

**Additional file 3:** Number of 5S and 18S rRNA gene copies retrieved from the *Oreochromis niloticus* genome database at the BouillaBase (<http://cichlid.umd.edu/cichlidlabs/kocherlab/bouillabase.html>).

<b>Scaffold</b>	<b>Number of 5S rRNA gene copies</b>	<b>Scaffold</b>	<b>Number of 18S rRNA gene copies</b>
Scaffold_0	1	Scaffold_1	2
Scaffold_3	1	Scaffold_6	1
Scaffold_4	1	Scaffold_8	1
Scaffold_6	3	Scaffold_13	4
Scaffold_7	2	Scaffold_19	3
Scaffold_9	1	Scaffold_38	1
Scaffold_14	1	Scaffold_40	1
Scaffold_22	1	Scaffold_44	1
Scaffold_26	1	Scaffold_58	1
Scaffold_54	1	Scaffold_61	1
Scaffold_55	2	Scaffold_86	1
Scaffold_66	1	Scaffold_104	1
Scaffold_69	1	Scaffold_114	1
Scaffold_83	1	Scaffold_118	1
Scaffold_90	1	Scaffold_136	1
Scaffold_101	1	Scaffold_143	1
Scaffold_116	1	Scaffold_169	1
Scaffold_117	1	Scaffold_173	1
Scaffold_148	1	Scaffold_181	1
Scaffold_164	4	Scaffold_182	1
Scaffold_191	9	Scaffold_185	1
Scaffold_219	1	Scaffold_197	1
Scaffold_237	1	Scaffold_201	1
Scaffold_253	1	Scaffold_214	1
Scaffold_261	1	Scaffold_245	1
Scaffold_263	1	Scaffold_250	1
Scaffold_286	1	Scaffold_515	1
Scaffold_328	1	Scaffold_516	2
Scaffold_397	1	Scaffold_834	1
Scaffold_408	1	Scaffold_1005	1
Scaffold_512	1	Scaffold_1544	1
Scaffold_536	1	<b>total</b>	<b>38</b>
Scaffold_624	1		
Scaffold_677	2		
Scaffold_688	1		
Scaffold_768	3		
Scaffold_791	1		
Scaffold_813	2		
Scaffold_1031	1		
Scaffold_1299	1		
Scaffold_1430	1		
Scaffold_1626	1		
<b>total</b>	<b>59</b>		