

Table 4. Relative abundance of amplicon sequence variants belonging to the persistent groups in relative KEGG Level 2 of xenobiotic/drug metabolism identified among the eleven oral samples of wild *Melanophryniscus admirabilis* (admirable red-belly toads).

Prediction of Xenobiotic/Drug Metabolism	TAO1 I	TA02 II	TA04 IV	TA05 VII	TA07 X	TA10 XI	TA12 XII	AC421	AC422	AC423	Average	Standard Deviation
Aminobenzoate degradation	26,543	10,601	8,973	26,842	23,135	5,909	13,470	15,5851	5,663	28,225	25,530	30,067
Atrazine degradation	6,248	1,281	1,407	4,193	4,974	1,302	1,833	28,134	1,349	5,711	4,908	5,576
Benzoate degradation	46,840	23,216	16,979	52,638	45,425	9,234	22,936	271,823	10,172	51,881	48,206	54,486
Bisphenol degradation	4,201	1,449	1,135	4,777	3,102	997	2,455	27,209	1,233	4,321	4,594	5,043
Chloroalkane and chloroalkene degradation	20,729	9,522	8,404	26,265	20,413	5,494	10,887	122,095	4,809	22,317	25,829	25,160
Chlorocyclohexane and chlorobenzene degradation	5,751	2,678	2,078	7,032	6,080	866	2,713	29,006	1,290	5,908	8,003	6,491
Dioxin degradation	6,884	2,122	1,581	4,850	7,302	1,185	2,664	35,636	1,286	5,038	6,767	6,847
Drug metabolism by cytochrome P450	19,450	7,983	5,708	21,104	20,457	2,723	6,953	89,812	4,201	18,265	22,496	19,923
Ethylbenzene degradation	7,032	4,031	3,129	11,442	10,435	1,173	3,504	46,942	1,724	10,134	7,355	9,718
Fluorobenzoate degradation	5,822	2,617	1,864	5,199	6,489	818	2,541	25,821	1,188	4,651	7,490	5,864
Metabolism of xenobiotics by cytochrome P450	19,169	7,941	5,700	20,973	20,166	2,679	6,909	89,420	4,156	18,137	22,424	19,789
Naphthalene degradation	14,895	5,927	4,433	16,761	18,166	2,920	6,575	75,681	3,354	13,992	20,872	16,689
Nitrotoluene degradation	11,702	4,368	5,387	10,417	10,158	2,000	4,523	64,578	3,016	11,073	11,362	12,598
Polycyclic aromatic hydrocarbon degradation	2,991	549	223	1,301	2,102	415	1,306	10,820	687	1,940	2,851	2,290
Toluene degradation	33,755	18,146	14,374	37,192	39,358	6,942	14,039	167,743	6,884	35,684	32,328	36,950
Xylene degradation	4,036	948	484	1,664	4,612	649	1,774	22,998	723	2,819	4,018	4,066

