

Supplementary Table S2. Summary of homologous gene identified for 29 *Aeromonas* strains by OrthoMCL.

Strain	Total gene families	Total gene counts	Core families	Core gene counts	Accessory families	Accessory gene counts	Unique families	Unique gene counts
Total	10,144	113,003	1,645	48,085	4,825	61,132	3,674	3,786
<i>A. hydrophila</i> ATCC 7966	4,072	4,119	1,645	1,658	2,345	2,378	82	83
<i>A. media</i> WS	3,718	3,833	1,645	1,659	1,924	2,008	149	166
<i>A. dhakensis</i> AAK1	4,075	4,124	1,645	1,658	2,353	2,388	77	78
<i>A. molluscorum</i> 848	3,511	3,552	1,645	1,659	1,757	1,783	109	110
<i>A. finlandiensis</i> 4287D	3,981	4,025	1,645	1,660	2,216	2,244	120	121
<i>A. lacus</i> AE122	3,807	3,838	1,645	1,657	2,079	2,098	83	83
<i>A. allosaccharophila</i> CECT 4199	3,951	4,035	1,645	1,660	2,127	2,186	179	189
<i>A. australiensis</i> CECT 8023	3,543	3,572	1,645	1,655	1,775	1,793	123	124
<i>A. bestiarum</i> CECT 4227	3,984	4,023	1,645	1,657	2,260	2,286	79	80
<i>A. bivalvium</i> CECT 7113	3,654	3,694	1,645	1,657	1,932	1,959	77	78
<i>A. caviae</i> CECT 838	3,820	3,857	1,645	1,659	2,099	2,122	76	76
<i>A. diversa</i> CECT 4254	3,549	3,590	1,645	1,657	1,784	1,809	120	124
<i>A. encheleia</i> CECT 4342	3,873	3,913	1,645	1,661	2,142	2,165	86	87
<i>A. enteropelogenes</i> CECT 4487	3,858	3,895	1,645	1,658	2,084	2,107	129	130
<i>A. eucrenophila</i> CECT 4224	3,897	3,934	1,645	1,657	2,152	2,177	100	100
<i>A. fluvialis</i> LMG 24681	3,376	3,415	1,645	1,654	1,575	1,603	156	158
<i>A. jandaei</i> CECT 4228	3,902	3,948	1,645	1,658	2,176	2,209	81	81
<i>A. piscicola</i> LMG 24783	4,342	4,508	1,645	1,660	2,488	2,624	209	224
<i>A. popoffii</i> CIP 105493	3,962	4,071	1,645	1,657	2,080	2,173	237	241
<i>A. rivuli</i> DSM 22539	3,938	4,006	1,645	1,659	2,026	2,062	267	285
<i>A. sanarellii</i> LMG 24682	3,606	3,633	1,645	1,657	1,911	1,925	50	51
<i>A. simiae</i> CIP 107798	3,452	3,518	1,645	1,657	1,596	1,638	211	223
<i>A. sobria</i> CECT 4245	3,965	4,057	1,645	1,658	2,166	2,241	154	158
<i>A. taiwanensis</i> LMG 24683	3,650	3,684	1,645	1,661	1,932	1,950	73	73
<i>A. tecta</i> CECT 7082	4,082	4,121	1,645	1,659	2,326	2,351	111	111
<i>A. veronii</i> CECT 4257	3,906	3,955	1,645	1,663	2,184	2,215	77	77
<i>A. schubertii</i> strain WL1483	3,736	3,813	1,645	1,652	1,918	1,982	173	179
<i>A. salmonicida</i> ATCC 33658	3,996	4,061	1,645	1,657	2,177	2,222	174	182
<i>A. aquatica</i> MX16A	4,154	4,209	1,645	1,661	2,397	2,434	112	114