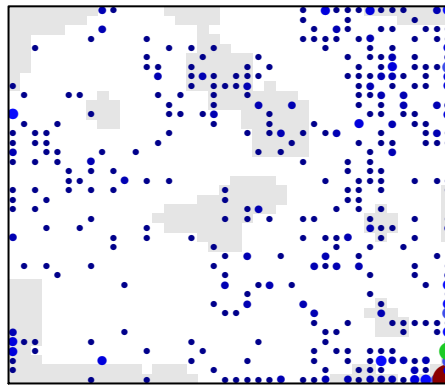
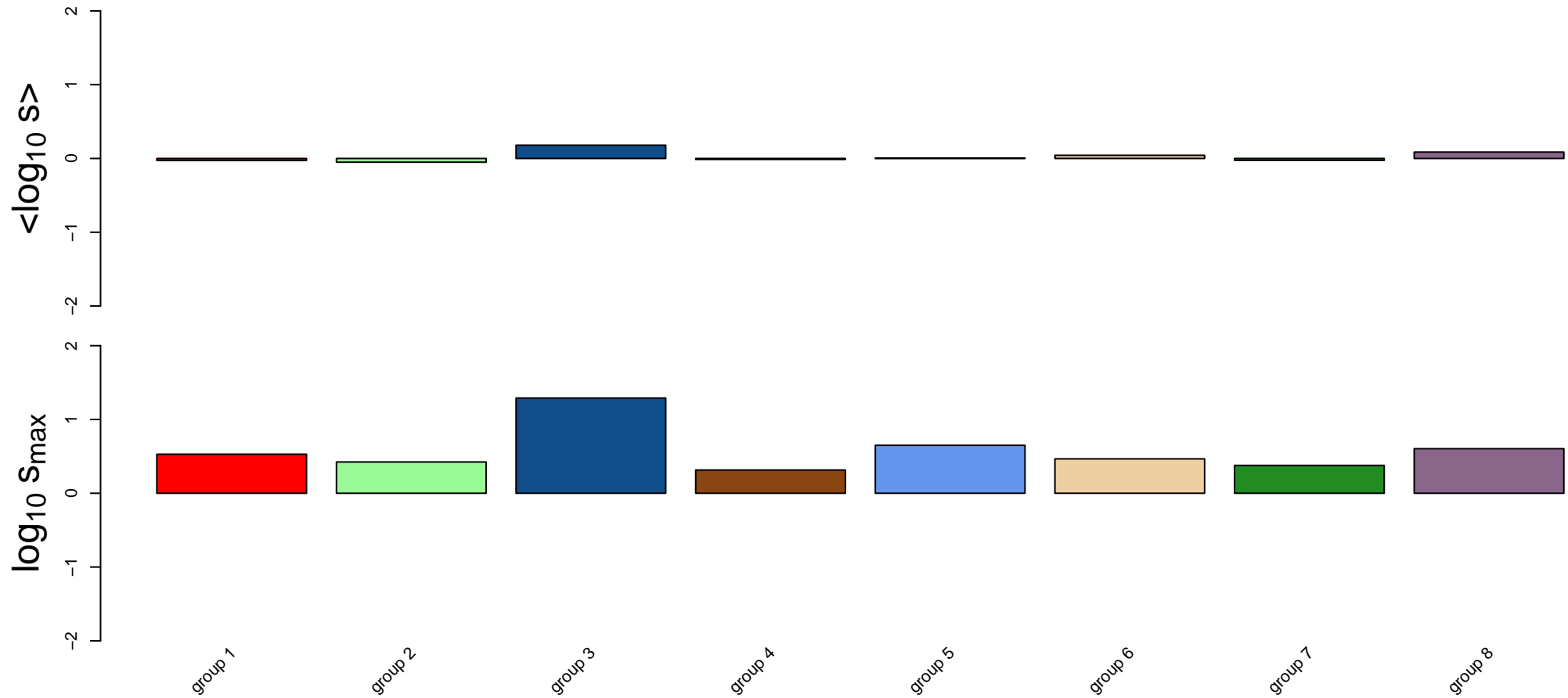
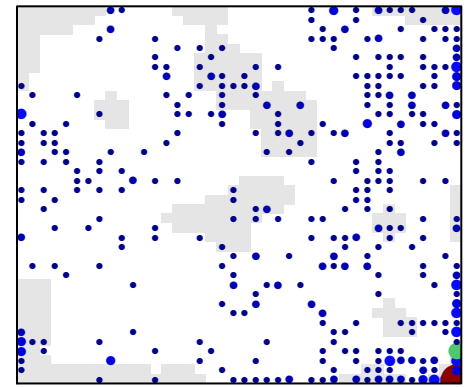


