-1.59	+1.00	-1.62	-1.19	-1.96	52696	47601	59528	51113	33221	131932	59159	92883	149210
	HFA15164	+1.03	+1.00	+1.00	+1.04	+1.07	+1.21	+1.29	+1.05	17308	17868	17308	17308	17978	52696	32562	44343	26940
	HFA18646	+1.32	-1.07	+1.07	+1.40	+1.07	+1.45	+2.78	-1.06	41016	54275	38261	43929	57261	18519	21002	22377	18242
*	HFA18678	-1.23	-1.39	-1.68	-2.16	-2.26	-4.03	-1.91	-2.32	163472	132667	117530	97172	75595	43748	59300	113904	38519
	HFA19656	+1.31	-1.12	+1.03	+1.06	+1.16	-1.22	+1.42	+1.26	32456	42511	29028	33479	34359	72191	40587	85486	70488
*	HFA20091	+1.83	+1.28	+1.01	-1.13	-1.16	-2.05	-1.09	-1.45	55760	102134	71371	56186	49232	37642	26618	46023	41009
*	HFA20561	+1.02	-1.30	-1.37	-1.60	-2.04	-2.48	-1.39	-2.25	86772	88777	66842	63155	54332	47877	27240	51129	38455
*	HFA00141	+1.45	+1.00	+1.00	+1.18	+1.19	+1.28	+4.32	+1.18	17368	25133	17397	17368	20414	42493	34951	62469	38596
	HFA01110	+1.32	-1.10	+1.00	+1.00	-1.03	+1.27	+1.35	+1.16	15414	20306	14052	15414	15414	20641	22180	75064	20434
*	HFA01494	+1.06	+1.05	+1.00	+1.22	-1.06	+1.11	+2.37	+1.24	23720	25235	24987	23720	28930	15036	19559	20829	17830
	HFA03670	+1.09	+1.00	+1.00	+1.00	+1.00	-1.23	+1.70	+1.00	15400	16805	15400	15400	15400	22470	26237	56291	29329
	HFA04811	+1.29	+1.11	+1.00	+1.03	+1.81	+1.67	+2.63	+1.09	15920	20573	17668	15920	16336	15400	12487	26146	15400
	HFA05354	+1.14	+1.00	+1.00	+1.00	-1.18	+1.03	+1.98	+1.00	13912	15826	13912	13912	13912	28818	26582	41937	17395
*	HFA05738	+1.00	+1.57	+1.57	+1.03	+1.80	+1.29	+3.27	+2.06	22922	22922	35900	35954	23679	11803	14376	27548	13912
*	HFA07970	+1.39	+1.37	+1.30	+1.19	+1.10	-1.01	+2.38	+1.01	32360	44867	44252	42007	38618	41234	29536	75047	47294
	HFA08947	-1.19	+1.00	+1.00	+1.00	-1.09	-1.00	+1.29	+1.00	13710	11475	13710	13710	13710	35500	31962	76965	32786
	HFA09331	+1.02	+1.00	+1.00	+1.00	-1.14	-1.03	+1.09	+1.23	16380	16773	16380	16380	16380	12528	13673	17712	13710
	HFA11470	+1.04	-1.04	+1.00	+1.00	+1.11	-1.08	+1.84	+1.06	24952	25939	24005	24952	24952	14311	15902	17867	20148
	HFA12442	+2.16	+1.05	+1.00	+1.20	-1.15	-1.28	+1.56	-1.01	22900	49515	24123	22900	27538	27636	23180	45861	26429
*	HFA12975	-1.06	-1.18	-1.23	-1.32	+1.01	-1.76	-1.08	-1.01	86742	81623	73625	70287	65890	19952	17874	35777	22621
*	HFA13359	-1.16	+1.00	+1.00	+1.00	+1.00	+1.13	+2.76	+1.00	18748	16178	18748	18748	18748	87676	49332	79995	85963
	HFA13743	+1.49	-1.03	+1.12	+1.27	-1.01	+1.17	+1.76	+1.29	24932	37097	24146	27838	31593	18748	21179	51751	18748
*	HFA17190	+2.25	+1.75	+1.24	+1.34	+1.69	+1.42	+1.91	+1.31	54934	123545	96270	68337	73639	24737	29203	43934	32077
*	HFA17539	+1.09	+1.05	+1.58	+1.25	+1.71	+4.70	+3.61	+4.60	17082	18563	17966	26917	21303	92908	77853	104684	72225
*	HFA19124	-1.32	-1.24	-1.26	-2.63	-1.78	-2.72	-1.68	-2.41	337320	255083	271914	267312	128231	29256	80362	61691	78606
*	HFA20752	+1.71	+1.34	+1.45	+1.78	+2.18	+2.03	+2.63	+2.32	30290	51668	40703	43985	53807	188264	123949	205052	139893
*	HFA21206	+1.44	-1.05	+1.00	-1.17	-1.05	-1.25	+1.13	+1.03	49324	71267	46995	49324	42306	65929	61377	79803	70318
*	HFA00950	-1.80	+1.13	+1.00	+1.44	+1.46	+1.97	+3.30	+1.41	15714	8717	17748	15714	22594	47185	39455	55492	50777
	HFA16209	-1.16	-1.19	+1.00	+1.00	-1.58	-1.42	+1.27	-1.17	24860	21398	20963	24860	24860	22916	30915	51826	22136
	HFA14057	+1.55	+1.30	-1.01	-1.04	-1.07	+1.01	+1.95	+1.24	21342	33078	27659	21144	20518	15692	17466	31453	21194
*	HFA00841	-1.22	-1.51	-1.41	-1.44	-1.47	-2.02	-1.34	+1.10	134940	110575	89361	95530	93992	19920	21577	41669	26397
*	HFA02892	-1.27	-1.05	-1.04	-2.37	-2.20	-2.17	-2.95	-3.09	56498	44618	53988	54345	23849	91554	66818	100733	148694
*	HFA04564	+2.18	+1.10	+1.16	+1.31	+1.50	+1.14	+1.63	+3.74	35452	77196	38999	41261	46373	25693	25986	19124	18300
*	HFA06225	+1.64	+1.38	+1.36	+1.47	+1.00	-1.34	+1.45	+1.68	30838	50702	42609	41840	45270	53193	40264	57916	132740
	HFA06678	+1.03	+1.00	+1.00	-1.08	+1.00	-2.30	-1.67	-1.16	24560	25242	24560	24560	22729	30838	23095	44844	51787
*	HFA10867	+1.07	+1.55	+4.01	+1.57	+1.00	+1.07	-1.12	+1.24	23200	24717	35895	93094	36414	24560	10681	14672	21260
*	HFA10401	+1.38	+1.16	+1.39	+1.50	-1.05	-1.29	+1.26	+1.26	109086	150883	126436	151253	164055	23200	24712	20730	28665
*	HFA15161	+2.33	+1.22	+1.00	+1.98	+1.21	+2.23	+2.21	+13.70	31512	73385	38546	31512	62453	104094	84745	137369	137297
*	HFA15115	+1.10	-2.07	-2.20	-1.86	-3.03	-3.68	-3.01	-2.98	98256	108103	47436	44684	52744	38244	70164	69538	431772
*	HFA15421	-1.10	-1.06	+1.01	+1.17	-1.31	+1.86	+1.31	+1.90	63428	57476	59587	64153	74130	32411	26718	32598	33014
*	HFA18279	+1.98	+1.33	+2.96	+3.19	-1.02	-1.07	+1.34	+2.48	28000	55448	37173	82958	89345	48556	117933	83220	120486
*	HFA00519	+3.09	+2.52	+3.45	+1.93	+2.75	+2.46	+2.47	+2.54	40372	124761	101688	139413	77798	27551	26186	37520	69458
	HFA02726	+1.04	-1.21	-1.17	-1.13	-1.34	-1.48	-1.30	-1.14	47460	49557	39364	40585	42182	111081	99272	99640	102438
	HFA02214	+1.40	+1.00	+1.00	+1.00	-1.68	+1.34	+1.62	+1.00	12984	18160	13002	12984	12984	35516	32052	36392	41606
	HFA01946	+2.28	+1.35	+1.16	+1.80	+1.00	+1.90	+2.25	+1.00	18814	42887	25348	21917	33795	7732	17358	20975	12984
*	HFA03183	+1.17	-1.98	-2.11	-2.19	-2.69	-5.67	-3.50	-4.22	119958	140890	60659	56763	54852	18814	35805	42337	18814
*	HFA04510	+1.55	+1.03	+1.00	+1.47	-1.16	+1.67	+1.69	+3.18	25460	39357	26218	25460	37496	44530	21149	34314	28443
*	HFA06077	+2.13	+1.62	+1.10	+1.32	+1.17	+1.05	+1.55	+3.51	49668	105925	80418	54466	65774	21958	42480	43104	80979
*	HFA07220	-1.29	-1.32	-1.88	-1.75	-1.62	-2.45	-1.84	-1.13	118928	92147	90198	64329	68071	57952	52115	77208	174156
*	HFA06454	+1.83	+1.89	+2.37	-1.18	-1.24	+1.49	+2.72	+10.81	56500	103135	106671	133843	48002	73347	48446	64547	105284
	HFA08608	+1.14	+1.00	+1.00	+1.00	+1.00	-1.14	+1.21	+1.00	18840	21437	18840	18840	18840	45606	84150	153721	611040
	HFA11176	+1.83	+1.26	+1.00	+1.32	-1.20	+1.34	+1.90	+1.05	20254	37008	25471	20254	26684	18840	16573	22771	18840
	HFA10595	+1.02	-1.46	-1.14	-1.27	+1.17	-1.64	-1.23	-1.06	59016	59979	40560	51564	46334	16925	27142	38481	21325
*	HFA09956	+1.01	-1.13	+1.18	-1.01	+1.41	-1.01	+1.61	+1.92	44624	45288	39527	52635	44238	68833	36090	47929	55540
*	HFA11666	-1.00	-1.18	-1.07	-1.32	+1.42	+1.44	+2.25	+2.61	794900	791770	676077	742761	602251	63059	44042	71989	85832
*	HFA12488	-1.22	+1.47	-1.01	-1.54	-1.62	-2.93	-1.76	-2.49	210080	172649	307877	207345	136844	1130174	1143934	1785607	2078650
	HFA14915	+1.13	+1.00	+1.00	+1.00	+1.00	+1.10	+1.32	-1.07	20082	22709	20151	20082	20082	129919	71814	119628	84265
*	HFA16139	-1.21	+1.03	+1.57	-1.09	+1.16	-1.11	+1.38	+1.32	76216	62760	78274	119614	70188	20082	22120	26453	18849
*	HFA16240	+1.17	-1.05	+1.00	+1.00	-1.59	-1.38	+2.20	+1.87	26516	30968	25368	26516	26516	88193	68433	105120	100652
	HFA15340	+1.99	+1.19	+1.00	-1.17	-1.41	-1.65	+1.50	+1.56	23600	46901	27982	23600	20223	16711	19261	58415	49696
	HFA14882	+1.10	+1.03	+1.00	+1.06	-1.03	+1.00	+1.01	+1.00	15184	16647	15671	15184	16087	16775	14287	35345	36777
*	HFA18165	-1.30	-1.73	-1.67	-1.40	-1.86	-2.58	-1.30	+1.07	67376	51706	38929	40287	48048	14812	15184	15405	15184
	HFA17736	-1.07	-1.08	+1.00	-1.21	+1.09	-1.77	-1.10	-1.01	24920	23264	23044	24920	20610	36237	26135	51788	72007
	HFA19832	+1.22	-1.08	+1.00	+1.04	+1.01	+1.00	+1.63	+1.06	27784	33843	25831	27784	29029	27224	14109	22653	24592
*	HFA20124	-1.74	-2.05	-2.00	-3.98	-4.25	-3.65	-5.29	-4.72	315516	181185	153841	158044	79229	28126	27907	45246	29573
*	HFA20521	+1.91	-1.02	-1.07	+1.02	-1.13	-1.31	+1.58	+1.01	34192	65344	33486	31883	34987	74234	86470	59697	66875
*	HFA00165	+1.60	+1.05	+1.07	+1.23	-1.21	-1.07	+1.54	+1.25	49530	79383	51892	53147	60865	30280	26121	54090	34555
	HFA01134	+1.04	+1.03	+1.00	+1.00	+1.10	+1.22	+2.35	+1.00	12940	13469	13356	12940	12940	40852	46173	76356	62157
*	HFA01518	+1.33	+1.10	+1.00	+1.06	+3.60	+5.62	+5.93	+5.16	23760	31554	26095	23760	25167	14172	15739	30354	12940
*	HFA03743	+1.57	+1.56	+1.40	+1.00	+1.79	+1.00	+2.36	+1.91	22484	35251	34989	31497	22484	85436	133510	140988	122601
	HFA04924	-1.06	+1.00	+1.00	+1.00	-1.07	+1.11	+1.24	+1.00	15456	14515	15456	15456	15456	40213	22590	53121	42974
