

Phyla without vendor × strain interactions at 3.5 weeks			Main Effects - Vendor (Jax relative to HSD)						Main Effects - Strain			A/J relative to BALB/c			C57BL/6 relative to A/J			C57BL/6 relative to BALB/c		
Phylum			logFC	AveExpr	t	P.Value	adj.P.Val	B	F	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val
Actinobacteria			-0.12098	4.072324	-0.18661	0.852772	0.852772	-6.57223	2.752666	0.07412	0.444722	-0.82841	0.116497	0.450108	2.173125	2.11E-05	0.000127	1.344712	0.011646	0.069876
Bacteroidetes			-0.52225	14.85796	-1.15037	0.255852	0.511703	-5.97738	0.887856	0.418372	0.998528	-0.27687	0.450108	0.450108	0.090781	0.773842	0.84045	-0.18609	0.611056	0.785559
Cyanobacteria			-0.41212	3.587458	-0.61543	0.541263	0.649516	-6.41005	0.120892	0.886406	0.998528	0.569389	0.31465	0.450108	-0.44169	0.421362	0.84045	0.127697	0.833767	0.833767
Firmicutes			-0.29815	16.13947	-0.68943	0.493963	0.649516	-6.39494	0.074317	0.928487	0.998528	-0.27312	0.436325	0.450108	0.116533	0.699972	0.84045	-0.15658	0.654632	0.785559
Tenericutes			1.361922	9.04063	2.34328	0.023428	0.070284	-4.02872	0.001473	0.998528	0.998528	0.349172	0.448944	0.450108	-1.10096	0.007548	0.022643	-0.75179	0.106554	0.319662
TM7			-2.48252	2.401074	-3.51868	0.000979	0.005874	-0.98322	0.16926	0.844805	0.998528	-0.68753	0.219351	0.450108	0.101043	0.84045	0.84045	-0.58649	0.284373	0.568745

OTUs without vendor × strain interactions at 3.5 weeks			Main Effects - Vendor (Jax relative to HSD)						Main Effects - Strain			A/J relative to BALB/c			C57BL/6 relative to A/J			C57BL/6 relative to BALB/c		
Phylum	Family	Operational taxonomic unit (OTU)	logFC	AveExpr	t	P.Value	adj.P.Val	B	F	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val	logFC	P.Value	adj.P.Val
No BLAST hit		No BLAST hit	-1.64009	1.594889	-1.91699	0.062467	0.098162	-4.23344	7.751032	0.001442	0.012685	-0.77052	0.219696	0.634229	0.52583	0.355407	0.600857	-0.24469	0.707226	0.946865
Actinobacteria	Coriobacteriaceae	Adlercreutzia sp.	0.586012	3.129167	0.789551	0.434487	0.525521	-5.97365	0.708507	0.498507	0.722658	0.808598	0.154437	0.554552	-0.89308	0.082587	0.302817	-0.08448	0.882306	0.946865
Bacteroidetes	[Odoribacteraceae]	Odoribacter sp.	-5.92579	3.879872	-3.41168	0.001499	0.00347	-1.23138	0.20838	0.812782	0.927796	-0.63208	0.617155	0.805315	0.164443	0.893705	0.893705	-0.46763	0.738023	0.946865
Bacteroidetes	Bacteroidaceae	Bacteroides acidifaciens	-7.92188	0.839285	-9.04394	3.50E-11	7.71E-10	15.16478	1.786562	0.180762	0.361523	-0.45623	0.42518	0.805315	0.386035	0.459283	0.661466	-0.0702	0.906549	0.949718
Bacteroidetes	Bacteroidaceae	Bacteroides ovatus	-4.79265	3.81991	-5.61742	1.67E-06	1.47E-05	4.931255	8.506237	0.000844	0.012375	-1.19906	0.020464	0.261201	-0.52228	0.309037	0.570608	-1.72134	0.004665	0.051311
Bacteroidetes	Bacteroidaceae	Bacteroides uniformis	-4.90963	3.444278	-3.91537	0.000346	0.001088	0.177294	0.532411	0.591327	0.765247	-0.58985	0.439705	0.805315	-0.41524	0.566652	0.692574	-1.00509	0.224513	0.757549
Bacteroidetes	Bacteroidaceae	Bacteroides sp.	-7.76009	6.441957	-10.237	1.09E-12	4.78E-11	18.30429	0.113104	0.893345	0.942794	0.330794	0.51522	0.805315	-0.7316	0.131974	0.446682	-0.40081	0.465837	0.854035