Neuroactive ligand-receptor interact

all genes

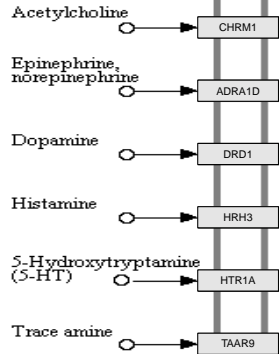


sink node genes

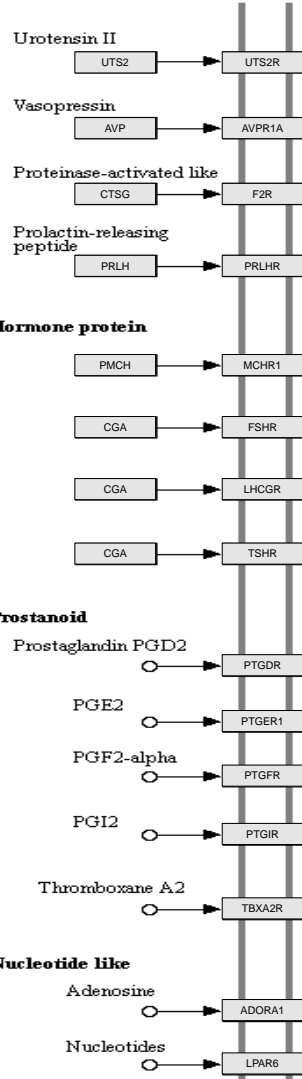
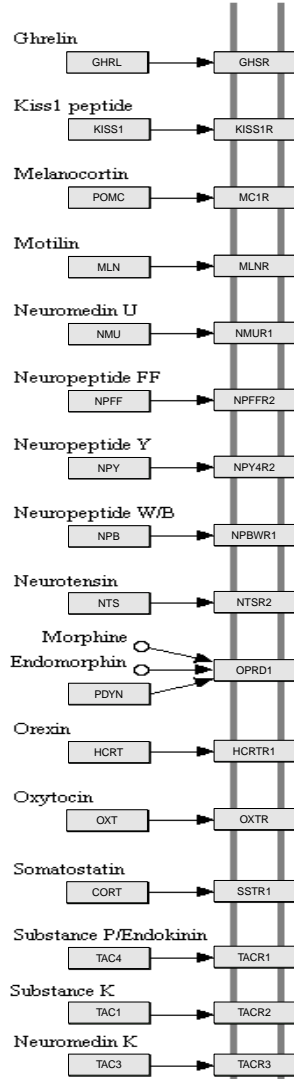
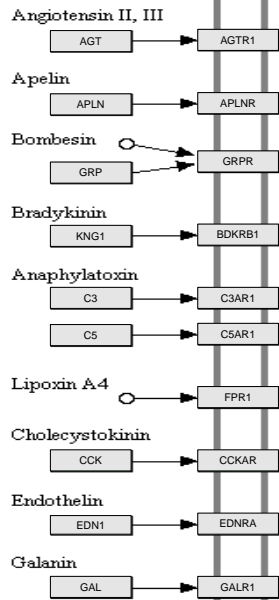


GPCRs

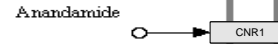
**Class A
Rhodopsin like Amine**



Peptide



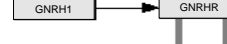
Cannabinoid



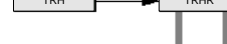
Platelet-activating factor



Gonadotropin-releasing hormone



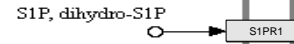
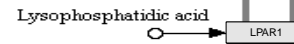
Thyrotropin-releasing hormone



Melatonin



Lysophingolipid and LPA



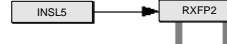
Leukotriene B4



Mas proto-oncogene



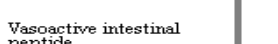
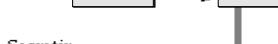
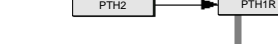
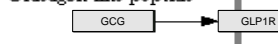
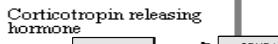
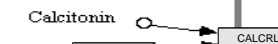
Relaxin