	HFA05378	+1.56	+1.05	+1.00	+1.15	+1.20	-1.67	+1.30	+1.19	28600	44711	30067	28600	32870	14505	17198	19126	15456
*	HFA05762	+1.34	-1.12	+1.00	+1.09	+1.00	-1.36	+7.30	+1.48	18000	24168	16133	18000	19599	34322	17086	37156	34031
	HFA07994	+1.17	+1.00	+1.00	+1.00	+1.15	-1.14	+1.98	-1.00	15800	18547	15800	15800	15800	18000	13237	131373	26655
	HFA08971	-1.48	-1.19	+1.00	+1.00	-1.14	-1.06	+1.48	-1.00	21680	14652	18235	21680	21680	18191	13822	31342	15735
	HFA09355	+1.21	+1.00	+1.00	+1.05	+1.42	+1.03	+1.12	+1.01	14560	17545	14560	14560	15345	18988	20462	32141	21625
	HFA11494	+1.55	+1.01	+1.00	+1.03	-1.03	-1.36	+1.85	+1.32	26040	40293	26427	26040	26787	20637	15061	16358	14760
*	HFA12466	+1.41	-1.04	+1.04	+1.00	-1.06	-1.00	+1.18	-1.15	39076	55268	37450	40572	39076	25247	19104	48276	34264
*	HFA12999	-1.28	+1.14	+1.00	+1.00	-1.01	+1.20	+4.44	+1.20	19562	15265	22311	19562	19562	36983	38892	45965	34092
	HFA13383	-1.01	+1.54	+1.00	+1.00	-1.21	+1.00	+1.45	-1.02	16962	16852	26130	16962	16962	19353	23572	86950	23524
*	HFA13767	+1.31	+1.11	-1.01	+1.89	+1.00	-1.05	+1.96	+1.32	51546	67598	57102	51288	97239	13999	16994	24602	16598
*	HFA17349	+1.35	+1.07	+1.09	+1.12	-1.01	+1.23	+1.71	+1.14	32192	43492	34504	35049	35982	51546	49030	101137	67836
	HFA17566	+1.15	+1.00	+1.00	+1.00	-1.29	-1.14	+1.52	+1.00	16228	18676	16228	16228	16307	31753	39607	55056	36776
	HFA19148	-1.19	-1.19	+1.00	+1.00	-1.45	+1.01	+1.24	+1.29	25760	21623	21635	25760	25760	12621	14237	24712	16228
*	HFA20776	+1.23	+1.14	+1.00	+1.00	+1.00	+1.03	+5.35	+1.12	20280	24959	23197	20280	20280	17802	26104	31862	33281
	HFA21235	-1.09	+1.21	+1.00	+1.00	-1.29	-1.41	+1.07	-1.04	25104	23122	30267	25104	25104	20280	20803	108537	22726
*	HFA15357	-1.23	+1.23	-1.06	-1.12	+1.48	-1.34	+4.13	-1.75	948900	769678	1165707	896946	843873	19446	17802	26922	24164
*	HFA18737	+1.56	+1.33	+1.29	+1.01	-1.05	+1.62	+1.90	-1.12	26320	41002	34953	33849	26544	1405644	705564	3922150	543637
*	HFA19295	+1.71	+1.26	+1.51	+1.11	+1.26	+1.16	+3.09	+2.76	30714	52474	38804	46428	34067	25001	42721	50082	23444
*	HFA00264	-1.22	-1.45	-1.93	-2.20	-1.65	-3.64	-1.82	-2.29	263624	216939	182346	136404	119947	38675	35778	94756	84813
*	HFA03192	+1.42	-1.05	-1.29	-1.45	-2.02	-2.43	-1.38	-1.84	126362	179285	120691	97757	87353	159523	72489	144475	115142
*	HFA04701	-1.27	-1.07	-1.16	+1.05	-1.16	-1.50	+1.32	+1.37	58468	46015	54545	50310	61670	62597	51986	91743	68829
*	HFA06097	+1.61	-1.03	+1.13	+1.25	-1.17	-1.22	+1.15	+1.93	52700	84803	51166	59673	65883	50612	38991	77020	79948
*	HFA06524	+1.30	+1.89	+1.26	+1.02	+1.50	-1.08	+1.21	+1.63	30126	39225	56917	38065	30604	45143	43029	60609	101508
*	HFA10833	+1.77	+1.13	+1.00	+1.23	+1.55	+2.34	+2.28	+4.32	19840	35037	22395	19840	24442	45288	27834	36374	48964
*	HFA11081	+2.67	+1.60	+1.72	+2.36	+2.03	+2.76	+6.78	+12.46	21182	56503	33824	36445	49988	30726	46441	45250	85723
*	HFA16095	+1.52	+1.02	-1.31	-1.18	-1.79	-2.00	-1.28	-1.47	72374	109771	73626	55294	61544	42927	58562	143566	263914
*	HFA15157	-1.15	+1.10	+1.42	+1.20	+1.87	-1.38	-1.22	-1.10	294996	256293	323823	419836	354306	40386	36165	56407	49078
*	HFA14299	+1.65	+1.57	+1.60	+1.08	+1.09	-1.06	+1.36	+1.38	96200	158823	151366	153660	103502	552158	213225	241818	267523
*	HFA20255	-1.00	-1.06	-1.08	-1.06	-3.35	-5.85	-3.11	-3.79	155016	155016	146826	143068	146918	104806	90629	130612	132347
*	HFA00359	+1.14	-1.01	-2.80	-1.40	-10.80	-13.54	-4.87	-1.55	144510	164245	143761	51583	103416	46210	26518	49811	40883
*	HFA02355	+1.05	+1.06	-1.00	-1.23	-1.92	-2.34	+1.07	-1.99	55360	58197	58550	55275	44877	13384	10671	29656	92945
*	HFA02222	-1.03	-1.25	-1.54	-1.77	-1.42	-2.61	-1.71	-1.83	78626	76677	63078	50898	44388	28808	23636	59189	27882
*	HFA01970	-1.24	-1.23	-1.40	-1.21	-1.25	-2.92	-1.61	-3.26	377564	304897	306964	269813	312266	55315	30081	46066	43050
*	HFA02705	+1.69	+1.07	+1.01	+1.34	+1.57	+1.25	+2.06	+1.66	36928	62529	39411	37332	49555	300969	129196	234808	115916
*	HFA04656	+1.68	+1.63	+1.58	+1.69	+4.14	+1.37	+3.52	+4.17	35052	59025	56963	55447	59258	58082	46164	76108	61392
*	HFA06423	-1.18	+1.01	-1.25	-1.85	-1.03	-3.67	-1.32	-2.82	839160	710591	849896	673396	454664	144987	48158	123543	146114
*	HFA06853	+3.02	+3.71	+3.94	+1.56	+1.62	+1.06	+1.46	+1.86	60042	181087	222882	236639	93530	811274	501861	637217	297557
*	HFA07438	+1.58	+1.81	+1.21	+5.23	+1.19	-1.27	+1.05	-1.03	67588	106625	122619	81898	353601	97101	63775	87935	111653
*	HFA08393	-1.00	+1.04	+1.05	-1.54	-1.11	-1.63	+1.39	-1.38	40702	40702	42510	42541	26403	80410	53104	71283	65306
*	HFA11024	+1.54	+1.73	+2.32	+1.36	+1.36	+1.62	+4.68	+7.38	36136	55558	62380	83804	49161	36817	24971	56460	29518
	HFA10142	+1.26	+1.03	+1.00	+1.05	+1.87	-1.02	+1.53	-1.06	87542	110736	90190	87542	91612	49080	58366	168993	266740
*	HFA09926	+1.38	+1.32	+1.55	+1.08	+1.70	-1.11	+1.19	+1.24	67800	93863	89296	105085	73235	163627	85738	134107	82953
	HFA11613	-1.00	+1.17	-1.03	+1.00	-1.50	-1.12	-1.03	+1.00	26320	26320	30800	25581	26320	115488	61330	80403	84372
*	HFA12543	+1.30	+1.08	+1.00	-1.11	+1.20	-1.10	+1.07	+1.00	56146	72754	60421	56146	50459	17509	23475	25629	26320
	HFA16078	+1.13	+1.00	-1.02	+1.00	+1.00	-1.10	+1.21	-1.03	25720	29090	25720	25269	25720	67192	50826	60199	56146
*	HFA16987	+1.14	+1.00	-1.27	-1.05	-1.53	-1.76	-1.38	-1.38	103520	117876	103520	81391	98124	25720	23302	31131	25027
	HFA15182	-1.06	-1.42	-1.00	-1.26	-1.54	-2.62	-1.36	-1.02	27360	25833	19283	27236	21704	67828	58709	75094	74934
*	HFA17084	+1.26	-1.57	-1.04	-1.39	-1.36	-2.47	-1.06	-2.04	47180	59302	30117	45388	33988	17729	10447	20092	26855
*	HFA17097	-1.63	-2.59	-3.59	-3.31	-4.08	-6.67	-2.94	-3.15	191752	117393	73960	53571	58005	34620	19095	44462	23176
*	HFA17225	+1.00	-1.08	+1.02	-1.08	-1.04	-2.02	-1.26	-1.90	398188	399646	369489	406022	368875	46974	28759	65214	60956
	HFA18102	+1.09	-1.04	+1.00	-1.11	-1.06	-1.38	-1.06	+1.14	18880	20620	18103	18880	16961	381111	197147	314833	209819
*	HFA19772	-1.37	-1.54	-1.46	-2.53	-3.54	-4.30	-3.89	-2.97	113204	82636	73461	77769	44763	17819	13714	17880	21601
*	HFA19873	+1.02	+1.08	+1.16	-1.45	-1.11	-2.08	-1.28	-2.15	276516	283090	299179	321430	190084	32017	26317	29403	38163
	HFA20546	+1.39	-1.19	+1.00	-1.37	-1.36	-1.88	+1.04	+1.16	35354	49036	29658	35354	25900	248315	132720	216209	128485
	HFA00189	+1.34	+1.20	+1.06	+1.12	-1.09	-1.10	+1.14	+1.00	20880	27991	25028	22110	23333	26056	18758	36669	40851
	HFA01158	+1.51	-1.02	+1.00	+1.00	+1.15	+1.12	+1.39	+1.06	15520	23402	15231	15520	15520	19110	18962	23865	20880
*	HFA01542	-1.58	-2.27	-3.06	-3.33	-3.75	-4.68	-2.71	-3.51	446204	281989	196632	145602	133947	17821	17363	21542	16385
*	HFA03777	+2.01	+2.10	+1.13	+1.06	+1.13	+1.17	+1.65	+1.27	26480	53280	55609	30052	28158	118957	95264	164492	127062
	HFA04948	+1.26	+1.23	+1.00	+1.28	-1.03	+1.10	+1.44	+1.06	15700	19739	19247	15700	20114	29976	30934	43732	33732
	HFA05402	+1.61	-1.15	+1.00	+1.00	-1.21	+1.10	+1.36	+1.00	20492	33022	17839	20492	20492	15297	17335	22648	16577
*	HFA05786	-1.23	-1.15	+1.07	-1.31	+1.11	-1.22	+1.31	-1.04	92558	75245	80523	99057	70836	16976	22447	27922	20492
*	HFA08018	+1.00	+1.14	+1.00	+1.00	+1.00	+1.10	+3.71	+1.13	20298	20298	23092	20298	20298	102399	75706	120858	89390
	HFA08995	-1.02	+1.15	+1.00	+1.00	-1.06	-1.34	+2.00	+1.00	14980	14730	17218	14980	14980	20298	22286	75400	22958
	HFA09379	-1.07	+1.00	+1.00	+1.00	-1.22	-1.10	+1.12	+1.05	13832	12871	13832	13832	13832	14199	11201	29911	14980
	HFA11518	+1.81	+1.10	+1.00	+1.41	+1.11	+1.14	+1.61	+1.42	21736	39340	23937	21736	30640	11295	12575	15539	14520
	HFA12639	+1.23	-1.08	+1.00	+1.14	-1.42	-1.07	+1.48	+1.14	18360	22606	16993	18360	21011	24063	24742	34900	30859
*	HFA13023	+1.34	-1.07	+1.05	+1.13	+1.02	-1.16	+2.63	+1.27	37760	50676	35237	39821	42701	12924	17239	27239	20867
	HFA13407	+1.04	+1.28	+1.00	+1.00	-1.15	-1.27	+1.90	-1.08	21680	22495	27822	21680	21680	38452	32690	99372	48017
*	HFA13791	-1.01	+1.00	+1.04	-1.38	-1.03	-2.71	-1.39	-1.94	329454	327343	330913	341764	239536	18784	17048	41147	20066
	HFA17615	+1.32	+1.06	+1.03	+1.00	-1.13	+1.32	+1.76	+1.08	17400	23000	18362	17836	17400	319801	121524	236602	170045
