

Table 1: **Biologically Conserved Position Variant Comparisons.** Characteristics of variant calls for biologically conserved positions for different datasets.

Org	Plat	Lab	Rep	POS	DP	QUAL	FS
Ecoli	454	LGC	1	396	2545	70	
Ecoli	454	LGC	3	417	1032	38	
Lmono	Sanger	LGC	1	390	81	26	
Lmono	454	LGC	1	533	1762	176	
Lmono	454	LGC	1	537	1762	100	
Lmono	454	LGC	1	538	1622	163	
Lmono	454	LGC	1	548	1762	221	
Lmono	454	LGC	1	549	1762	189	
Lmono	454	LGC	1	550	1762	218	
Lmono	454	LGC	1	555	1763	222	
Lmono	454	LGC	1	559	1762	222	
Lmono	454	LGC	1	574	1764	189	
Lmono	454	LGC	1	585	1736	222	
Lmono	454	LGC	1	587	1740	209	
Lmono	454	LGC	1	595	1740	222	
Lmono	454	LGC	1	677	4535	222	
Lmono	454	LGC	1	700	4614	222	
Lmono	454	LGC	1	703	4614	222	
Lmono	454	LGC	1	712	4612	222	
Lmono	454	LGC	1	716	4612	222	
Lmono	454	LGC	1	729	4400	222	
Lmono	454	LGC	1	731	4377	112	
Lmono	454	LGC	1	733	4401	222	
Lmono	454	LGC	1	738	4384	222	
Lmono	454	LGC	1	740	4390	222	
Lmono	454	LGC	1	741	4394	222	
Lmono	454	LGC	1	742	4400	222	
Lmono	454	LGC	1	743	4400	222	
Lmono	454	LGC	1	753	4613	222	
Lmono	454	LGC	1	757	4613	222	
Lmono	454	LGC	1	1047	8006	225	
Lmono	454	LGC	1	1055	8011	225	
Lmono	454	LGC	1	1072	8022	225	
Lmono	454	LGC	1	1077	7975	215	
Lmono	454	LGC	1	1192	8008	225	
Lmono	454	LGC	1	1201	8006	206	
Lmono	454	LGC	1	1208	8009	134	
Lmono	454	LGC	1	1213	8010	223	
Lmono	454	LGC	1	1304	7998	187	
Lmono	454	LGC	1	1307	7999	225	
Lmono	454	LGC	1	1318	8002	225	

Lmono	454	LGC	1	1321	8002	219
Lmono	454	LGC	1	1329	8005	225
Lmono	454	LGC	1	1356	8010	225
Lmono	Sanger	LGC	1	1409	44	14