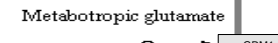
Cysteinyl-leukotriene



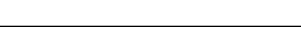
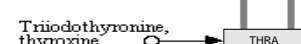
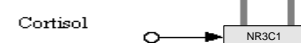
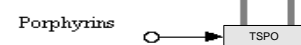
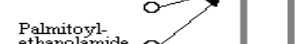
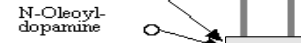
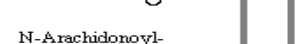
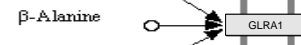
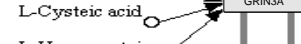
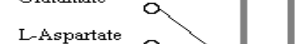
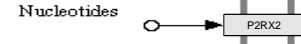
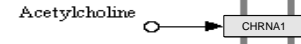
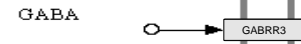
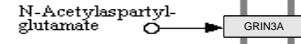
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**

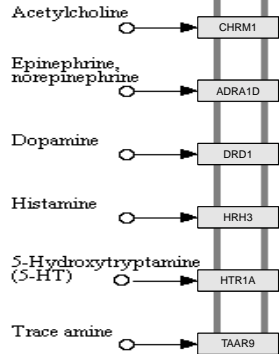


Channels /other receptors

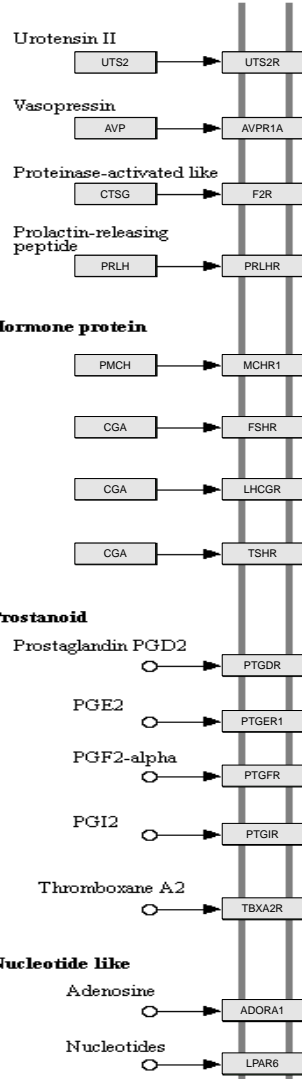
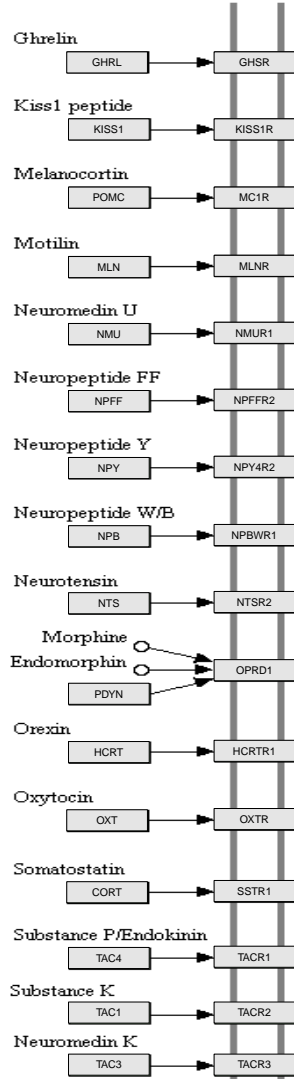
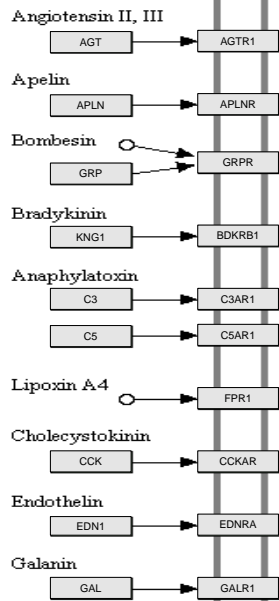


GPCRs

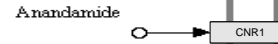
**Class A
Rhodopsin like Amine**



Peptide



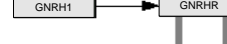
Cannabinoid



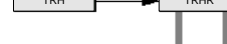
Platelet-activating factor



Gonadotropin-releasing hormone



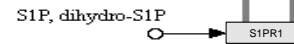
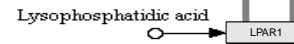
Thyrotropin-releasing hormone



Melatonin



Lysophingolipid and LPA



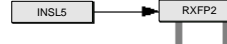
Leukotriene B4



Mas proto-oncogene



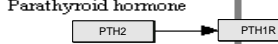
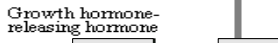
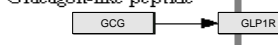
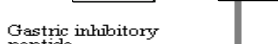
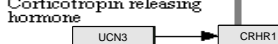
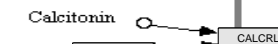
Relaxin