	HFA17592	+1.00	+1.08	+1.00	+1.01	+1.00	+1.47	+1.31	+1.00	17756	17756	19260	17756	17906	15349	22987	30553	18856
	HFA19172	-1.20	-1.01	+1.21	+1.15	-1.14	-1.51	+1.42	+1.20	31498	26270	31336	38079	36108	17756	26053	23246	17756
*	HFA20800	-1.15	+1.00	+1.00	+1.00	+1.11	+2.52	+3.56	+2.05	15652	13628	15652	15652	15652	27674	20835	44691	37785
	HFA21304	-1.01	+1.10	+1.00	+1.00	-1.25	-1.14	-1.01	+1.00	19400	19180	21350	19400	19400	17322	39521	55742	32028
	HFA05210	-1.53	+1.00	+1.00	-1.04	-1.17	-1.12	+1.29	+1.00	14560	9523	14560	14560	13962	15480	17078	19126	19400
*	HFA00458	+1.01	+1.12	+1.00	+1.04	+1.50	+1.79	+3.90	+1.13	22896	23028	25681	22896	23767	12416	13003	18825	14560
*	HFA03291	+1.07	+2.09	+17.67	+5.65	+2.14	+5.61	+7.91	+13.23	79092	84897	165585	1397466	446930	34334	40992	89194	25817
	HFA01880	+1.12	+1.02	+1.00	+1.00	-1.26	-1.44	-1.04	+1.00	19774	22072	20178	19774	19774	168952	443966	625724	1046065
*	HFA04320	+1.03	+1.05	+1.17	+1.44	-1.43	-1.38	+1.85	+3.22	119028	122975	125154	138726	171405	15749	13718	18936	19774
*	HFA05958	-1.37	-4.02	-8.28	-7.40	-5.51	-11.74	-10.08	-12.08	1329668	972845	330660	160674	179762	83078	85963	220556	383297
*	HFA07537	+1.81	+1.42	+1.52	-1.03	-2.00	-1.71	-1.63	-1.29	867490	1567714	1235287	1316286	838549	241316	113262	131856	110075
*	HFA10292	+1.00	+1.02	+2.25	+3.17	-1.12	+2.95	+6.40	+7.83	45316	45316	46128	101820	143789	433898	508089	538319	675071
*	HFA11246	+1.47	+2.92	+2.02	+1.12	+1.34	+1.23	+1.08	+1.09	45848	67205	133811	92626	51396	40370	133691	290153	354949
*	HFA16133	+1.21	+1.27	+1.12	+1.28	-1.59	+1.00	+1.34	+1.34	37544	45370	47577	42023	48138	61496	56584	49422	50171
*	HFA16190	+3.39	+1.00	+1.00	+1.00	-1.68	+1.32	-1.04	-1.33	21914	74264	21914	21914	21914	23557	37618	50343	50470
*	HFA15432	-1.04	-1.89	-3.25	-1.55	-1.43	-3.50	-2.54	-2.85	276684	264951	146235	85034	178785	13020	28926	21050	16465
*	HFA19776	+1.47	+1.31	-1.07	-2.46	-2.59	-4.55	-2.67	-1.96	321908	471735	423092	301467	131098	195630	79134	108777	97002
	HFA00347	+1.68	+1.08	+1.00	+1.00	-1.16	+1.05	+1.29	+2.31	20956	35201	22619	20956	20956	124219	70810	120728	164173
*	HFA02340	+1.02	-1.08	+1.01	+1.05	+1.06	-1.69	+1.05	-1.05	55524	56753	51267	55973	58553	18043	21987	27103	48381
*	HFA03417	+1.25	+1.23	+1.13	-1.59	-2.06	-2.40	-1.82	-1.62	694182	865181	854877	781866	435278	58866	32889	58078	52732
*	HFA03445	+1.10	-2.39	-3.61	-2.72	-6.37	-7.03	-4.31	-6.40	187222	205670	78222	51886	68912	336391	288796	381738	429241
*	HFA03739	+1.19	+1.44	+1.51	+1.19	+1.37	-1.03	+1.42	+1.67	33038	39368	47632	50036	39480	29384	26639	43477	29270
*	HFA04463	+1.27	-1.22	-1.20	-1.11	-2.48	-2.06	-1.05	+1.00	215862	274751	177518	179588	194653	45228	32070	47026	55140
*	HFA06089	+1.36	+4.44	+2.31	+1.36	+3.47	+1.39	+1.99	-1.07	21094	28740	93630	48791	28741	89344	105032	206060	215862
*	HFA06166	+1.47	+1.16	-1.06	-1.08	-1.45	-1.54	-1.07	-1.12	45600	67153	52841	43199	42246	73116	29382	42044	19661
*	HFA06950	+1.23	+2.17	+18.27	+1.93	+1.03	-2.94	-1.10	+1.03	32598	40093	70639	595629	62805	31494	29584	42509	40777
*	HFA08486	+1.23	+1.01	+1.01	+1.13	+1.70	+1.68	+1.94	+3.04	34514	42504	34964	34986	38830	33512	11071	29759	33417
*	HFA10204	+1.19	-1.13	+1.00	+1.17	+1.06	+1.07	+1.53	+1.94	28724	34172	25525	28803	33725	58838	58096	67119	104921
	HFA09719	+1.27	+1.27	+1.01	+1.25	+1.00	+1.14	+1.07	+1.57	23632	30027	30005	23755	29456	30415	30677	43935	55851
*	HFA10455	+1.42	+1.09	+3.59	+4.10	+2.35	+2.94	+4.09	+4.42	25510	36350	27681	91701	104568	23632	26948	25389	37122
*	HFA11834	-1.96	-1.94	-2.67	-3.66	-3.01	-5.67	-3.69	-3.07	433654	221526	223882	162388	118522	59835	75048	104356	112716
*	HFA12614	+1.27	+1.17	+1.01	+1.04	-1.52	+1.25	+2.07	+2.94	27418	34910	32117	27698	28493	143959	76423	117602	141170
	HFA15253	+1.25	+1.00	+1.00	+1.02	-1.30	-1.90	-1.46	-2.05	28990	36258	28990	28990	29654	18021	34408	56692	80550
*	HFA14539	+1.17	+1.02	+1.00	+1.00	+1.07	-1.33	+2.58	+1.43	24034	28219	24448	24034	24034	22231	15224	19919	14134
	HFA15567	-1.00	+1.02	+1.00	+1.00	+1.00	-1.05	+1.22	+1.00	15280	15280	15571	15280	15280	25704	18016	62062	34350
*	HFA16730	-1.85	-2.10	-1.77	-2.40	-1.06	-1.98	-1.81	-1.67	135832	73488	64533	76872	56657	15280	14543	18637	15280
	HFA14316	-1.01	+1.19	+1.01	-1.06	+1.06	-2.53	-1.04	+1.16	34882	34438	41501	35240	32791	127819	68542	74853	81166
*	HFA18513	+1.21	+1.06	+1.46	+1.18	+1.03	-1.15	+2.26	+1.38	24590	29808	26127	36019	28940	36826	13765	33621	40451
*	HFA18335	+1.46	+1.82	+1.82	+1.26	+1.71	+2.30	+3.06	+2.70	42536	62250	77507	77359	53578	25240	21430	55679	33955
	HFA19640	+1.27	-1.26	+1.03	-1.08	+1.00	-1.12	-1.28	-1.32	31880	40370	25362	32887	29428	72934	97816	130343	114905
*	HFA20209	-1.02	-1.02	+1.72	+1.11	+3.40	+2.77	+1.66	+1.24	24520	24129	24078	42142	27141	31880	28581	24877	24078
	HFA20631	-1.72	-1.17	-1.26	-1.50	-1.90	-2.05	-1.51	-1.74	47762	27766	40774	37891	31947	83489	67984	40650	30336
	HFA00213	+1.03	+1.13	+1.00	+1.05	+1.01	+1.12	+1.56	-1.01	18738	19385	21199	18738	19747	25090	23354	31538	27477
	HFA01182	-1.31	-1.13	+1.00	+1.00	-1.38	-1.23	+2.97	-1.07	15960	12228	14148	15960	15960	18832	20958	29247	18554
*	HFA01566	+3.27	+5.45	+13.09	+4.65	+21.97	+12.36	+16.39	+11.34	123954	405350	675348	1623039	576481	11526	12937	47361	14970
	HFA03808	+1.58	+2.27	+1.27	+1.38	+1.75	+1.59	+2.43	+1.44	17600	27791	39879	22291	24301	2723679	1532365	2031512	1405833
	HFA05042	+1.02	+1.00	+1.00	+1.00	-1.30	-1.23	-1.10	+1.00	13780	13996	13780	13780	13780	30796	27914	42837	25280
*	HFA05426	+1.83	+1.06	+1.07	+1.00	+1.31	-1.77	+1.33	-1.20	66498	121395	70805	71047	66668	10631	11212	12491	13780
*	HFA05810	+1.08	-1.29	-1.51	-1.75	-1.28	-3.28	-1.45	-2.13	181722	196307	140990	120004	103853	87439	37573	88531	55303
*	HFA08042	+1.53	+1.06	+1.00	+1.00	-1.07	+1.10	+3.19	+1.06	18602	28419	19788	18602	18602	142338	55421	125293	85142
	HFA09019	+1.31	+1.00	+1.00	+1.00	-1.06	+1.10	+3.28	+1.12	22944	30035	22944	22944	22944	17328	20474	59381	19757
*	HFA09403	+6.65	+5.33	+3.36	-1.05	+2.30	+1.03	+1.20	-1.39	2152318	14320114	11462046	7234995	2049772	21578	25323	75183	25738
	HFA11542	+1.03	+1.12	+1.00	+1.00	-1.47	-1.19	+1.12	+1.01	16160	16598	18085	16160	16160	4940930	2213149	2589672	1552804
	HFA12663	+1.04	+1.09	+1.00	+1.00	-1.01	-1.29	+1.07	+1.00	28380	29556	31011	28380	28380	10985	13575	18058	16385
	HFA13047	-1.05	+1.00	+1.00	+1.00	-1.02	-1.25	+1.16	+1.14	16560	15732	16560	16560	16560	28190	21983	30306	28380
*	HFA13431	-1.15	+1.11	+1.19	+1.00	+1.00	+1.83	+3.86	+1.62	16880	14632	18797	20048	16880	16232	13274	19287	18866
	HFA13815	+1.64	-1.16	+1.00	+1.00	+1.00	-1.21	+1.54	+1.00	16860	27617	14568	16860	16860	16880	30951	65086	27394
*	HFA17689	+1.97	+1.34	+1.24	+2.20	+1.05	+1.01	+2.49	+1.73	60160	118747	80408	74643	132588	16860	13979	26029	16860
	HFA17619	+1.40	+1.00	+1.00	+1.00	+1.00	-1.36	+1.60	+1.00	16784	23558	16784	16784	16784	63428	60671	149971	104224

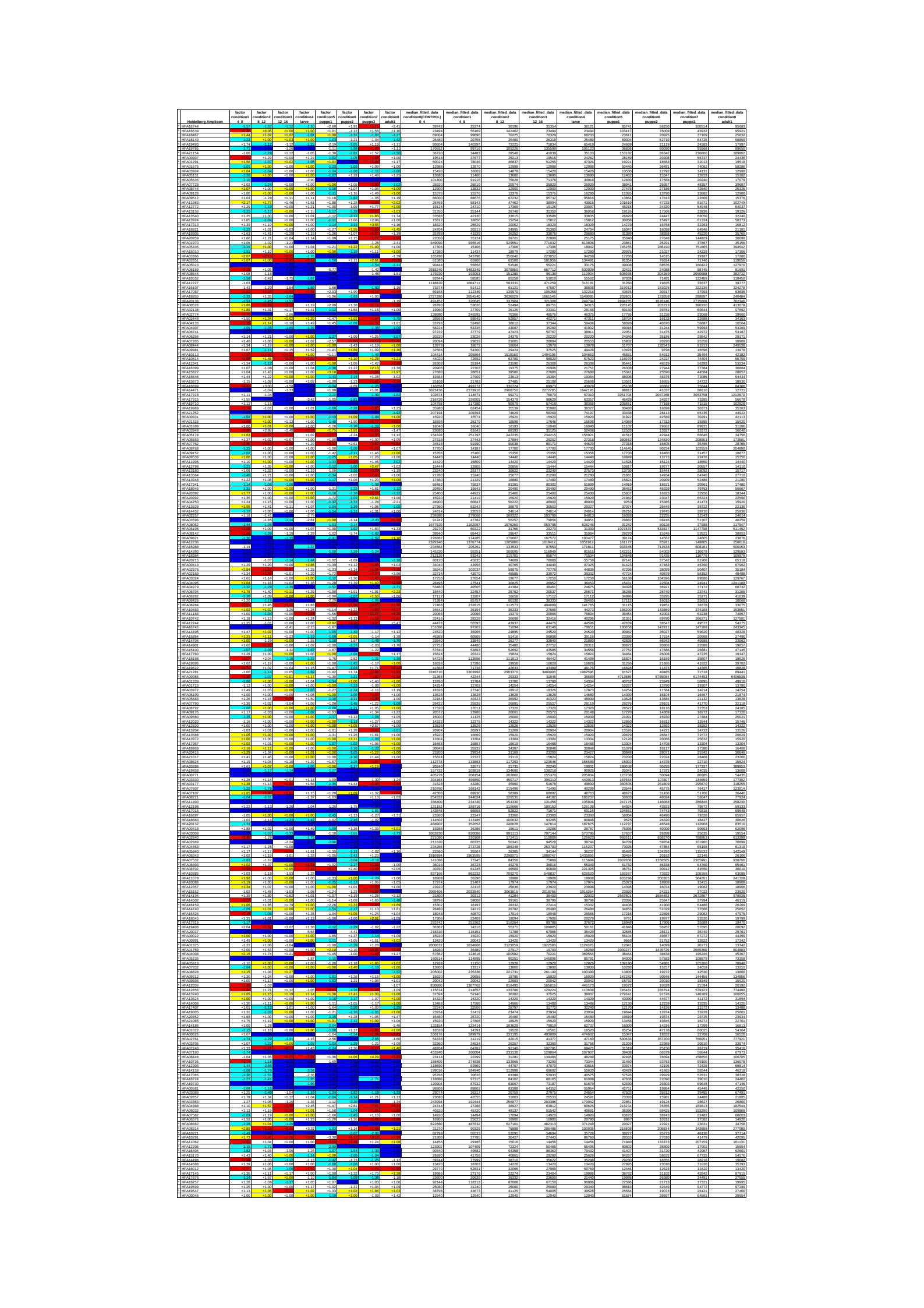


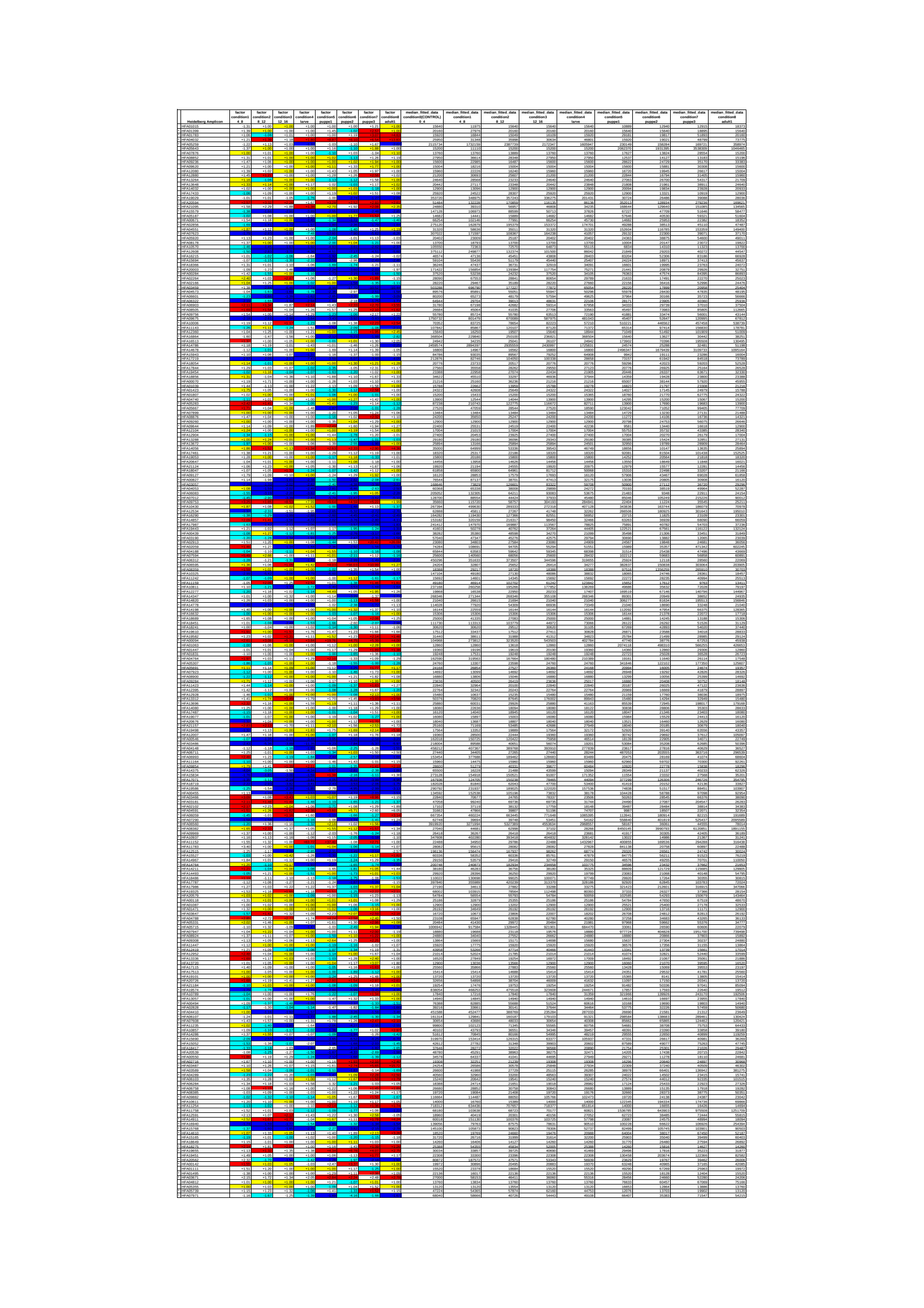


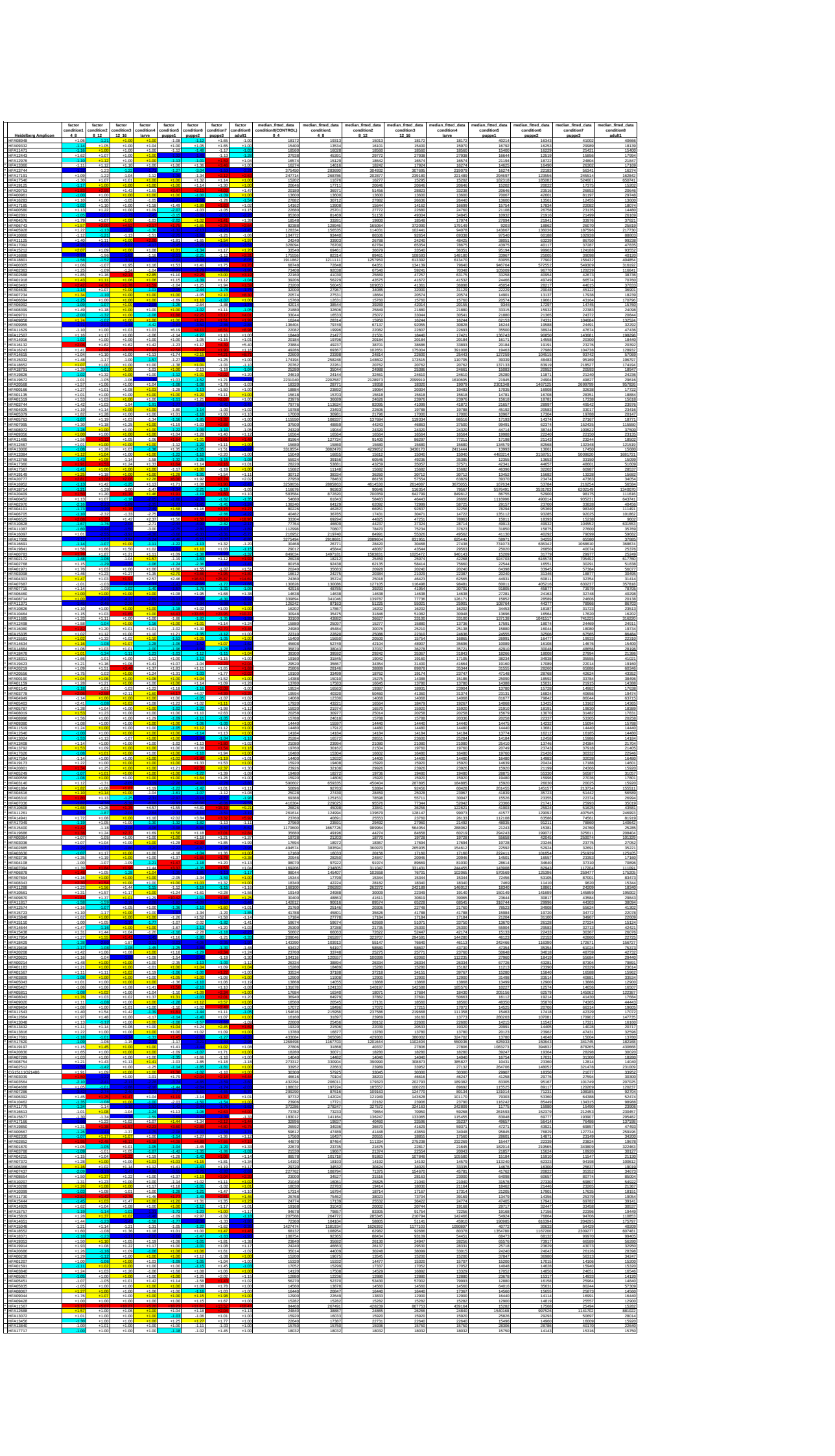
	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA12320	-1.85	-2.14	-2.07	-5.85	-3.13	-5.06	-2.57	-2.50	771048	416679	360450	372593	131759	49607	24783	95869	34788
*	HFA16592	-1.66	-2.03	-1.57	-2.13	-2.05	-2.64	-2.37	-2.26	50602	30538	24948	32269	23769	246106	152461	299658	308035
*	HFA15809	+1.31	+3.43	+1.91	+1.44	+3.12	+1.96	+2.33	-1.50	52184	68465	178856	99677	75366	24689	19147	21309	22392
*	HFA18113	+1.48	+1.16	+1.88	-1.12	+1.41	+1.15	+1.45	+2.48	49074	72477	56706	92187	43731	162816	102265	121699	34860
*	HFA19958	-1.95	-1.60	-1.48	-2.12	-1.74	-3.77	-2.06	-2.00	227336	116682	142328	153562	106994	69141	56543	71121	121787
	HFA00723	-1.37	-1.72	-1.16	-1.81	-1.42	-2.76	-2.04	-2.05	38800	28352	22543	33501	21477	130364	60285	110162	113858
	HFA03049	+1.44	-1.14	+1.03	+1.00	+1.78	-1.53	+1.05	-1.02	30760	44193	26913	31682	30760	27402	14066	18987	18919
*	HFA02557	-1.03	+1.22	-1.09	-1.26	-1.03	-1.14	-1.06	-2.20	1472116	1434880	1790309	1353918	1150852	54617	20158	32289	30018
*	HFA02087	+2.14	+1.57	+1.18	-1.28	-2.34	-1.68	-1.71	-1.31	159872	341438	250205	188866	125157	1433528	1285783	1387620	667754
