AUC and Budget-Normalized Metrics by Operator Mode and Run
(Per-Genome Metrics Enable Fair Comparison Across Different Budgets)

erator Mode	Total Genome	Min	Max	Avg	AUC	AUC/G	AvgGain/Gen	Max/Genome	AUC/Genome	AvgGain/Genom
IE - Run 1	140	0.0120	0.3881	0.0465	12.5684	0.2514	0.0525	0.002772	0.089774	0.000375
IE - Run 2	124	0.0063	0.2111	0.0440	10.5349	0.2107	0.0118	0.001702	0.084959	0.000095
IE - Run 3	169	0.0120	0.3687	0.0525	14.1541	0.2831	0.0842	0.002182	0.083752	0.000498
IE - Run 4	151	0.0096	0.2610	0.0479	11.1658	0.2233	0.0244	0.001728	0.073946	0.000162
IE - Run 5	109	0.0063	0.2097	0.0381	10.3932	0.2079	0.0090	0.001924	0.095350	0.000082
IE - Run 6	104	0.0063	0.1989	0.0382	9.9450	0.1989	0.0000	0.001912	0.095625	0.000000
IE - Run 7	177	0.0096	0.3196	0.0551	13.6613	0.2732	0.0743	0.001806	0.077183	0.000420
IE - Run 8	172	0.0120	0.3746	0.0568	15.3667	0.3073	0.1084	0.002178	0.089342	0.000630
IE - Run 9	162	0.0120	0.3902	0.0562	15.4014	0.3080	0.1091	0.002409	0.095070	0.000674
IE - Run 10	113	0.0063	0.2024	0.0407	10.0728	0.2015	0.0026	0.001791	0.089139	0.000023
IE - Aggregate	**1421**	**0.0063**	**0.3902**	**0.0476**	**12.3264**	**0.2465**	**0.0476**	**0.002040**	**0.087414**	**0.000296**
OPS - Run 1	1009	0.0246	0.8205	0.1406	36.2677	0.7254	0.4708	0.000813	0.035944	0.000467
OPS - Run 2	902	0.0178	0.5922	0.0996	22.6453	0.4529	0.2952	0.000657	0.025106	0.000327
OPS - Run 3	984	0.0114	0.3775	0.0483	16.1314	0.3226	0.1644	0.000384	0.016394	0.000167
OPS - Run 4	927	0.0128	0.4257	0.0752	20.3909	0.4078	0.2427	0.000459	0.021997	0.000262
OPS - Run 5	912	0.0151	0.5025	0.0706	19.4779	0.3896	0.1907	0.000551	0.021357	0.000209
OPS - Run 6	995	0.0109	0.3610	0.0683	16.8491	0.3370	0.1676	0.000363	0.016934	0.000168
OPS - Run 7	945	0.0117	0.3758	0.0532	14.9911	0.2998	0.1347	0.000398	0.015864	0.000143
OPS - Run 8	895	0.0261	0.8697	0.1414	36.0637	0.7213	0.5562	0.000972	0.040295	0.000621
OPS - Run 9	919	0.0143	0.4747	0.0672	18.4164	0.3683	0.1989	0.000517	0.020040	0.000216
OPS - Run 10	1004	0.0144	0.4789	0.0691	21.0594	0.4212	0.2518	0.000477	0.020976	0.000251
OPS - Aggregate	**9492**	**0.0109**	**0.8697**	**0.0834**	**22.2293**	**0.4446**	**0.2673**	**0.000559**	**0.023490**	**0.000283**
COMB - Run 1	1063	0.0129	0.4269	0.0895	19.8151	0.3963	0.1417	0.000402	0.018641	0.000133
COMB - Run 2	1092	0.0141	0.4712	0.0843	21.3271	0.4265	0.2683	0.000432	0.019530	0.000246
COMB - Run 3	1084	0.0120	0.3992	0.0757	17.6303	0.3526	0.1949	0.000368	0.016264	0.000180
COMB - Run 4	1160	0.0120	0.4015	0.0746	19.7143	0.3943	0.2361	0.000346	0.016995	0.000204
COMB - Run 5	1019	0.0120	0.3972	0.0679	17.2391	0.3448	0.1754	0.000390	0.016918	0.000172
COMB - Run 6	1096	0.0128	0.4269	0.0807	18.8226	0.3765	0.2322	0.000390	0.017174	0.000212
COMB - Run 7	886	0.0177	0.5885	0.0630	17.1753	0.3435	0.1784	0.000664	0.019385	0.000201
COMB - Run 8	960	0.0138	0.4576	0.0794	19.2473	0.3849	0.2155	0.000477	0.020049	0.000225
COMB - Run 9	1021	0.0181	0.6025	0.0673	24.4520	0.4890	0.3239	0.000590	0.023949	0.000317
COMB - Run 10	1014	0.0181	0.6025	0.0727	18.2145	0.3643	0.1992	0.000594	0.017963	0.000196
COMB - Aggregate	**10395**	**0.0120**	**0.6025**	**0.0755**	**19.3638**	**0.3873**	**0.2166**	**0.000465**	**0.018687**	**0.000209**