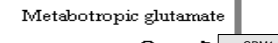
Cysteinyl-leukotriene



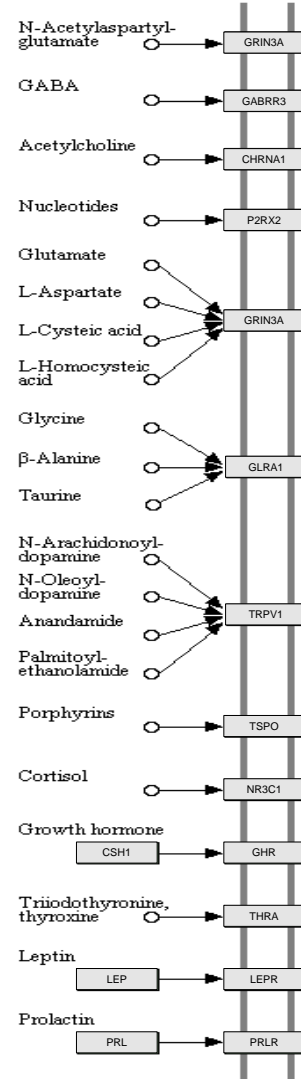
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**



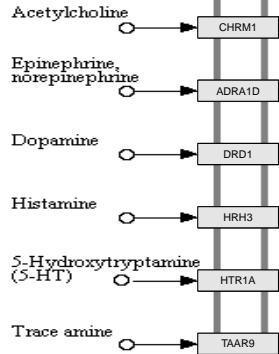
Channels /other receptors



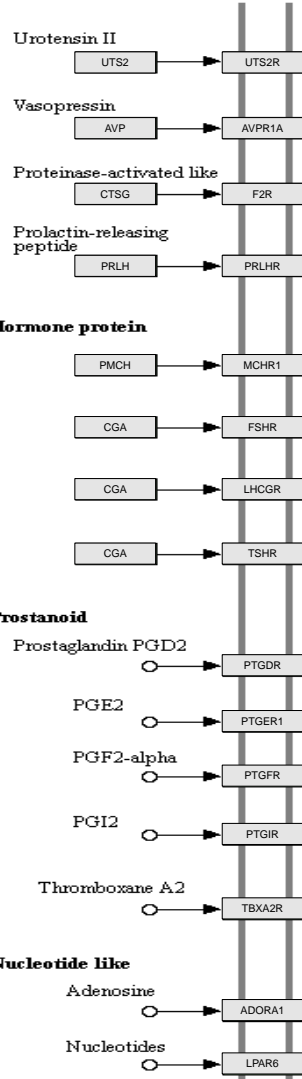
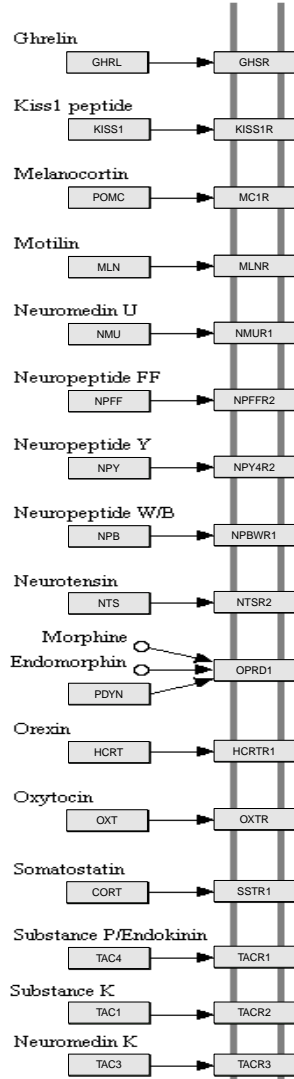
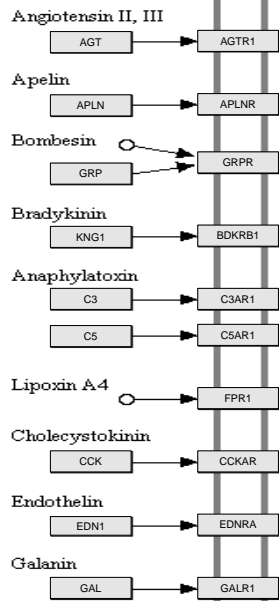
Neuroactive_ligand_receptor_interaction
group 1