*	HFA04455	+1.62	+1.14	+1.00	+1.37	+2.18	+1.54	+3.56	+4.74	23700	38329	27054	23764	32452	68285	95139	93443	122507
	HFA06182	+1.51	+1.24	+1.12	+1.19	+1.17	+1.08	+1.31	-1.12	27604	41615	34212	30840	32922	51691	36601	84284	112324
*	HFA06330	+1.34	-1.13	+1.03	-1.39	-1.33	-3.54	-1.68	-1.75	363676	488937	322516	374013	262081	32427	29939	36051	24742
	HFA06572	-1.25	-1.03	-1.06	+1.00	-1.29	-1.41	+1.21	+1.15	24418	19469	23663	22961	24418	272555	102702	216815	208142
*	HFA07780	-1.27	-1.78	-2.17	-2.57	-1.92	-4.42	-4.27	-3.94	207746	163667	116735	95950	80713	18995	17324	29495	28171
*	HFA08322	-2.40	-2.20	-2.46	-1.99	-1.77	-3.85	-2.59	-3.32	148364	61765	67361	60404	74679	108317	47030	48624	52723
*	HFA10264	+1.72	+1.42	+1.23	+1.82	+1.61	+1.00	+1.89	+1.41	36060	62101	51101	44514	65457	83682	38492	57356	44695
	HFA10018	-1.08	+1.17	+1.00	+1.27	+1.46	+1.92	+1.97	+2.25	21214	19595	24725	21214	26985	58145	36162	68201	50816
	HFA10097	+1.91	+1.11	+1.00	+1.24	-1.04	-1.06	+1.03	-1.00	25980	49558	28862	25980	32318	30866	40772	41858	47637
*	HFA12363	+1.57	-1.15	-1.25	-1.76	-1.43	-1.96	-1.08	+1.03	128622	201952	111671	103103	73034	24963	24461	26759	25936
*	HFA16484	-1.36	+1.16	+1.08	-1.07	+1.08	-1.06	+1.65	-2.14	2731982	2010117	3172295	2937055	2555537	89826	65555	118861	132602
*	HFA16442	+1.11	+1.20	+1.00	+1.01	+24.89	+3.07	+2.96	+1.43	23522	26105	28198	23522	23647	2962103	2587353	4517136	1278186
*	HFA16214	-1.27	-1.81	-2.39	-2.87	-2.92	-5.07	-2.90	-2.86	223708	175492	123475	93452	77932	585443	72106	69601	33665
*	HFA14690	-1.16	+1.00	+1.04	-1.28	+1.58	-1.49	-1.15	-1.13	207880	178701	207934	215235	162407	76693	44083	77036	78163
	HFA14746	+1.53	+1.45	+1.00	-1.15	-1.24	+1.11	+1.07	+1.00	19080	29108	27699	19080	16587	329362	139785	181242	183200
*	HFA16979	-3.33	-2.58	-2.93	-4.33	-4.26	-7.46	-4.53	-4.25	749346	225083	290687	256015	173114	15448	21245	20427	19080
*	HFA18060	+1.46	+1.13	+1.00	+1.11	+1.05	+1.34	+2.25	+2.90	25676	37484	29099	25676	28435	175712	100481	165418	176182
	HFA18751	+1.68	+1.11	+1.00	-1.56	+1.00	-1.43	+1.18	+1.00	27000	45285	30100	27000	17292	26957	34448	57713	74334
*	HFA19536	+1.22	+1.21	+1.30	+1.01	+1.00	-1.06	+1.62	+1.13	35902	43959	43330	46646	36440	27000	18849	31918	27000
*	HFA20042	+1.09	+1.02	+2.43	-1.05	+2.32	-1.01	+1.17	+1.00	132080	144165	134265	320730	125347	35902	33816	58011	40429
	HFA00034	+1.06	+1.29	+1.00	+1.00	-1.06	-1.02	-1.07	+1.00	15280	16248	19703	15280	15280	306101	130611	154707	132080
	HFA01003	+1.01	+1.11	+1.00	+1.00	+1.00	+1.00	+1.41	+1.01	17240	17356	19071	17240	17240	14442	15046	14337	15280
	HFA01387	+1.13	+1.09	+1.00	+1.00	-1.09	-1.21	+1.93	+1.00	14534	16400	15886	14534	14534	17240	17240	24339	17480
*	HFA01771	+1.22	-1.10	+1.07	+1.20	+1.45	-1.43	+1.23	+1.15	77312	93998	70391	82727	92915	13343	11975	28081	14534
	HFA04020	+1.00	+1.00	+1.00	+1.00	+1.00	-1.15	+2.36	-1.05	15800	15800	15800	15800	15800	112248	54172	94829	88867
	HFA05247	+1.30	+1.33	-1.01	-1.09	+1.24	-1.18	+1.26	-1.04	30018	39047	39893	29828	27500	15800	13751	37271	14982
	HFA05631	-1.03	+1.00	+1.00	+1.23	-1.01	+1.13	+1.36	+1.99	18160	17574	18160	18160	22326	37251	25353	37719	28733
*	HFA07863	+1.01	-1.18	+1.04	-1.56	-1.49	-3.16	-1.49	-2.49	363600	367627	307908	378186	232783	18028	20562	24639	36069
	HFA08840	+1.33	+1.04	+1.00	+1.00	+1.12	+1.24	+1.42	+1.14	18248	24358	18949	18248	18248	244620	115217	244240	146094
*	HFA09224	+4.37	+3.45	+3.08	+2.33	+3.42	+3.15	+4.64	+3.53	63102	276001	217474	194225	146715	20396	22706	26002	20795
*	HFA09608	+2.70	+4.33	+4.75	+2.36	+11.55	+3.95	+5.77	+4.94	170004	458906	736112	806999	401598	215645	198950	292897	222958
*	HFA12068	-1.02	+1.05	+1.10	+1.08	+1.38	-1.42	+2.55	+1.13	29460	28758	30867	32539	31748	1963770	672212	980848	839656
	HFA12868	+1.00	+1.10	+1.00	+1.00	-1.07	+1.15	+1.67	+1.07	28520	28573	31243	28520	28520	40551	20811	74982	33412
	HFA13252	+1.00	-1.02	+1.03	+1.00	+1.32	-1.20	+1.37	+1.31	21614	21614	21256	22336	21614	26552	32907	47618	30573
*	HFA13636	-1.36	-1.12	-1.02	-1.22	-1.07	-3.24	-1.20	-1.35	123712	90651	110918	121484	101570	28592	18031	29594	28245
	HFA14020	+1.36	+1.09	+1.00	+1.17	+1.09	+1.03	+1.28	+1.00	18128	24607	19717	18128	21196	116004	38163	103511	91911
*	HFA17420	+2.50	+2.83	+4.90	+6.63	+15.55	+6.32	+15.90	+5.28	284094	711298	804464	1392907	1883606	19698	18680	23126	18128
	HFA19017	+1.88	+1.00	+1.00	+1.00	-1.14	-1.10	-1.07	+1.00	21720	40906	21815	21720	21720	4416256	1795174	4517355	1499429
*	HFA20464	+1.39	+1.05	+1.00	+1.03	+1.58	-1.01	+2.53	+1.00	24048	33364	25143	24048	24819	19080	19797	20240	21720
	HFA21082	-1.00	+1.00	+1.00	+1.00	+1.18	+1.18	+3.21	+1.08	15382	15357	15382	15382	15382	37926	23746	60846	24048
*	HFA14946	+2.36	+2.39	+1.09	-3.45	-1.44	-5.57	-2.34	-6.14	287802	680590	688061	313893	83472	18197	18145	49341	16667
*	HFA01413	+2.48	+6.74	+15.04	+9.51	+12.30	+2.11	+1.04	-1.47	272558	675387	1837405	4098840	2591239	199467	51711	122880	46908
*	HFA00304	-1.01	-1.14	-1.16	-1.12	-1.13	+1.04	+1.03	+1.43	122400	121643	107720	105265	109381	3351511	576436	283352	185994
	HFA02228	+1.17	-1.03	-1.13	-1.06	-1.50	-1.97	-1.37	+1.08	27402	32080	26722	24286	25765	107941	126873	125530	175418
*	HFA04042	+1.68	+1.94	+3.89	+2.97	+1.56	+3.33	+3.16	+4.04	2622100	4397288	5092225	10205051	7795001	18260	13885	19989	29605
*	HFA07375	+1.51	-1.01	+1.00	+1.45	+1.25	-1.28	+1.72	+1.93	37062	56126	36735	37062	53841	4079986	8736349	8298592	10604265
*	HFA06865	-1.06	-1.31	-1.40	-1.57	-2.49	-4.20	-2.14	-2.78	67336	63517	51402	47974	42933	46383	29011	63726	71590
	HFA08453	-1.06	-1.96	+1.00	+1.42	-1.04	-1.48	+1.11	+1.03	28220	26587	14430	28220	40097	27009	16015	31539	24191
*	HFA09877	-1.10	-1.16	-1.50	-1.83	-2.16	-1.56	-2.05	-1.96	138444	125895	119569	92600	75550	27141	19015	31271	28988
*	HFA12296	+1.23	-1.44	-1.66	-2.83	-3.94	-4.54	-2.84	-2.52	118610	146097	82459	71318	41839	64094	88995	67563	70464
*	HFA16273	+1.27	-1.26	-1.54	-1.86	-1.84	-3.64	-1.99	-2.25	75684	96195	59909	49124	40705	30093	26153	41693	47043
*	HFA15485	+1.70	+1.13	+1.00	+1.08	-1.02	-1.68	-1.03	-1.21	29640	50433	33401	29640	32104	41126	20813	37998	33583
*	HFA17937	-4.13	-6.12	-2.27	-2.62	-8.32	-7.60	-4.89	-3.16	100718	24404	16454	44365	38408	29060	17642	28652	24401
*	HFA20312	+1.53	+1.99	+1.51	-1.10	-1.27	-2.12	-1.16	-1.12	307798	469652	613668	464239	279349	12111	13258	20586	31868
	HFA00748	+1.41	+1.29	+1.24	+1.03	-1.18	-1.21	+1.42	+1.50	19334	27221	24893	24040	19919	241556	145237	264742	274700
	HFA03070	+1.63	+1.00	+1.00	+1.14	+1.00	+1.05	+1.84	+2.44	20400	33201	20400	20400	23245	16379	15961	27416	29020
	HFA02936	+1.50	-1.01	+1.00	+1.00	-1.04	-1.19	+1.02	+1.23	25710	38656	25345	25710	25727	20400	21372	37477	49840
*	HFA02626	+1.95	+1.29	+1.00	+1.00	-1.18	+1.85	+2.11	+2.23	22680	44283	29164	22680	22680	24605	21628	26097	31508
*	HFA04570	+2.27	+1.36	+1.00	+2.17	+1.23	-1.08	+1.24	+1.39	29668	67248	40321	29668	64253	19167	41863	47772	50671
	HFA06641	+1.40	+1.00	+1.00	+1.00	-1.47	+1.50	+1.10	+1.01	14174	19861	14174	14174	14174	36558	27467	36693	41102
*	HFA07408	-1.11	-2.00	-3.03	-3.84	-4.21	-9.03	-5.01	-5.32	660428	596990	330989	218175	171996	9664	21246	15626	14292
*	HFA07469	+1.54	+1.08	+1.02	+1.55	+1.45	+1.98	+3.77	+4.57	23402	36118	25285	23881	36313	156862	73175	131921	124148
*	HFA08509	-1.70	-2.01	-2.71	-5.70	-3.36	-6.98	-5.30	-6.16	1507100	887800	751274	555753	264224	33960	46400	88241	106943
	HFA09776	+1.12	+1.00	+1.00	+1.00	-1.69	-1.04	+1.09	-1.04	15224	17096	15224	15224	15224	448008	215770	284268	244702
*	HFA10702	+1.87	+2.48	+5.62	+3.12	+2.31	+1.92	+2.96	+4.39	37536	70196	93244	211047	117032	9019	14648	16596	14684
*	HFA10351	+1.54	+1.22	+1.28	+1.44	+1.27	+1.06	+2.13	+1.84	39600	61131	48264	50761	57071	86676	71959	111118	164624
*	HFA11045	-1.18	-1.32	-2.23	-1.83	-1.94	-2.32	-2.10	-2.82	207866	176136	157968	93082	113283	50431	41858	84330	73007
*	HFA12295	-1.02	+1.09	-1.12	-1.05	-1.44	-2.31	-1.21	-1.65	187800	183732	205192	168167	179296	107345	89667	98912	73797
*	HFA16932	-1.43	-2.97	-6.07	-1.50	-7.89	-17.63	-7.23	-9.20	533214	373299	179499	87872	354528	130133	81288	155468	113520
	HFA14830	-1.15	+1.02	+1.00	+1.00	-1.54	-1.41	+1.12	+1.01	23760	20632	24319	23760	23760	67578	30243	73725	57984