Bacteroidetes	Porphyromonadaceae	Parabacteroides distasonis	-6.18166	4.136032	-5.03371	1.09E-05	5.97E-05	3.31329	5.540816	0.007552	0.03323	0.153118	0.846037	0.900486	0.868729	0.233433	0.553009	0.1021847	0.21744	0.757549
Bacteroidetes	Porphyromonadaceae	Parabacteroides sp.	-3.8426	2.793971	-2.7885	0.00815	0.017929	-2.59775	1.190994	0.826893	0.927796	0.255265	0.725402	0.870654	-0.41396	0.548583	0.692574	-0.15869	0.839811	0.946865
Bacteroidetes	Prevotellaceae	Prevotella sp.	-4.67126	3.918466	-5.91691	6.38E-07	7.02E-06	5.912902	6.114045	0.004849	0.025147	-0.98824	0.06498	0.345834	0.32244	0.517019	0.689358	-0.6658	0.241038	0.757549
Bacteroidetes	Rikenellaceae	AF12 sp.	-5.43277	4.011584	-5.32056	4.34E-06	2.73E-05	4.171968	3.116626	0.055322	0.128115	-0.79337	0.278208	0.720069	-0.70697	0.322487	0.570608	-1.50034	0.06745	0.370974
Bacteroidetes	Rikenellaceae	family Rikenellaceae , unidentified species	2.151736	10.84666	1.004783	0.321096	0.415535	-5.8424	0.64083	0.532225	0.722658	-1.72442	0.241069	0.634229	-1.39775	0.268689	0.570608	-3.12218	0.035239	0.258419
Cyanobacteria		order Streptophyta , unidentified species	-1.87075	2.82565	-2.0952	0.042589	0.069405	-0.03345	7.084221	0.002342	0.015611	-0.92802	0.070739	0.345834	-1.36488	0.008532	0.062569	-2.2929	0.000203	0.00892
Cyanobacteria		order YS2 , unidentified species	-2.89275	1.82488	-2.09685	0.042434	0.069405	-8.38695	4.633452	0.015549	0.054876	-1.37824	0.114957	0.459826	0.80026	0.307617	0.570608	-0.57798	0.520177	0.8803
Firmicutes	[Mogibacteriaceae]	family [Mogibacteriaceae] , unidentified species	3.909356	5.39149	4.938844	1.47E-05	7.15E-05	3.027059	0.622064	0.541993	0.722658	0.150016	0.771716	0.870654	-0.60429	0.204444	0.553009	-0.45427	0.404193	0.822992
Firmicutes	Christensenellaceae	family Christensenellaceae , unidentified species	-4.17007	1.684894	-3.48872	0.001204	0.002943	-0.91534	0.635703	0.534876	0.722658	0.560764	0.496558	0.805315	-0.30377	0.676918	0.726449	0.256993	0.760432	0.946865
Firmicutes	Clostridiaceae	Candidatus Arthromitus	-5.41621	3.341778	-7.47198	4.40E-09	6.45E-08	10.1647	4.425457	0.018417	0.054876	-0.82545	0.08273	0.364012	0.432223	0.306455	0.570608	-0.39322	0.411496	0.822992
Firmicutes	Clostridiaceae	Clostridium sp.	6.285013	3.531087	4.836592	2.03E-05	8.11E-05	2.743045	0.937226	0.026748	0.06923	-0.54363	0.517	0.805315	1.390944	0.059801	0.29236	0.847314	0.305254	0.769782
Firmicutes	Clostridiaceae	family Clostridiaceae , unidentified species	2.748873	4.125705	2.426348	0.019896	0.038062	-3.462	9.870261	0.000332	0.007308	-0.20593	0.004173	0.091803	2.051067	0.00159	0.017493	-0.00796	0.99103	0.99103
Firmicutes		order Clostridiales , unidentified species	0.918824	14.60765	1.435445	0.159005	0.225684	-5.34024	0.082066	0.921367	0.942794	0.240219	0.570095	0.805315	-0.45759	0.238799	0.553009	-0.21737	0.624129	0.946865
Firmicutes	Dehalobacteriaceae	Dehalobacterium sp.	-0.51987	5.767456	-0.717	0.47758	0.552987	-0.08384	0.102159	0.903123	0.942794	-0.13856	0.770683	0.870654	-0.15791	0.715851	0.749939	-0.29648	0.552909	0.890491
Firmicutes	Erysipelotrichaceae	Coprocalillus sp.	1.123162	2.324698	1.224383	0.228035	0.313548	-5.7795	1.821255	0.175104	0.361523	0.793837	0.230629	0.634229	-0.35102	0.551585	0.692574	0.442822	0.515428	0.8803