GPCRs

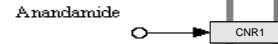
**Class A
Rhodopsin like Amine**



Peptide



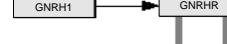
Cannabinoid



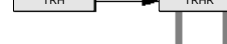
Platelet-activating factor



Gonadotropin-releasing hormone



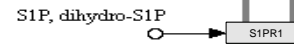
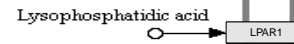
Thyrotropin-releasing hormone



Melatonin



Lysophingolipid and LPA



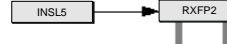
Leukotriene B4



Mas proto-oncogene



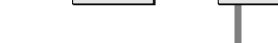
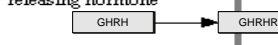
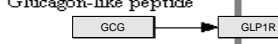
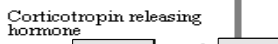
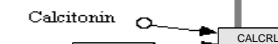
Relaxin



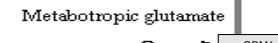
Cysteinyl-leukotriene



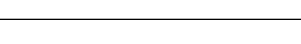
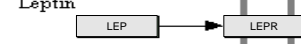
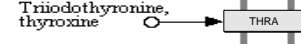
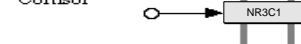
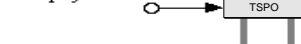
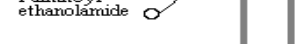
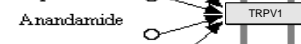
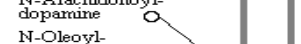
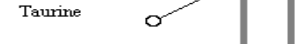
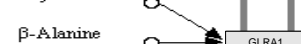
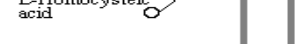
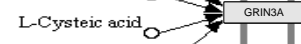
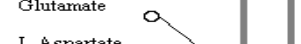
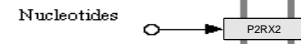
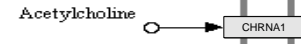
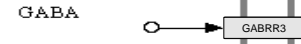
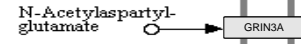
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**



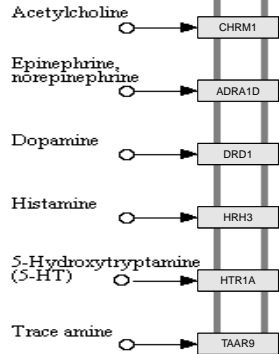
Channels /other receptors



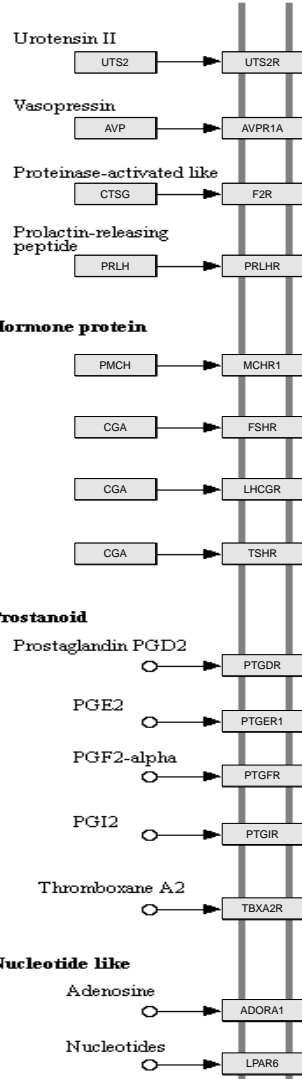
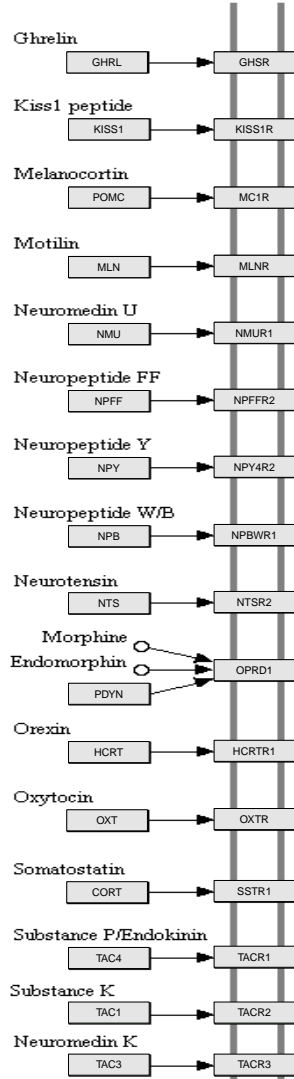
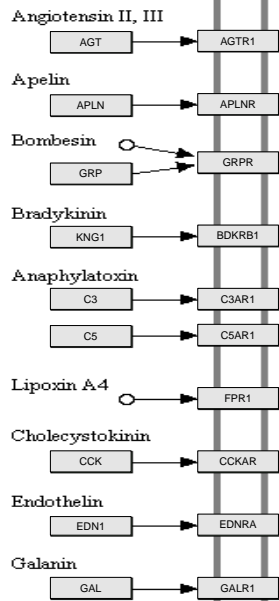
Neuroactive_ligand_receptor_interaction
group 2