*	HFA15121	+1.35	+1.29	+1.36	+1.00	+1.64	+1.32	+2.24	+1.67	27724	37392	35777	37831	27724	15404	16853	26641	24096
	HFA16104	-1.13	+1.00	+1.00	+1.73	-1.00	-1.31	+1.88	+1.03	21996	19414	21996	21996	38024	45604	36651	62084	46263
	HFA15183	+1.82	+1.06	+1.00	+1.00	-1.36	-1.08	+1.28	+1.40	14944	27170	15903	14944	14944	21982	16848	41390	22568
	HFA17175	+1.07	+1.30	+1.85	+1.00	-1.04	+1.15	+2.02	+1.33	23280	24985	30289	43092	23280	11005	13846	19178	20868
	HFA18572	+1.35	+1.20	-1.01	+1.00	+1.00	-1.04	+1.67	+1.49	22048	29692	26529	21930	22048	22341	26701	47102	30874
	HFA17974	+1.04	-1.09	+1.00	-1.02	-1.31	-1.73	-1.25	-1.08	26054	27136	23801	26054	25635	22048	21159	36825	32879
	HFA19596	+1.29	+1.13	+1.00	+1.00	-1.62	-1.08	+1.12	+1.04	22060	28511	24952	22060	22060	19920	15032	20887	24139
*	HFA20384	-1.08	-1.07	+1.33	+1.04	+1.13	-1.01	+1.67	+1.64	255480	236948	239669	339952	266969	13604	20426	24793	22885
	HFA00058	+1.08	+1.06	+1.00	+1.00	+1.00	-1.11	-1.27	+1.00	15920	17237	16809	15920	15920	288175	252667	427565	419334
	HFA01027	+1.61	+1.04	+1.00	+1.00	-1.40	-1.03	+1.01	+1.00	17408	28055	18040	17408	17408	15920	14359	12580	15920
	HFA01411	-1.13	+1.03	+1.00	+1.00	-1.11	+1.01	+1.59	+1.00	25480	22639	26331	25480	25480	12394	16895	17599	17408
	HFA01795	-1.21	+1.00	+1.00	+1.00	-1.15	-1.12	-1.08	+1.00	14188	11768	14188	14188	14188	22932	25756	40418	25480
	HFA04728	-1.16	+1.00	+1.00	+1.00	-1.38	+1.18	+1.99	+1.00	13084	11285	13084	13084	13084	12334	12664	13164	14188
	HFA05271	+1.25	-1.01	+1.00	+1.00	+1.02	-1.02	+1.41	-1.05	25510	31942	25156	25510	25510	9471	15400	26015	13084
*	HFA05655	+1.97	+3.11	+2.37	+1.04	+2.10	+1.86	+2.62	+1.89	26012	51140	80970	61592	26939	25908	25024	35930	24271
	HFA07887	-1.00	+1.00	+1.00	+1.00	-1.38	+1.13	-1.25	+1.34	13740	13740	13740	13740	13740	54674	48464	68058	49123
	HFA08864	+1.19	-1.23	+1.00	+1.14	-1.98	+1.01	+2.11	+1.02	21454	25569	17479	21454	24373	9949	15562	11019	18371
	HFA09248	-1.25	+1.05	+1.00	+1.00	+1.00	-1.09	+1.26	+1.23	15280	12239	16098	15280	15280	10835	21614	45245	21853
*	HFA09632	-1.26	+1.03	-1.35	-1.55	-1.41	-1.51	+1.02	-2.87	2238976	1778798	2310865	1655391	1443733	15338	14054	19271	18788
*	HFA12092	+1.94	+1.33	+1.00	+1.00	+1.01	+1.22	+2.02	+1.30	26774	51813	35635	26774	26774	1592201	1484091	2281138	779942
	HFA12892	-1.24	+1.06	+1.00	+1.00	-1.04	+1.02	+2.11	+1.00	16804	13544	17830	16804	16804	27153	32683	54145	34884
*	HFA13276	+2.42	+3.51	+3.92	+1.85	+7.76	+2.87	+4.55	+2.37	154752	374611	542671	607053	286182	16082	17116	35437	16804
	HFA13660	+1.00	+1.00	+1.00	+1.00	-1.20	-1.04	+2.32	+1.00	15320	15320	15320	15320	15320	1200177	443621	704331	366849
*	HFA14044	+1.75	+1.54	+1.30	+1.51	+1.44	-1.08	+1.76	+1.00	40450	70664	62298	52455	61276	12736	14792	35577	15320
*	HFA17446	+2.54	-1.01	+1.10	+1.28	+2.01	-1.35	+1.98	+1.56	60000	152676	59234	65877	76655	58421	37421	71132	40450
	HFA19041	+1.25	+1.00	+1.00	+1.00	-1.14	-1.06	+1.35	+1.00	15520	19469	15520	15520	15520	120715	44294	118502	93860
	HFA20606	+1.53	+1.73	+1.00	+1.43	+1.07	+1.34	+1.59	+1.00	18308	27961	31676	18308	26095	13597	14589	20914	15520
	HFA21110	-1.04	+1.00	+1.00	+1.00	-1.42	+1.38	+2.47	+1.00	16240	15672	16240	16240	16240	19666	24492	29096	18308
*	HFA16835	+1.85	+2.15	+2.29	-1.46	-1.26	-1.53	+1.36	+1.02	4286540	7939939	9207075	9831404	2934645	11458	22454	40158	16240
	HFA07947	-1.05	+1.44	+1.05	+1.00	-1.94	-1.48	-1.36	+1.00	19720	18742	28434	20608	19720	3415478	2803038	5810204	4369049
*	HFA00513	+1.44	+1.08	+1.00	-1.02	-1.60	-2.05	-1.75	-1.13	39360	56534	42398	39360	38517	10166	13333	14497	19720
*	HFA03504	-1.07	-1.74	-3.41	-10.98	+1.00	-5.79	-2.09	-19.54	545834	512437	314551	160136	49728	24562	19177	22516	34733
*	HFA04052	+1.57	+1.16	+1.05	+1.39	+1.83	-1.31	+1.20	+1.22	434600	682312	504751	455686	603114	545834	94218	261382	27933
*	HFA07119	+2.25	-1.05	-1.32	-1.03	-1.18	-1.78	-1.31	-1.20	127816	287583	121868	96924	123676	796480	331201	519909	528724
	HFA07356	-1.53	+1.13	+1.00	+1.00	-1.21	-1.37	-1.09	+1.24	32176	21078	36312	32176	32176	108716	71659	97214	106078
*	HFA08652	+1.96	+10.85	+3.75	+1.00	+2.16	+3.33	+1.79	+2.99	22376	43778	242832	83966	22376	26623	23435	29584	40023
*	HFA10468	+1.12	+1.06	-1.65	-1.88	-2.93	-5.47	-3.04	-2.01	73688	82842	78214	44606	39144	48377	74529	40117	67002
*	HFA12528	+1.13	-1.09	+1.13	-1.01	-1.04	-1.68	-1.13	-1.27	45934	51911	42200	51836	45607	25140	13483	24264	36719
*	HFA16373	+2.25	+1.50	-1.75	-1.52	-2.75	-3.64	-1.74	-1.70	111410	250847	167239	63800	73111	44059	27315	40575	36284
	HFA15364	-1.77	-1.06	-1.20	-1.29	-2.00	-3.25	-2.40	-1.90	31482	17748	29562	26340	24452	40550	30625	64172	65554
*	HFA17746	-1.37	+1.10	+1.50	-2.06	-1.86	-3.11	-5.06	-2.36	56008	40945	61759	83775	27247	15755	9680	13115	16613
*	HFA19464	+1.52	+1.12	+1.25	+1.04	-1.01	-1.49	-1.07	-1.03	101784	154379	114478	127592	105751	30090	18013	11075	23747
	HFA00599	+1.00	+1.04	+1.00	+1.00	-1.34	+1.02	-1.52	+1.00	15112	15112	15646	15112	15112	100548	68246	95537	99070
*	HFA03467	+1.43	+1.06	-1.12	-1.21	-1.77	-2.63	-1.25	-1.77	36986	52874	39225	33071	30520	11309	15411	9969	15112
*	HFA02864	+2.18	+1.12	+1.00	+1.47	+2.37	+1.52	+2.34	+3.20	34564	75397	38695	34564	50799	20918	14057	29664	29187
*	HFA03601	-1.16	-3.58	-3.41	-2.63	-2.45	-4.38	-1.46	-1.61	636614	550145	177712	186784	242338	81753	52465	80849	110768
	HFA04179	+1.69	+1.00	+1.00	+1.00	-1.15	-1.46	+1.24	-1.01	14204	23944	14204	14204	14204	260230	145294	435342	396306
	HFA06814	+1.33	+1.29	+1.00	+1.00	+1.48	+1.06	+1.13	+1.48	17500	23209	22626	17500	17500	12371	9725	17610	14057
	HFA06713	+1.01	+1.19	+1.00	+1.00	-1.04	-1.01	+1.26	+1.06	13402	13543	15895	13402	13402	25922	18474	19850	25953
	HFA07186	-1.08	+1.28	+1.24	+1.31	+1.07	+1.43	+1.19	+1.13	14504	13386	18605	17967	18945	12903	13278	16895	14237
*	HFA08566	+1.29	+1.23	-1.31	-1.43	-1.82	-3.28	-1.65	-2.24	152678	196362	187221	116840	106723	15566	20799	17327	16322
	HFA10261	+1.57	+1.21	+1.00	+1.04	-1.01	-1.30	-1.10	+1.06	20028	31482	24273	20028	20770	83923	46552	92344	68487
	HFA10684	+1.38	+1.21	+1.00	+1.03	-1.15	-1.21	+2.10	+1.66	16880	23238	20406	16880	17344	19796	15391	18252	21252
*	HFA09880	+1.31	+1.31	+1.06	+1.20	+1.83	+1.55	+1.81	+1.63	29826	39150	39114	31727	35706	14721	13920	35516	28083
*	HFA10284	+1.15	+1.17	+1.00	-1.41	+1.47	+2.13	+3.68	+4.18	28880	33242	33672	28880	20431	54685	46108	54100	48491
	HFA12272	-1.00	-1.16	+1.00	+1.03	+1.00	+1.01	+1.01	-1.05	27290	27165	23462	27290	28213	42326	61474	106241	120768
*	HFA16438	+1.00	+1.00	-1.39	+1.00	+1.11	+1.09	+1.48	+1.19	48308	48354	48308	34756	48308	27367	27433	27551	26105
	HFA16583	+1.04	-1.14	+1.02	+1.00	-1.11	+1.13	+1.17	+1.02	19514	20232	17058	19878	19514	53395	52793	71305	57543
*	HFA16616	+1.05	-1.36	-2.89	-1.97	-2.27	-5.84	-2.42	-3.30	184694	193567	135652	63953	96231	17578	21967	22850	19894
	HFA16116	+1.00	+1.00	+1.00	+1.01	+1.35	-1.60	-1.11	+1.00	22080	22080	22080	22080	22299	81340	31615	76208	54910
	HFA15479	+1.33	-1.08	+1.00	-1.00	-1.11	-1.17	+1.25	+1.03	33280	44258	30700	33280	33179	29766	13839	19981	22080
	HFA17215	-1.20	+1.09	+1.00	+1.00	-1.61	-1.70	-1.16	+1.03	26800	22398	29206	26800	26800	30061	28451	41738	34312
*	HFA18812	+1.43	+1.36	+1.42	+1.22	+1.20	+1.28	+1.75	+1.38	46874	66968	63583	66558	57123	16636	15751	23145	27731
	HFA17851	+1.07	+1.00	+1.00	+1.00	+1.00	+1.19	+1.23	+1.00	20960	22401	20960	20960	20960	56125	59780	82074	64460
	HFA19950	+1.15	-1.03	+1.00	+1.19	+1.00	+1.08	+1.20	+2.13	19520	22371	19011	19520	23160	20960	25036	25696	20960
*	HFA19561	+1.15	-1.06	+1.07	-1.32	-1.25	-1.55	+1.10	-1.43	360770	415438	341903	385659	272885	19520	21012	23428	41486
	HFA00082	+1.40	+1.13	+1.00	-1.06	-1.04	+1.10	-1.03	+1.02	15920	22366	17935	15920	14970	288151	232181	397721	252763
	HFA01051	+1.24	+1.24	+1.00	+1.03	+1.44	+1.54	+1.08	+1.16	17920	22205	22204	17920	18438	15329	17519	15402	16230
	HFA01435	+1.22	+1.00	+1.00	+1.00	+1.00	+1.08	+2.04	+1.03	16042	19547	16042	16042	16042	25860	27555	19323	20734
*	HFA01819	+2.83	+4.22	+3.02	+2.71	+3.32	+2.92	+4.77	+5.16	65806	185956	277627	198410	178204	16042	17396	32754	16497