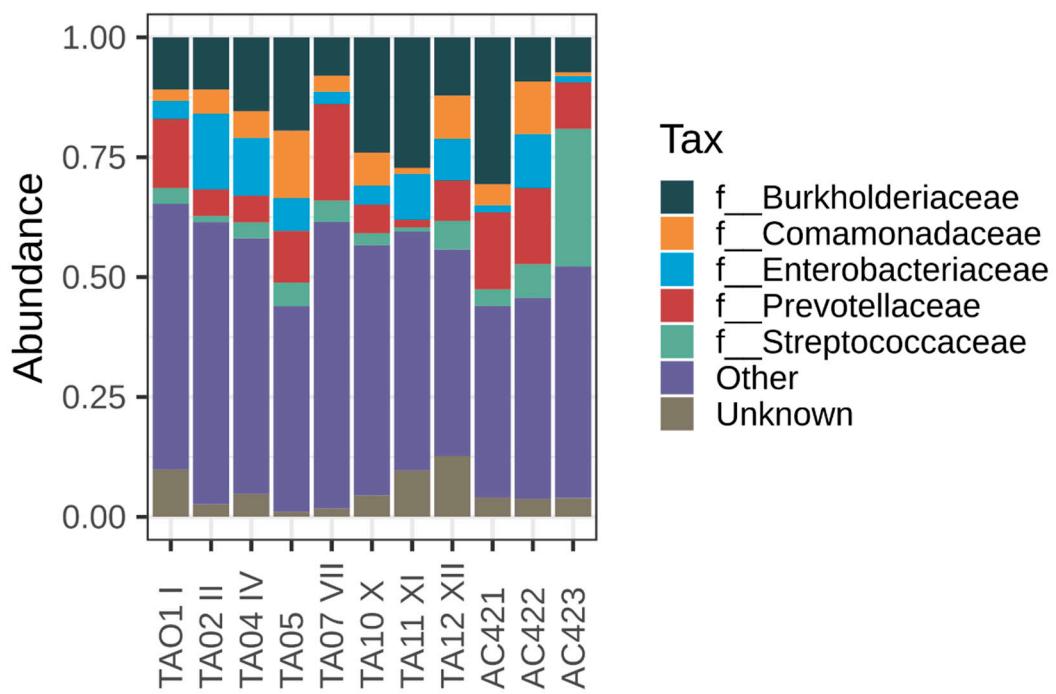


Figure 1. Five most abundant families presented in the eleven oral samples of wild *Melanophrynniscus admirabilis* (admirable red-belly toads). Taxonomic composition of the oral microbiota among the eleven samples was compared based on threlative abundance (reads of a taxon/total reads in a sample).

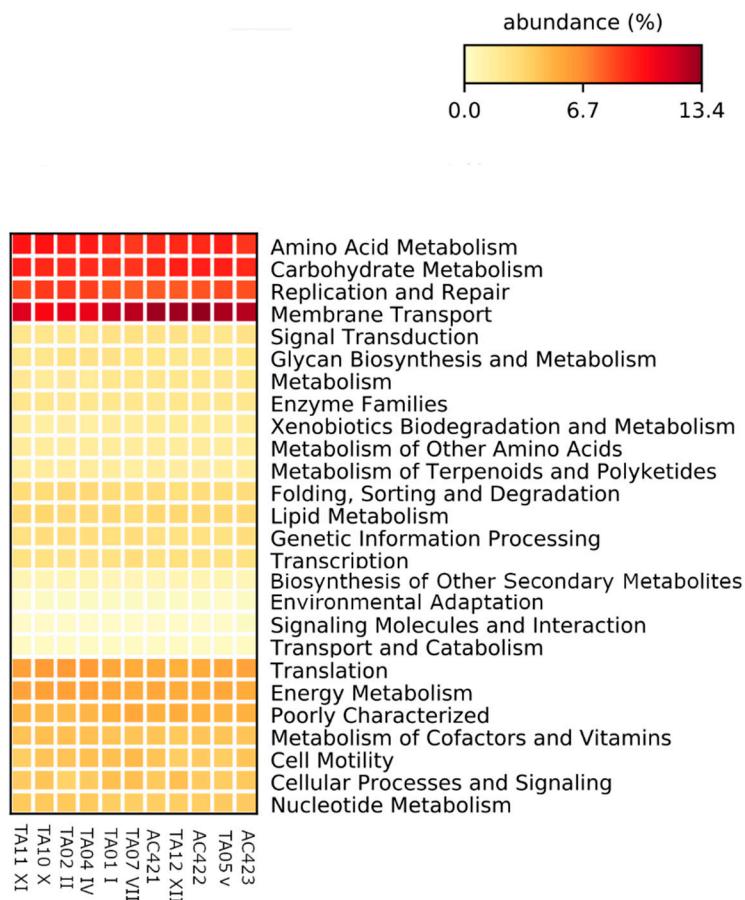


Figure 2. Heatmap of the significant predicted KEGG pathways from the oral bacterial community of the eleven wild *Melanophryniscus admirabilis* (admirable red-belly toads).