GPCRs

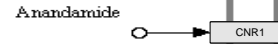
**Class A
Rhodopsin like Amine**



Peptide



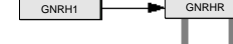
Cannabinoid



Platelet-activating factor



Gonadotropin-releasing hormone



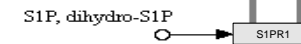
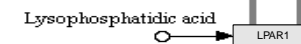
Thyrotropin-releasing hormone



Melatonin



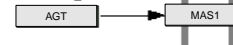
Lysophingolipid and LPA



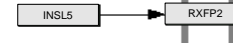
Leukotriene B4



Mas proto-oncogene



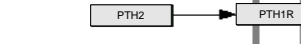
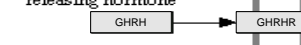
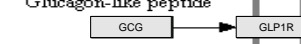
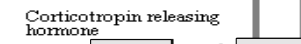
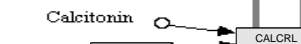
Relaxin



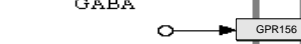
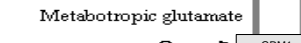
Cysteinyl-leukotriene



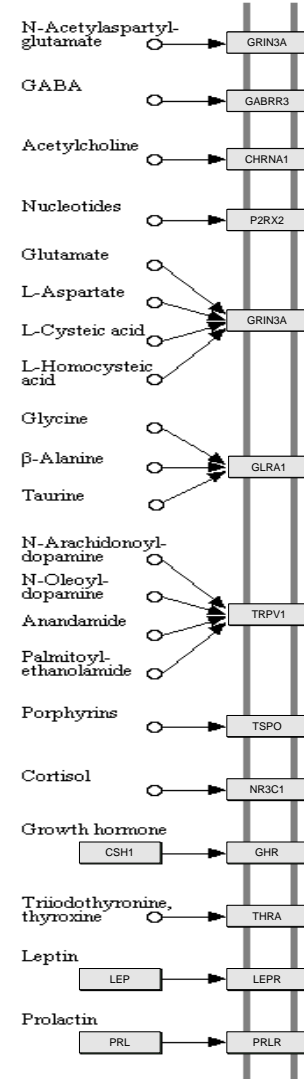
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**



