

**Table S12.** Tree-way ANOVA of the effect of Yap/Taz inhibitors on the expression level of antimicrobial genes *AttA*, *DptA*, *CecAI* and Wnt-related gene *dpp*.

Substance	Sex	Source of variation	SS	DF	MS	F	p
VP	♂	Gene	1291.149	3	430.383	716.05	0.0000
		Concentration	5.029	2	2.515	4.18	0.0167
		Age	24.789	1	24.789	41.24	0.0000
		Gene × Concentration	13.927	6	2.321	3.86	0.0012
		Gene × Age	54.670	3	18.223	30.32	0.0000
		Concentration × Age	8.950	2	4.475	7.45	0.0008
		Gene × Concentration × Age	7.031	6	1.172	1.95	0.0749
		Error	113.599	189	0.601		
ML7	♂	Gene	998.631	3	332.877	102.524	0.0000
		Concentration	25.997	2	12.998	4.003	0.0198
		Age	28.596	1	28.596	8.807	0.0034
		Gene × Concentration	15.396	6	2.566	0.790	0.5786
		Gene × Age	66.178	3	22.059	6.794	0.0002
		Concentration × Age	10.629	2	5.315	1.637	0.1974
		Gene × Concentration × Age	22.044	6	3.674	1.132	0.3456
		Error	603.911	186	3.247		
CD	♂	Gene	2378.750	3	792.917	360.705	0.0000
		Concentration	31.259	2	15.629	7.110	0.0010
		Age	141.140	1	141.140	64.206	0.0000
		Gene × Concentration	81.183	6	13.530	6.155	0.0000
		Gene × Age	142.516	3	47.505	21.611	0.0000
		Concentration × Age	17.526	2	8.763	3.986	0.0201
		Gene × Concentration × Age	15.475	6	2.579	1.173	0.3222
		Error	422.062	192	2.198		
AI	♂	Gene	3646.858	3	1215.619	384.355	0.0000
		Concentration	0.415	2	0.208	0.066	0.9365
		Age	90.876	1	90.876	28.733	0.0000
		Gene × Concentration	18.633	6	3.105	0.982	0.4388
		Gene × Age	116.488	3	38.829	12.277	0.0000
		Concentration × Age	66.143	2	33.072	10.457	0.0000
		Gene × Concentration × Age	27.352	6	4.559	1.441	0.2008
		Error	597.761	189	3.163		
VP	♀	Gene	42.53	3	14.18	31.40	0.0000
		Concentration	3.72	2	1.86	4.12	0.0176
		Age	352.97	1	352.97	781.86	0.0000
		Gene × Concentration	21.60	6	3.60	7.97	0.0000
		Gene × Age	46.96	3	15.65	34.68	0.0000
		Concentration × Age	4.95	2	2.48	5.49	0.0048
		Gene × Concentration × Age	3.04	6	0.51	1.12	0.3501
		Error	85.32	189	0.45		
ML7	♀	Gene	322.204	3	107.401	324.95	0.0000
		Concentration	15.619	2	7.809	23.63	0.0000
		Age	39.907	1	39.907	120.74	0.0000
		Gene × Concentration	4.940	6	0.823	2.49	0.0242
		Gene × Age	3.454	3	1.151	3.48	0.0170
		Concentration × Age	17.291	2	8.645	26.16	0.0000
		Gene × Concentration × Age	5.955	6	0.993	3.00	0.0080
		Error	62.137	188	0.331		
CD	♀	Gene	11.73	3	3.91	3.28	0.0221
		Concentration	4.10	2	2.05	1.72	0.1820
		Age	198.98	1	198.98	166.83	0.0000
		Gene × Concentration	31.12	6	5.19	4.35	0.0004
		Gene × Age	162.44	3	54.15	45.40	0.0000
		Concentration × Age	17.51	2	8.75	7.34	0.0008

AI	♀	Gene × Concentration × Age	42.87	6	7.14	5.99	0.0000
		Error	229.00	192	1.19		
		Gene	711.50	3	237.17	218.81	0.0000
		Concentration	28.23	2	14.11	13.02	0.0000
		Age	235.89	1	235.89	217.64	0.0000
		Gene × Concentration	35.99	6	6.00	5.53	0.0000
		Gene × Age	194.96	3	64.99	59.96	0.0000
		Concentration × Age	22.82	2	11.41	10.53	0.0000
		Gene × Concentration × Age	14.84	6	2.47	2.28	0.0376
		Error	207.02	191	1.08		

VP – Verteporfin; ML7 – ML-7 hydrochloride; CD – Cytochalasin D; AI – AICAR; ♂ – male; ♀ – female; SS – sum-of-squares; DF – degrees of freedom; MS – mean squares. Results of F-tests: F – F-value and p – p-value.