	HFA04752	+1.01	+1.13	+1.00	+1.00	+1.04	+1.06	+1.72	+1.04	12900	13023	14580	12900	12900	218333	192302	313985	339679
	HFA05295	+1.28	+1.01	+1.00	+1.11	+1.03	+1.07	+2.37	+1.11	15920	20439	16112	15920	17664	13378	13716	22193	13366
	HFA05679	+1.08	-1.31	+1.00	+1.00	-1.05	-1.11	+2.02	+1.44	15894	17154	12100	15894	15894	16417	17035	37727	17711
	HFA07911	-1.00	+1.00	+1.00	+1.00	-1.33	-1.38	+1.35	+1.00	16240	16240	16240	16240	16281	15200	14324	32121	22882
	HFA08888	+1.56	+1.00	+1.00	+1.00	+1.00	+1.37	+2.22	+1.00	14340	22343	14340	14340	14340	12246	11774	21973	16240
	HFA09272	+1.00	+1.29	+1.08	+1.00	-1.01	-1.26	+1.93	+1.00	15920	15920	20467	17139	15920	14340	19605	31831	14340
	HFA09656	+1.33	+1.15	+1.00	+1.00	+1.06	-1.15	+1.56	+1.46	27976	37329	32246	27976	27976	15829	12673	30670	15920
*	HFA12116	+3.30	+2.83	+3.33	+1.72	+3.63	+1.56	+2.43	+2.07	49708	163871	140867	165549	85276	29740	24320	43672	40977
*	HFA12916	+1.24	+1.13	+1.56	+1.25	+1.46	+1.11	+2.54	+1.92	51960	64536	58626	80887	65196	180686	77512	120718	103111
*	HFA13300	+1.09	+1.16	+1.05	+1.18	+1.33	+1.44	+2.76	+1.17	21800	23842	25296	22990	25777	76085	57643	131872	99847
	HFA13684	+1.29	+1.07	+1.00	+1.06	-1.04	-1.12	+1.20	+1.00	30380	39182	32653	30380	32150	29071	31438	60172	25409
	HFA14068	-1.53	+1.06	+1.00	+1.00	-1.02	-1.05	+1.67	+1.51	24880	16311	26436	24880	24880	29153	27024	36321	30380
*	HFA17474	-1.04	+1.70	+1.12	+1.00	+2.67	+1.46	+4.73	+1.91	17560	16933	29855	19612	17560	24480	23808	41537	37482
*	HFA19065	+8.37	+4.71	+2.97	-1.19	+1.37	-1.36	+1.28	-1.38	98978	828467	466524	293476	82876	46848	25648	83027	33620
*	HFA20664	+1.42	+1.04	+1.77	+1.66	+1.43	+1.23	+2.25	+1.86	27748	39310	28900	49222	45959	135873	72559	126560	71479
	HFA21139	+1.55	+1.17	+1.00	+1.06	-1.10	-1.07	+1.71	-1.11	27880	43094	32601	27880	29557	39741	34022	62301	51575
*	HFA18030	+1.69	+1.33	+1.14	+1.00	-1.64	-1.39	-1.20	-1.77	36300	61179	48237	41201	36300	25394	26003	47555	25200
	HFA09467	+1.14	+1.67	+1.11	+1.09	+1.00	+1.29	+1.45	+1.02	15920	18186	26543	17737	17429	22196	26187	30250	20489
*	HFA00742	+1.21	+1.04	-1.13	-1.22	-1.54	-3.01	-1.16	-1.42	68178	82558	71128	60306	55857	15920	20466	23053	16317
*	HFA02158	-1.00	-1.07	-3.31	-1.03	-1.96	-5.29	+1.02	-4.81	132324	132324	123512	39998	129056	44169	22640	58886	48094
*	HFA04298	+1.60	-1.66	-2.75	-1.48	-6.39	-6.58	-5.17	-7.53	197470	315910	118712	71785	133728	67472	24999	134930	27527
*	HFA06809	-1.03	-1.12	-1.16	-1.31	-1.56	-1.30	-1.45	-1.73	114050	110219	102212	98121	86780	30915	29992	38180	26227
*	HFA07001	+1.70	+1.05	-1.08	-1.25	-1.55	-1.87	-1.46	-1.45	69946	118872	73229	64482	55930	73287	87522	78920	65760
*	HFA09742	-2.10	-2.73	-5.33	-6.49	-4.90	-13.23	-7.01	-11.53	521880	248300	191122	97951	80426	45203	37441	47865	48347
*	HFA11142	-1.13	-1.44	-2.19	-3.43	-3.49	-4.64	-3.51	-5.76	190248	168077	132229	86988	55433	106413	39436	74492	45266
	HFA16934	+1.33	-1.35	+1.03	-1.14	-1.49	-2.23	-1.28	-1.39	80024	106320	59449	82325	70462	54528	41019	54170	33047
*	HFA15802	+1.35	+1.13	+1.73	+1.63	+2.21	+2.30	+3.26	+3.27	38964	52665	44212	67370	63387	53784	35859	62616	57625
	HFA14418	+1.03	-1.60	-1.81	-1.29	-1.65	-3.03	-2.00	-2.24	43720	44946	27343	24200	33935	86024	89507	127201	127230
*	HFA17769	-1.45	-1.54	-1.95	+1.16	-1.68	-2.22	-2.01	-1.72	142586	98583	92696	73063	166026	26539	14427	21908	19657
*	HFA19567	-1.01	-1.24	-1.78	-1.45	-2.99	-4.26	-1.87	-2.39	103426	102098	83530	58135	71086	84842	64216	70855	83016
*	HFA00516	+1.56	-1.84	-2.78	-1.75	-4.53	-3.52	-1.10	-1.44	95588	148761	49218	34377	54755	34629	24257	55174	43234
*	HFA03228	+1.60	+1.15	+1.55	+1.48	+2.55	+1.25	+2.06	+2.41	38240	61281	43811	59414	56536	21089	27187	87237	66282
*	HFA02165	+1.08	-1.53	-3.05	-3.39	-4.99	-9.31	-6.03	-4.68	657440	708348	430999	215318	193925	97577	47682	78806	92024
*	HFA02306	+2.35	+3.67	+1.74	+1.36	+1.30	+1.25	+1.73	+1.70	31720	74499	116568	55351	43183	131814	70613	109003	140496
*	HFA04581	-1.39	-2.03	-1.44	-1.98	+1.14	+1.21	+1.40	+2.30	105066	75524	51880	72935	52877	41101	39713	54886	53785
	HFA06782	+1.24	+1.09	+1.00	+1.00	-1.16	-1.49	+1.09	-1.02	15120	18803	16497	15120	15120	119750	126818	146759	241646
	HFA07167	+1.26	+1.12	+1.00	+1.00	-1.67	-1.06	-1.22	+1.02	15952	20067	17932	15952	15952	13023	10168	16447	14812
*	HFA06987	+1.14	-1.07	+1.00	+1.03	-1.59	-1.03	+1.64	+5.25	25484	29103	23838	25484	26127	9532	15110	13033	16319
*	HFA08709	+1.57	+1.04	+1.00	+1.51	+1.32	+1.08	+1.53	+1.24	68304	106934	71259	68537	103274	16004	24816	41708	133767
	HFA10577	-1.21	-1.06	+1.00	+1.31	-2.71	+1.04	+1.21	+1.00	15974	13190	15136	15974	20939	90286	73733	104599	84362
	HFA10153	+2.03	+1.34	+1.00	+1.00	+1.00	+1.13	+1.49	+1.18	18452	37443	24676	18452	18452	5903	16671	19405	15974
*	HFA10838	+1.09	+1.10	+1.19	-2.00	-1.30	-2.79	-1.39	-2.32	212476	231963	234554	251856	106461	18452	20830	27527	21771
*	HFA11387	+1.45	+1.23	+1.46	-2.91	+1.09	+1.35	+2.94	+3.34	47320	68843	58222	69290	16248	163246	76064	152401	91436
*	HFA12284	+2.24	+1.62	+4.04	+1.17	+2.55	+2.18	+1.86	+1.02	30130	67609	48805	121640	35292	51569	63872	139338	158069
	HFA14550	+1.00	-1.28	-1.12	+1.00	-3.57	-2.33	-1.79	-1.63	38674	38723	30213	34518	38674	76813	65792	55896	30617
	HFA14964	+1.53	+1.00	+1.00	+1.00	+1.05	+1.25	+1.37	+1.31	28534	43592	28534	28534	28534	10847	16617	21580	23721
*	HFA14769	+1.35	-1.04	+1.17	+1.00	-1.39	+1.67	+2.52	+3.16	16452	22143	15865	19199	16452	30037	35577	39154	37381
	HFA15387	+1.60	+1.73	+1.00	+1.47	-1.17	-1.04	+1.25	+1.00	24082	38454	41782	24082	35473	11856	27432	41421	52036
	HFA15843	+1.72	+1.01	+1.00	+1.00	+1.00	-1.22	-1.04	+1.00	21240	36578	21360	21240	21240	20498	23104	30075	24082
*	HFA18504	+1.58	+1.00	+1.19	+1.07	+1.24	+1.28	+1.69	+2.03	33584	53034	33584	40100	35904	21346	17363	20488	21240
	HFA17886	+2.02	+1.01	+1.06	+1.00	+1.00	+1.26	+1.64	+1.08	21144	42655	21356	22457	21144	41646	42849	56787	68319
	HFA18233	+1.65	+1.31	+1.00	+1.22	-1.44	+1.02	+1.09	+1.00	23072	38117	30192	23072	28100	21144	26550	34680	22884
*	HFA20318	-1.01	+1.11	+1.60	+1.34	-1.21	+1.42	+1.95	+2.25	72056	71661	80082	115327	96706	16023	23436	25064	23072
*	HFA19488	+1.51	-1.11	+1.19	+1.01	-1.59	-2.34	-1.05	+1.22	55252	83323	49592	65918	56033	59405	102062	140610	161907
	HFA00106	+1.57	-1.10	+1.00	+1.05	+1.30	+1.13	+1.19	+1.21	21920	34524	20005	21920	23031	35589	23588	52675	67227
	HFA01075	-1.08	+1.20	+1.00	+1.00	-1.11	-1.42	-1.41	+1.00	26480	24623	31877	26480	26480	28511	24804	26193	26450
*	HFA01459	+1.20	+1.01	+1.00	-1.00	-1.13	-1.14	+2.30	+1.11	22204	26682	22379	22204	22143	23899	18589	18732	26480
	HFA01843	-1.14	+1.08	+1.00	+1.00	-1.10	+1.18	+1.00	+1.00	16600	14510	17860	16600	16600	19694	19447	50967	24704
	HFA04776	-1.25	+1.00	+1.00	+1.38	-1.59	-1.04	-1.03	+1.07	13776	10988	13776	13776	19053	15069	19641	16678	16600
	HFA05319	-1.08	+1.00	+1.00	+1.00	-1.11	-1.00	+2.66	+1.00	16080	14827	16080	16080	16080	8677	13260	13353	14725
	HFA05703	-1.09	-1.02	+1.00	+1.00	-1.43	+1.08	+2.48	+1.00	14540	13396	14298	14540	14540	14472	16045	42748	16080
	HFA07935	-1.28	-1.06	+1.00	+1.00	-1.13	+1.26	+2.25	+1.01	19082	14930	18052	19082	19082	10182	15689	36094	14540
	HFA08912	-1.01	+1.10	+1.00	-1.13	-1.58	-1.41	+1.26	+1.00	15948	15775	17484	15948	14122	16961	23965	42976	19301
	HFA09296	+1.39	+1.00	+1.00	+1.00	+1.38	-1.16	-1.05	+1.00	16960	23540	16960	16960	16960	10084	11292	20167	15948
	HFA11435	+1.16	+1.12	+1.00	+1.00	+1.00	-1.25	-1.21	-1.10	23360	27127	26278	23360	23360	23375	14560	16155	16960
*	HFA12407	+1.81	-1.03	+1.02	+1.23	+1.07	-1.20	+1.93	+1.14	31600	57117	30565	32343	38830	23360	18715	19373	21293
	HFA12940	+1.07	+1.00	+1.00	+1.00	-1.16	+1.40	+1.91	+1.08	16214	17328	16214	16214	16214	33755	26255	61070	35970
*	HFA13324	+1.49	+1.17	+1.08	+1.00	-1.10	-1.04	+2.15	+1.41	28220	41962	32887	30426	28220	14019	22637	30962	17450
*	HFA13710	+1.46	+1.32	+1.11	+1.08	+1.31	+1.19	+2.32	+1.08	22640	33067	29970	25096	24351	25625	27221	60621	39913
*	HFA17103	-1.49	-1.05	+1.03	-1.88	-1.57	-2.06	-1.36	-1.56	356594	238544	338426	367832	189405	29667	26898	52552	24473
	HFA17500	-1.60	+1.00	-1.06	-1.09	-1.10	-1.65	+1.07	+1.01	38844	24310	38949	36593	35716	227600	173473	262889	228211