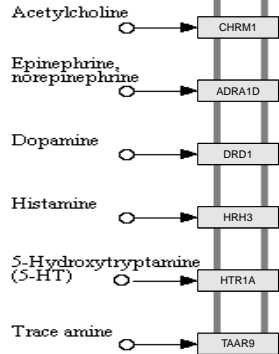
Channels /other receptors



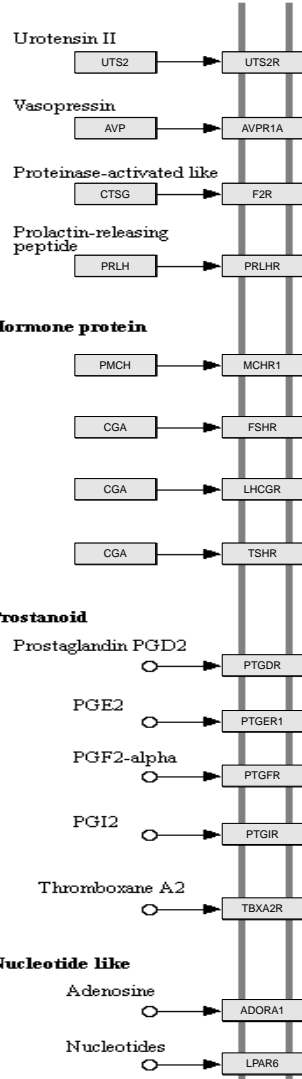
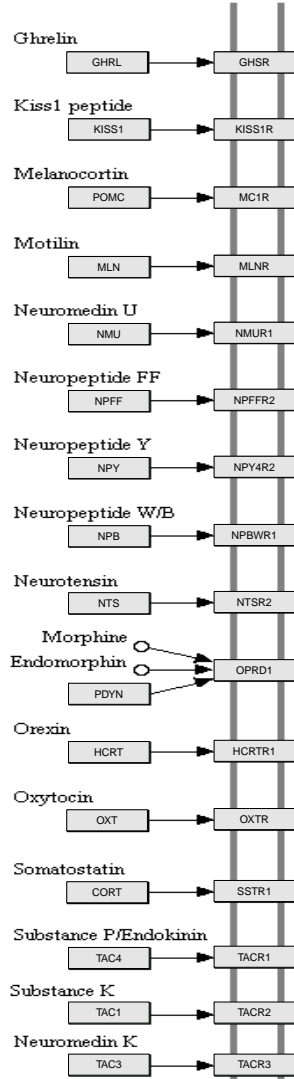
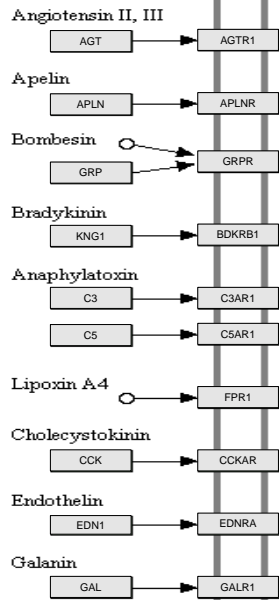
Neuroactive_ligand_receptor_interaction
group 3

GPCRs

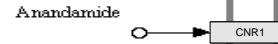
**Class A
Rhodopsin like Amine**



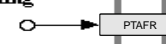
Peptide



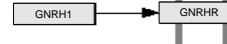
Cannabinoid



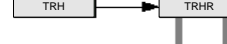
Platelet-activating factor



Gonadotropin-releasing hormone



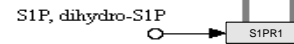
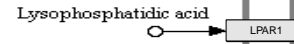
Thyrotropin-releasing hormone



Melatonin



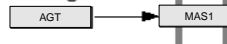
Lysophingolipid and LPA



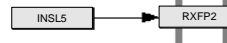
Leukotriene B4



Mas proto-oncogene



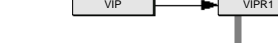
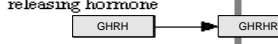
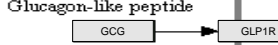
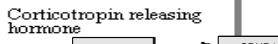
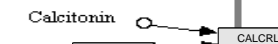
Relaxin



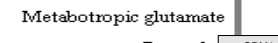
Cysteinyl-leukotriene



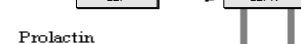
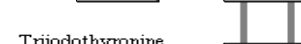
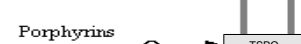
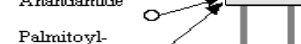
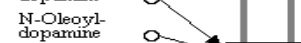
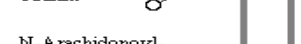
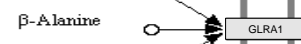
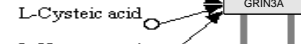
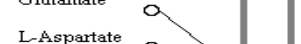
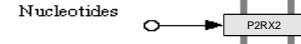
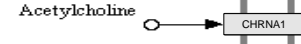
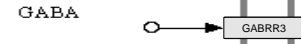
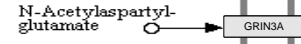
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**