Firmicutes	Erysipelotrichaceae	family Erysipelotrichaceae , unidentified species	2.689451	0.695033	3.752933	0.00056	0.001643	-0.37959	1.909016	0.161607	0.355536	-0.08176	0.863614	0.900486	-1.55269	0.000752	0.013934	-1.63444	0.001872	0.027457
Firmicutes	Lachnospiraceae	Anaerostipes sp.	3.972292	6.517977	2.274632	0.028414	0.052093	-3.8991	0.044799	0.956238	0.956238	-0.9321	0.415074	0.805315	0.988132	0.324209	0.570608	0.056033	0.961466	0.983826
Firmicutes	Lachnospiraceae	Blautia sp.	-0.48128	2.151563	-0.38812	0.700007	0.770008	-6.08174	4.715891	0.014545	0.054876	1.279628	0.163845	0.554552	-1.50303	0.078359	0.302817	-0.2234	0.816756	0.946865
Firmicutes	Lachnospiraceae	Coproccoccus sp.	2.058689	7.450378	2.444518	0.019049	0.038062	-3.5781	0.238697	0.788778	0.927796	0.288562	0.599514	0.805315	-1.14636	0.026341	0.144875	-0.8578	0.141461	0.691586
Firmicutes	Lachnospiraceae	Dorea sp.	-0.11312	3.766836	-0.12388	0.902033	0.902033	-6.29312	0.201795	0.818097	0.927796	1.433616	0.023746	0.261201	-0.75397	0.20468	0.553009	0.679649	0.314911	0.769782
Firmicutes	Lachnospiraceae	Roseburia sp.	-2.4188	0.741497	-1.76561	0.085163	0.129212	-4.46206	3.670497	0.034476	0.084274	2.086474	0.044399	0.325589	-1.26248	0.171792	0.539919	0.823995	0.434412	0.83105
Firmicutes	Lachnospiraceae	Ruminococcus gnavus	0.884545	7.583041	1.049219	0.300433	0.400577	-5.79826	4.406305	0.018708	0.054876	0.56721	0.304812	0.745096	-1.77379	0.00095	0.013934	-1.20658	0.041305	0.25963
Firmicutes	Lachnospiraceae	family Lachnospiraceae , unidentified species	1.614003	12.11702	2.122948	0.040054	0.069405	-4.22015	1.154585	0.32556	0.530543	-0.07505	0.880021	0.900486	-1.32024	0.00554	0.048751	-1.3953	0.102623	0.090317
Firmicutes	Peptococcaceae	family Peptococcaceae , unidentified species	-4.05961	1.632833	-4.41995	7.46E-05	0.000274	1.538151	0.750694	0.47863	0.722658	0.369021	0.531749	0.805315	-0.26413	0.624909	0.707985	0.104891	0.864374	0.946865
Firmicutes	Ruminococcaceae	Anaerotruncus sp.	-0.35288	0.605095	-0.50854	0.613895	0.6926	-5.88874	8.096679	0.001126	0.012387	2.160099	0.0013	0.057207	-0.2085	0.000923	0.013934	0.131601	0.840884	0.946865
Firmicutes	Ruminococcaceae	Oscillospira sp.	0.597043	11.79442	0.776752	0.441916	0.525521	-6.04012	0.170986	0.843451	0.927796	-0.3413	0.498157	0.805315	-0.38199	0.406629	0.638989	-0.72329	0.174947	0.736356
Firmicutes	Ruminococcaceae	Ruminococcus sp.	0.828589	9.776695	0.823007	0.415428	0.522252	-6.00395	1.161327	0.323493	0.530543	-0.61012	0.352311	0.805315	-0.30921	0.604041	0.707985	-0.91933	0.184089	0.736356
Firmicutes	Ruminococcaceae	family Ruminococcaceae , unidentified species	1.03595	11.40883	1.685086	0.09983	0.146418	-4.97636	0.258917	0.773182	0.927796	-0.19	0.640592	0.805315	-0.27738	0.455951	0.661466	-0.46739	0.276592	0.769782
Proteobacteria	Alcaligenaceae	Sutterella sp.	-4.76145	3.724457	-5.40729	3.29E-06	2.41E-05	4.384576	6.037082	0.005144	0.025147	-0.14185	0.821856	0.900486	0.399403	0.496993	0.683366	0.257554	0.698802	0.946865
Proteobacteria	Desulfobivirionaceae	Bilophila sp.	-5.01071	3.004966	-4.90658	1.62E-05	7.15E-05	2.934928	1.700108	0.195712	0.374406	0.224942	0.744822	0.870654	0.443624	0.466033	0.661466	0.668566	0.340779	0.789172
Proteobacteria	Desulfobivirionaceae	Desulfobivirio C21_c20	-0.14262	1.158877	-0.133	0.894863	0.902033	-5.93876	13.44816	3.48E-05	0.001533	-1.5745	0.041	0.325589	1.689745	0.013245	0.083257	0.115242	0.878289	0.946865