	HFA19089	+1.29	+1.00	+1.00	+1.00	-1.21	-1.14	+1.61	+1.05	20300	26239	20300	20300	20300	35311	23577	41428	39238
*	HFA20710	+1.01	+1.10	+1.00	-1.03	-1.17	-1.07	+4.39	+2.09	22538	22820	24697	22538	21947	16732	17768	32639	21329
	HFA21171	-1.86	+1.00	+1.00	+1.00	-2.12	-1.27	+1.19	+1.00	20196	10837	20196	20196	20196	19297	21022	98968	47056
*	HFA19937	+1.54	+1.26	+1.08	-1.19	-2.84	+5.43	+1.16	+1.85	115120	177548	145594	124335	96425	9548	15931	24077	20196
*	HFA07192	-1.78	-1.52	-1.99	-3.83	-3.32	-4.25	-3.23	-3.69	472014	264908	311115	236760	123225	40487	625480	133184	213281
	HFA12875	-1.03	+1.10	+1.00	+1.00	-1.46	-1.57	-1.94	+1.00	22800	22225	25076	22800	22800	141975	110954	146239	129472
*	HFA00708	-1.34	-1.15	-1.34	-1.88	-1.51	-2.05	-2.06	-2.30	246498	183724	214108	184515	130891	15622	14481	11747	22800
	HFA03570	+1.31	-1.14	+1.00	+1.00	+1.00	-1.33	+1.93	-1.17	17180	22525	15093	17180	17180	162954	120455	119528	107098
*	HFA04085	-1.23	-2.05	-3.09	-3.04	-3.22	-5.48	-4.18	-3.38	414412	338048	201838	134115	136189	17180	12896	33167	14672
*	HFA06612	-1.40	-1.70	-1.11	-1.28	-2.20	-2.81	-1.37	-1.12	52940	37822	31106	47502	41516	128647	75660	99218	122719
*	HFA06911	+2.44	+1.11	+1.06	+1.03	+1.14	-1.13	+1.78	+2.80	21580	52602	23910	22958	22245	24046	18808	38540	47407
*	HFA09697	-1.10	-1.49	-1.86	-1.68	-1.49	-3.35	-1.57	-1.90	171044	155041	114729	92047	102013	24608	19027	38374	60391
*	HFA10905	+1.81	+1.28	+1.86	+1.35	-1.07	-1.46	+1.16	+1.64	28570	51829	36712	53155	38493	115114	51069	109157	90175
*	HFA14157	-1.02	-1.78	-2.95	-4.28	-4.61	-8.19	-4.11	-5.93	277564	271303	156245	94111	64864	26587	19635	33044	46853
*	HFA15592	+1.35	-1.67	-1.09	-1.28	-1.84	-2.17	-1.32	+1.02	341358	459916	203992	313737	266015	60153	33896	67533	46842
	HFA16266	-1.26	-1.10	-1.04	-1.21	-1.11	-1.04	+1.11	+1.49	30280	24045	27598	29059	24982	185603	157277	257776	346517
	HFA17752	-1.56	+1.47	+1.12	+1.00	-1.12	-1.32	-1.06	+1.12	23602	15121	34754	26549	23602	27166	29133	33595	45196
*	HFA20557	+1.35	-1.68	-1.47	-1.58	-2.02	-2.86	-2.01	-2.44	91044	122479	54170	61845	57513	21127	17903	22262	26394
	HFA00586	+1.31	+1.09	+1.00	+1.19	-1.01	-1.07	+1.61	+1.35	21840	28582	23737	21840	25941	45079	31790	45267	37237
*	HFA02677	+2.14	+1.00	+1.03	-1.09	+1.32	-1.26	+1.31	+1.19	24102	51639	24102	24882	22157	21730	20397	35107	29426

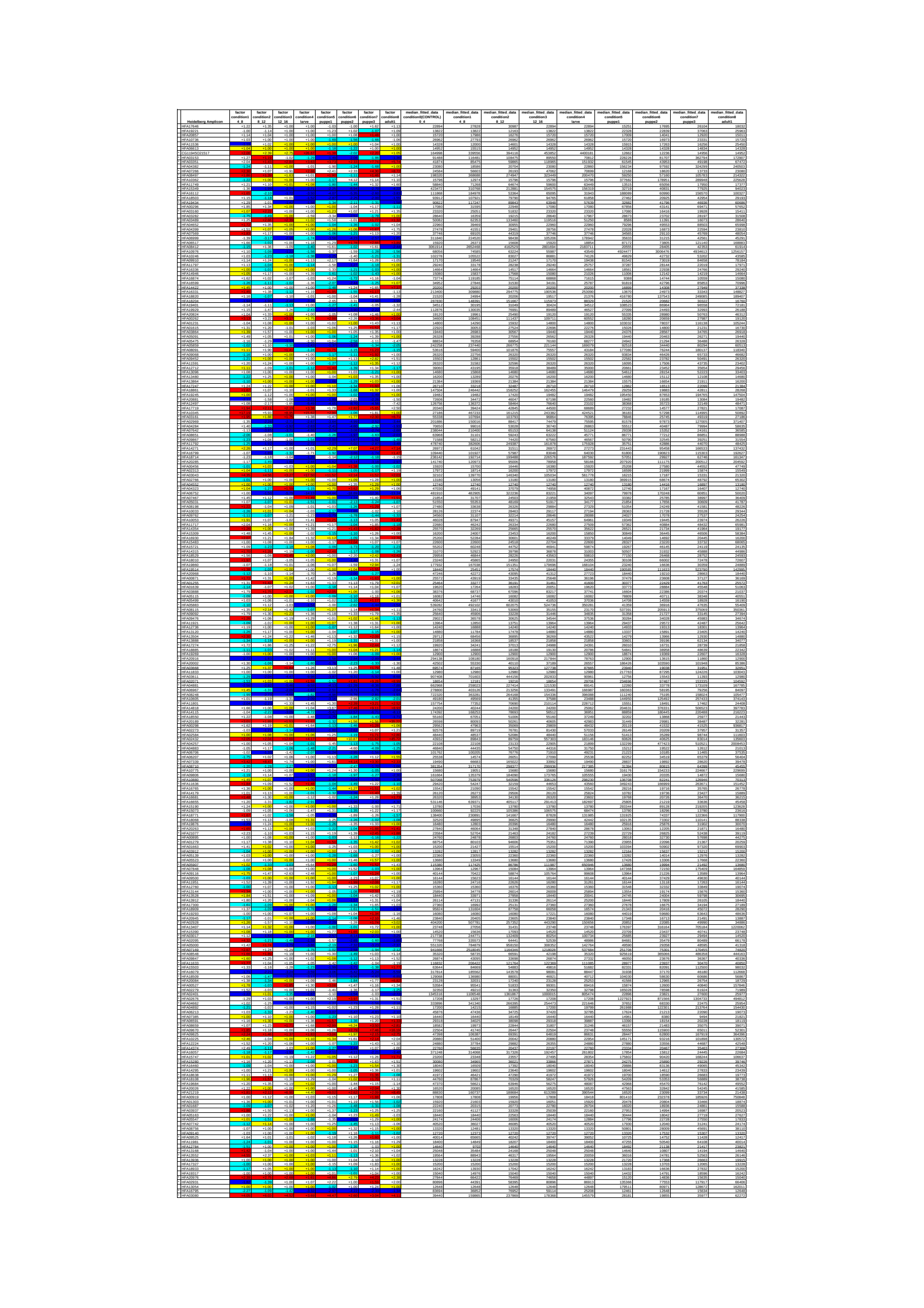












	Heidelberg Amplicon	factor condition1 4_8	factor condition2 8_12	factor condition3 12_16	factor condition4 larve	factor condition5 puppe1	factor condition6 puppe2	factor condition7 puppe3	factor condition8 adult1	median_fitted_data condition0(CONTROL) 0_4	median_fitted_data condition1 4_8	median_fitted_data condition2 8_12	median_fitted_data condition3 12_16	median_fitted_data condition4 larve	median_fitted_data condition5 puppe1	median_fitted_data condition6 puppe2	median_fitted_data condition7 puppe3	median_fitted_data condition8 adult1
*	HFA02045	+1.68	-1.54	-3.06	-3.05	-6.15	-7.03	-4.06	-6.33	403938	677564	262270	132166	132293	176154	102546	120033	162171
*	HFA06186	+1.32	+1.19	+1.16	+1.52	+1.09	-1.59	-1.06	+1.71	39520	52123	47052	45755	60199	65683	57439	99509	63794
*	HFA05926	+1.41	+1.03	+1.00	-1.01	+2.41	-2.23	+2.86	+2.25	31760	44835	32810	31760	31433	42898	24843	37415	67721
*	HFA08573	+1.16	+1.18	+1.29	+1.25	-1.17	-1.91	+1.16	+1.77	67520	78448	79686	86963	84588	76580	14237	90790	71349
*	HFA09755	+1.62	+1.00	+1.22	-1.48	-2.56	-2.57	-1.67	-1.74	55810	90278	55810	68040	37691	57701	35293	78162	119617
*	HFA12329	-1.90	-3.70	-6.33	-6.79	-3.52	-8.04	-6.14	-9.92	840880	443003	227031	132809	123826	21796	21676	33470	32134
*	HFA16780	+1.09	-1.38	+1.01	+1.32	-1.69	+1.07	+2.56	+4.40	777946	849209	563079	784240	1027140	238789	104528	136965	84800
*	HFA16662	+1.95	+1.27	+1.19	+1.99	-1.35	+1.16	+2.52	+1.82	23640	46153	30094	28185	46967	459947	834503	1989452	3420181
	HFA18754	-1.13	-1.31	-1.12	-1.70	-3.63	-4.28	-2.46	-2.40	44152	39123	33581	39529	25997	17565	27325	59455	43103
*	HFA20158	-3.45	-2.66	-2.32	-6.68	-3.85	-3.63	-3.38	-3.20	203508	58958	76612	87533	30445	12170	10310	17968	18391
	HFA00412	+1.11	+1.00	+1.00	+1.06	-1.11	+1.36	-1.07	-1.15	18564	20555	18634	18564	19642	52855	56126	60241	63637
*	HFA02795	+2.31	+1.21	-1.00	+1.20	+1.24	+1.38	+2.64	+1.69	20048	46332	24264	20009	23971	16708	25158	17285	16179
*	HFA02409	+1.69	-1.03	+1.00	+1.00	+5.23	+4.49	+8.04	+20.40	19962	33825	19470	19962	19962	24927	27694	52850	33900
*	HFA01867	+1.56	+1.08	+1.00	+1.00	-1.17	+1.64	+5.98	+5.14	27778	43436	29981	27778	27778	104436	89656	160512	407242
*	HFA04641	-1.13	-1.05	-1.05	-1.50	-1.61	-1.31	+1.03	+1.14	53474	47299	50820	51079	35765	23715	45678	166220	142655
	HFA04903	-1.04	+1.04	+1.00	+1.00	-1.49	+1.27	-1.01	+1.00	16248	15565	16866	16248	16248	33119	40965	54885	61145
	HFA07024	-1.19	-1.05	+1.00	+1.00	-1.82	-1.34	-1.05	+1.10	18600	15670	17676	18600	18600	10917	20560	16137	16248
*	HFA07085	+5.54	+3.17	+3.43	+6.86	+1.96	+4.21	+2.84	+2.09	21438	118775	67964	73569	147094	10213	13929	17657	20439
	HFA06034	+1.48	+1.41	+1.00	+1.00	-1.02	+1.15	+1.79	+1.85	22080	32690	31126	22080	22080	41940	90351	60883	44837
	HFA08455	+1.01	+1.28	+1.15	+1.13	+1.01	+1.05	+1.34	-1.09	25480	25846	32500	29266	28690	21654	25368	39427	40769
	HFA09984	+1.18	+1.01	+1.00	+1.00	-1.32	-1.12	+1.12	+1.33	17042	20184	17204	17042	17042	25746	26718	34261	23436
*	HFA09695	+1.01	-1.04	+1.00	+1.00	+1.60	+1.98	+2.97	+3.59	31008	31344	29865	31008	31008	12913	15167	19112	22586
	HFA10799	+1.30	-1.11	-1.20	+1.06	+1.12	+1.07	+1.60	-1.01	35632	46324	32041	29774	37881	49608	61405	92020	111428
*	HFA12187	+1.32	-1.09	-1.07	+1.09	+1.86	-1.53	+1.08	-1.10	95020	125225	87353	88687	103264	39988	38043	57158	35198
*	HFA16414	+1.28	-1.03	-1.32	-1.67	-1.93	-3.43	-1.35	-1.51	52168	66586	50527	39504	31294	176509	62300	102825	86100
	HFA14331	+1.10	+1.00	+1.00	+1.00	-1.88	-1.05	-1.16	-1.57	22042	24196	22042	22042	22042	27005	15189	38515	34496
	HFA15896	+2.00	-1.05	+1.00	+1.00	-1.26	-1.16	-1.10	+1.05	21320	42645	20381	21320	21356	11729	20982	18922	14040
*	HFA15790	+1.53	-1.09	+1.00	+1.57	-1.01	+1.04	+1.91	+1.22	29260	44764	26958	29260	45842	16866	18391	19402	22386
	HFA14887	+1.32	+1.22	+1.07	+1.05	-1.11	-1.22	-1.02	-1.16	55754	73599	68086	59751	58663	29093	30505	56007	35820
	HFA15091	+1.19	+1.04	+1.00	+1.00	+1.00	-1.42	-1.11	+1.11	16040	19060	16650	16040	16040	50224	45770	54816	48109
	HFA17757	+1.21	-1.06	-1.19	+1.00	-1.31	-1.40	+1.75	+1.04	22800	27532	21539	19087	22800	16040	11303	14508	17733
*	HFA18694	+1.99	-1.03	+1.00	+1.00	-1.16	+1.35	+2.12	+2.22	24248	48270	23483	24248	24248	17363	16241	39948	23717
*	HFA19501	+2.25	+1.15	+1.00	+1.19	+1.95	+1.22	+2.81	+2.44	18826	42368	21666	18826	22384	20852	32637	51391	53846
*	HFA19973	-1.10	-2.12	-3.53	-3.53	-2.41	-5.09	-2.70	-4.70	473016	430378	223625	134131	133951	36647	22977	52835	45941
*	HFA21264	+2.41	-1.57	-2.95	-8.43	-11.73	-12.07	-2.86	-5.56	2694560	6505358	1711618	912715	319742	196352	92921	175048	100608
	HFA00943	+1.14	+1.00	+1.00	+1.00	-1.12	-1.07	-1.25	+1.00	17112	19540	17112	17112	17112	229722	223210	941143	484221
*	HFA01327	+2.88	+4.67	+4.01	+3.26	+11.26	+3.37	+5.25	+4.25	77380	222856	361602	310375	252484	15233	15971	13744	17112
	HFA01715	+1.00	+1.12	+1.00	+1.00	-1.40	+1.06	+1.11	+1.00	16000	16000	17978	16000	16000	871180	260523	406597	328578
	HFA03960	-1.00	-1.05	+1.03	-1.08	+1.00	-1.11	-1.00	-1.04	23760	23643	22593	24355	22037	11457	16978	17740	16055
	HFA05187	+1.42	-1.05	+1.00	+1.02	-1.56	+1.17	+1.53	+1.16	19758	27976	18799	19758	20206	23879	21431	23676	22947
	HFA05571	+1.00	+1.00	+1.01	+1.00	+1.00	+1.06	+1.01	+1.00	13580	13580	13580	13770	13580	12697	23048	30302	22918
	HFA07776	+1.85	+1.32	+1.00	+1.01	-1.11	+1.03	+2.03	+1.06	22240	41204	29352	22240	22381	13580	14439	13712	13580
	HFA08780	-1.00	+1.00	+1.00	+1.00	+1.00	-1.45	-1.03	+1.00	15172	15172	15172	15172	15172	19972	22979	45100	23578
	HFA09164	+1.28	-1.04	+1.00	+1.30	-1.20	-1.35	-1.21	-1.05	26320	33620	25207	26320	34282	15172	10484	14705	15172
	HFA09548	-1.00	+1.07	+1.00	+1.00	+1.00	+1.06	+1.95	+1.00	15200	15200	16222	15200	15200	21893	19503	21772	25124
