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Author	Marina Ezcurra	
Title (English)	Expression analysis of putative regulators of nicotinic acetylcholine receptors in <i>Caenorhabditis elegans</i>	
Title (Swedish)		
Abstract	<p>Tobacco use is the major cause of death worldwide, largely due to the highly addictive nature of nicotine. Nicotine causes compulsive use of the drug by binding and activating nicotinic acetylcholine receptors (nAChRs) in the brain. <i>Caenorhabditis elegans</i> is a well suited system to identify molecules which modify nAChR function, abundance, or subcellular localization. We have recently preformed an RNAi screen of the entire <i>C. elegans</i> chromosome I, and identified 47 candidate genes which might effect nAChRs. In this study we report the expression patterns of some of the candidate genes by using the reporter GFP. This will be of great value understand the function of the genes and their roles in nicotine resistance.</p>	
Keywords	Nicotinic acetylcholine receptors, RNAi, nicotine addiction, nicotine resistance, cholinergic signaling, <i>C. elegans</i>	
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