

Additional File 1: Comparison of the number of functional CYP genes in different genomes.

<u>Species</u>	<u>No. of genes^a</u>
<i>Daphnia pulex</i> (waterflea)	75 ^b
<i>Homo sapiens</i> (human)	57
<i>Mus musculus</i> (mouse)	102
<i>Strongylocentrotus purpuratus</i> (sea urchin)	120
<i>Apis mellifera</i> (honeybee)	46
<i>Drosophila melanogaster</i> (fruitfly)	83
<i>Fugu rupripes</i> (pufferfish)	54
<i>Anopholes gambiae</i> (mosquito)	106
<u><i>Bombyx mori</i> (silkmoth)</u>	<u>81</u>

^aBased on estimates as of November 2007.

^b*Daphnia pulex* has an additional three pseudogenes.