	HFA12008	-1.09	+1.00	+1.00	+1.00	-1.21	-1.11	-1.12	+1.00	17240	15775	17240	17240	17240	15200	16066	29661	15200
	HFA12808	-1.07	+1.00	+1.00	+1.00	-1.13	-1.02	+1.14	+1.00	14268	13394	14268	14268	14268	14266	15470	15451	17240
	HFA13192	+1.22	+1.20	-1.00	+1.05	-1.09	-1.11	+1.48	+1.18	23120	28237	27647	23087	24227	12578	13959	16326	14268
	HFA13576	+1.44	+1.00	+1.00	+1.00	-1.07	-1.26	+1.31	+1.00	17840	25622	17840	17840	17840	21132	20743	34277	27174
	HFA13960	+1.15	+1.00	+1.00	+1.00	-1.12	+1.00	-1.01	+1.10	15640	18026	15640	15640	15640	16652	14211	23404	17840
*	HFA17354	+5.11	+2.89	+2.43	+1.76	+2.91	+1.97	+3.79	+3.37	58710	299739	169414	142746	103065	14002	15640	15419	17256
	HFA18957	-1.03	+1.20	+1.00	+1.00	-1.19	-1.31	+1.46	+1.23	22760	22201	27297	22760	22760	170869	115688	222729	197829
	HFA20404	-1.00	+1.03	+1.00	+1.00	+1.13	+1.02	-1.33	+1.00	16628	16628	17073	16628	16628	19053	17365	33307	27972
*	HFA21004	+1.21	+1.00	+1.00	+1.00	+1.04	+1.03	+2.98	+1.00	16796	20299	16796	16796	16796	18754	16966	12457	16628
	HFA07704	-1.05	+1.56	+1.40	-1.04	-1.54	-1.12	+1.15	-1.03	28676	27429	44700	40053	27558	17530	17372	50036	16796
*	HFA17435	+1.53	+1.22	+1.08	-1.28	-1.09	-1.42	-1.13	-1.39	50264	76819	61469	54034	39178	18584	25570	32934	27919
*	HFA18715	+1.15	+1.85	+1.43	+41.73	+73.81	+1.20	+5.84	-1.04	25816	29681	47768	36851	1077285	46109	35425	44590	36223
*	HFA02072	+3.96	+2.12	+1.40	+1.00	+1.56	-1.17	-1.35	-1.14	43796	173622	93015	61436	43796	1905453	31094	150726	24813
*	HFA02706	+1.26	-1.25	-1.62	-1.76	-2.15	-1.96	-2.00	-2.19	150066	189019	120034	92533	85353	68349	37284	32499	38500
*	HFA06823	+1.25	-1.00	-1.06	-1.50	-1.84	-2.35	-1.95	-1.37	40840	50937	40798	38607	27311	69729	76553	74878	68421
*	HFA06086	+1.26	-1.41	-1.31	-3.86	-3.31	-7.11	-4.26	-5.86	595080	751204	421888	455360	154272	22168	17362	20944	29825
*	HFA08553	+1.09	-1.58	-1.88	-1.29	-1.91	-2.66	-1.40	-1.15	106786	116600	67792	56806	82462	179778	83738	139839	101549
*	HFA09788	+1.16	-1.12	-1.13	-1.72	-1.76	-1.87	-2.06	-1.75	51396	59647	45854	45436	29952	55838	40080	76115	92920
*	HFA12310	+1.22	+1.03	-1.41	-1.24	+1.49	-1.91	-1.08	-2.24	1017334	1237576	1052643	721099	817763	29138	27446	24899	29395
	HFA15793	+1.57	+1.04	+1.10	+1.29	+1.25	-1.08	+1.65	+1.77	26702	41964	27688	29435	34392	1516934	532678	937966	455148
*	HFA14410	-1.81	-4.70	-5.92	-6.98	-4.95	-11.28	-6.91	-6.46	549692	302959	116894	92845	78720	33299	24653	44116	47132
*	HFA18559	-1.61	-1.47	-1.64	-1.95	-1.96	-2.31	-2.47	-1.90	66504	41289	45135	40515	34081	110952	48738	79576	85127
*	HFA19901	-1.39	-1.61	-2.41	-2.66	-2.46	-6.00	-2.49	-5.78	361912	259666	224461	149919	135905	33905	28820	26944	34954
	HFA00567	+1.19	+1.09	+1.01	+1.06	+1.03	+1.11	+1.14	-1.10	20734	24617	22650	20951	22021	147149	60338	145619	62611
*	HFA03452	+1.30	+1.09	+1.23	+2.06	+1.68	+3.33	+3.67	+3.17	15880	20624	17295	19507	32668	21419	22942	23674	18911
*	HFA02416	+1.58	-1.12	+1.62	+1.00	+1.50	+1.63	+5.39	+31.06	19680	31158	17588	31934	19680	26708	52903	58297	50354
*	HFA02027	+3.00	+4.57	+20.55	+3.12	+4.95	+4.57	+3.32	+2.43	47586	142756	217536	977942	148538	29544	32002	106029	611299
*	HFA04099	-10.01	-9.67	-6.28	-9.94	-11.03	-9.36	-10.82	-9.90	184576	18436	19092	29392	18571	235318	217617	158168	115495
	HFA05014	+1.47	+1.00	+1.01	+1.00	+1.03	+1.25	+1.64	+1.84	18574	27275	18574	18676	18574	16734	19720	17051	18647
	HFA07336	-1.34	+1.00	+1.00	+1.00	+1.00	+1.00	-1.20	+1.33	12900	9595	12900	12900	12900	19060	23147	30410	34143
	HFA06267	+2.00	+1.37	+1.34	+1.18	+1.40	+1.03	+1.43	-1.01	20400	40821	27897	27385	24027	12900	12900	10745	17147
	HFA06390	-1.05	+1.00	+1.00	+1.00	-1.30	+1.05	+1.35	+2.12	15734	14942	15734	15734	15734	28646	21014	29220	20101
*	HFA08467	+2.31	+2.24	+9.17	+2.11	+12.05	+1.89	+1.60	-1.30	24344	56130	54578	223172	51319	12136	16531	21241	33414
*	HFA10424	-3.51	-4.27	-1.42	-2.64	-3.99	-2.99	-2.37	-2.07	69158	19699	16197	48772	26224	293397	46088	38909	18731
	HFA10270	+1.41	+1.23	+1.00	-1.03	-1.20	-1.14	-1.25	-1.29	21960	31008	27023	21960	21423	17314	23103	29129	33459
	HFA10391	+1.13	+1.04	-1.01	+1.24	+1.28	-1.16	-1.06	+1.11	13508	15330	14005	13365	16756	18225	19326	17510	16963
	HFA12215	+1.11	-1.04	+1.00	-1.17	+1.00	+1.31	+2.11	+1.36	20002	22288	19161	20002	17061	17296	11693	12717	15023
*	HFA16420	+1.06	-1.11	+1.34	+1.16	-1.28	-1.52	+1.44	+1.30	53720	56823	48474	71939	62092	20069	26187	42192	27186
	HFA14845	+1.75	-1.08	+1.03	-1.17	-1.01	+1.05	+1.16	-1.01	23160	40423	21535	23930	19857	41974	35246	77323	70019
	HFA14802	+1.24	-1.01	+1.00	+1.00	-1.08	+1.07	+1.07	+1.26	25784	31929	25455	25784	25784	22968	24265	26761	23003
*	HFA15778	+2.19	+1.01	-1.09	+1.33	+1.37	-1.29	+1.76	+1.56	104794	229166	106366	96315	139821	23957	27708	27691	32411
	HFA15801	-1.03	-1.06	-1.13	+1.00	-1.08	-1.39	-1.79	-1.75	27088	26196	25530	23903	27088	143639	81475	184135	163893
*	HFA15104	-1.21	+1.15	-1.04	-1.23	+1.05	-2.36	-1.55	-1.94	438464	361479	504946	423448	357114	25036	19538	15166	15500
	HFA17893	+1.16	+1.00	+1.00	+1.00	-1.13	+1.28	+1.40	+1.00	14840	17201	14840	14840	14840	462456	185897	283579	225853
	HFA18039	+1.00	+1.09	+1.00	+1.08	+1.00	-1.14	+1.07	+1.12	16616	16645	18082	16616	17987	13085	19053	20779	14840
*	HFA20335	+1.34	-1.32	-1.09	-1.07	-2.55	-3.65	-2.52	-1.85	54080	72199	40830	49583	50472	16616	14615	17718	18589
*	HFA19617	-1.00	-1.42	-1.39	-2.21	-1.56	-2.17	-1.03	-1.91	769004	767240	543272	553547	347223	21237	14812	21475	29225
*	HFA21299	+4.09	+1.72	+2.12	+1.62	+2.18	+1.51	+2.92	+1.65	104004	425304	179395	220300	168450	493625	354544	749558	401837
*	HFA00967	+1.00	+1.21	+1.00	+1.00	+4.88	+4.65	+4.97	+2.79	15240	15240	18490	15240	15240	226636	157340	303815	171560
	HFA01351	+1.05	+1.07	+1.00	+1.03	+1.00	-1.02	+1.96	+1.00	15920	16672	17046	15920	16380	74324	70917	75692	42538
	HFA01735	+1.36	+1.04	+1.00	+1.00	+1.00	+1.23	-1.01	-1.04	12960	17578	13459	12960	12960	15920	15550	31150	15920
	HFA03984	-1.12	+1.00	+1.00	+1.00	+1.00	-1.19	-1.14	-1.04	13360	11916	13360	13360	13360	12960	15920	12777	12450
	HFA05211	-1.08	+1.35	+1.00	+1.00	+1.39	+1.54	+1.38	+1.01	12900	11944	17406	12900	12900	13360	11197	11717	12795
	HFA05595	-1.20	+1.01	+1.00	+1.00	+1.05	-1.06	+1.06	-1.01	18280	15223	18426	18280	18280	17940	19904	17782	13073
*	HFA07804	+1.80	+2.49	+2.49	+1.59	+2.36	+2.67	+3.64	+3.34	23322	41945	58147	57959	37018	19125	17265	19460	18091
	HFA08804	+1.02	+1.10	+1.00	+1.00	+1.00	-1.44	+1.04	+1.00	15920	16203	17469	15920	15920	55073	62322	84943	77889
	HFA09188	+1.00	+1.12	+1.00	+1.00	-1.15	+1.00	-1.00	+1.00	12522	12522	14051	12522	12522	15920	11042	16488	15920
	HFA09572	+1.06	+1.00	+1.00	+1.00	-1.06	+1.09	+1.11	+1.00	12900	13617	12900	12900	12900	10904	12522	12522	12522
	HFA12032	-1.04	+1.12	+1.01	+1.00	+1.64	+1.76	+1.76	+1.11	15564	15019	17439	15779	15564	12204	14038	14271	12900
	HFA12832	-1.25	+1.00	+1.00	+1.00	-1.13	+1.10	-1.24	+1.00	28404	22805	28404	28404	28404	25533	27453	27378	17278
	HFA13216	-1.07	-1.55	-1.32	-1.40	-2.05	-3.02	-1.44	-2.61	46232	43249	29909	35120	33083	25178	31293	22899	28404
	HFA13600	+1.27	+1.07	+1.33	+1.00	+1.00	-1.09	+1.90	+1.35	25898	32913	27652	34473	25898	22533	15321	32135	17681
	HFA13984	-1.20	+1.00	+1.00	+1.00	+1.00	+1.00	-1.10	+1.00	12600	10533	12600	12600	12600	25898	23736	49180	34944
*	HFA17380	+1.58	+1.18	+1.00	+1.00	+1.00	-1.07	+1.32	+1.12	51340	80917	60337	51340	51340	12600	12600	11494	12600
	HFA18981	-1.28	+1.00	+1.00	+1.00	-1.08	+1.14	+1.69	+1.00	16360	12755	16360	16360	16360	51340	48051	67662	57331
	HFA20428	-1.12	+1.00	+1.00	+1.00	+1.29	+1.15	-1.03	+1.00	12760	11430	12760	12760	12760	15179	18580	27703	16360
	HFA21032	+1.22	+1.08	+1.00	+1.00	+1.00	-1.08	+1.74	+1.00	16482	20104	17797	16482	16482	16482	14611	12362	12760
*	HFA11002	-1.12	+1.51	+1.15	-1.62	-1.61	-2.11	-2.07	-1.66	157204	140778	238158	180660	96953	16482	15236	28678	16482
*	HFA20981	+1.29	-1.15	+1.00	+1.00	+1.60	-1.12	+1.91	+1.21	28734	36940	24952	28734	28780	97730	74421	75973	94746
	HFA19558	+1.40	+1.00	+1.00	+1.00	-1.09	-1.28	-1.56	+1.00	17080	23937	17080	17080	17080	45967	25732	54784	34777
															15713	13305	10920	17080