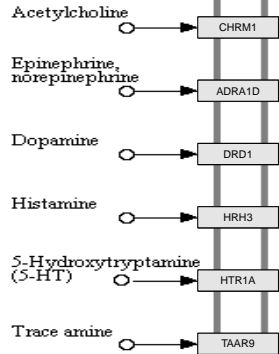


Channels /other receptors

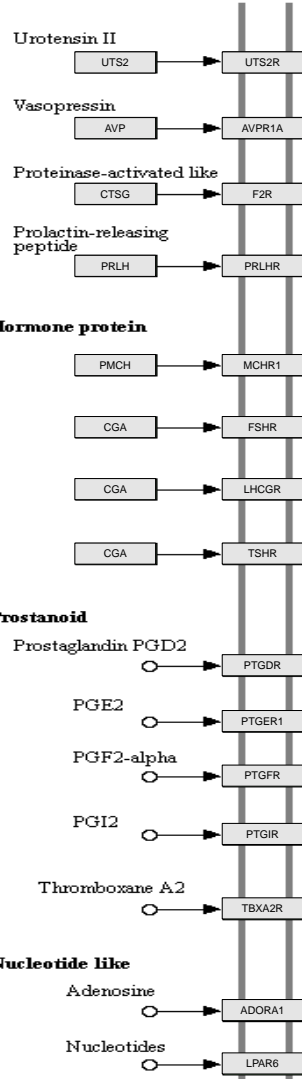
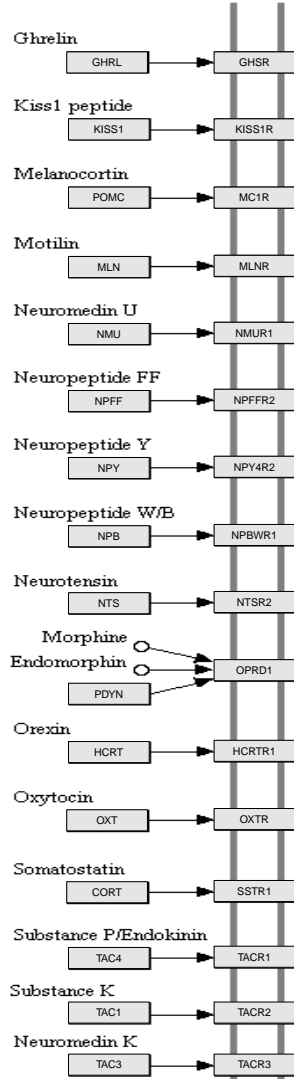
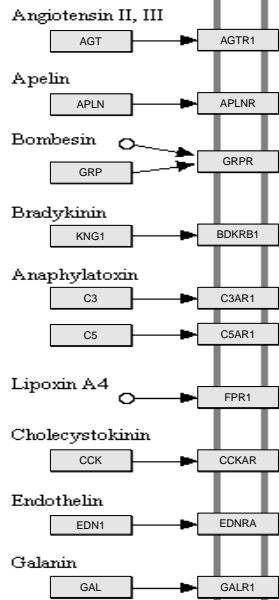


GPCRs

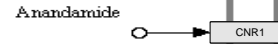
**Class A
Rhodopsin like Amine**



Peptide



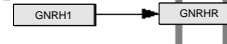
Cannabinoid



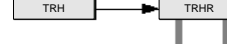
Platelet-activating factor



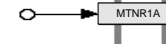
Gonadotropin-releasing hormone



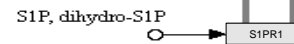
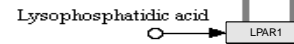
Thyrotropin-releasing hormone



Melatonin



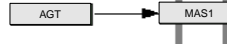
Lysophingolipid and LPA



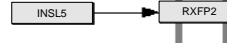
Leukotriene B4



Mas proto-oncogene



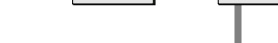
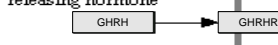
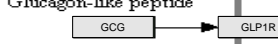
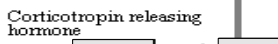
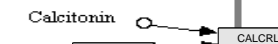
Relaxin



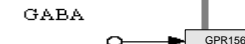
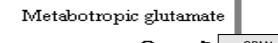
Cysteinyl-leukotriene



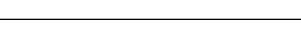
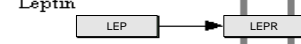
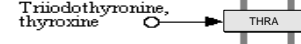
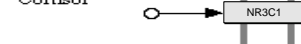
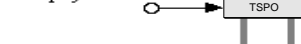
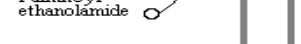
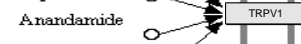
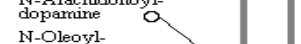
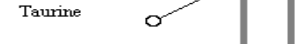
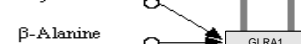
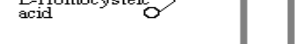
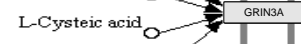
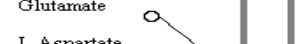
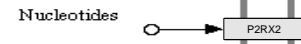
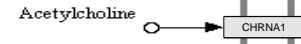
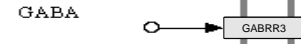
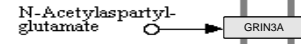
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**



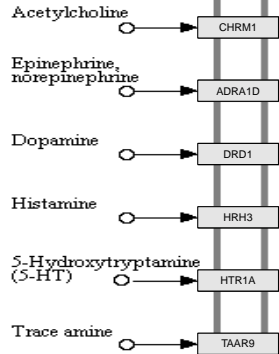
Channels /other receptors



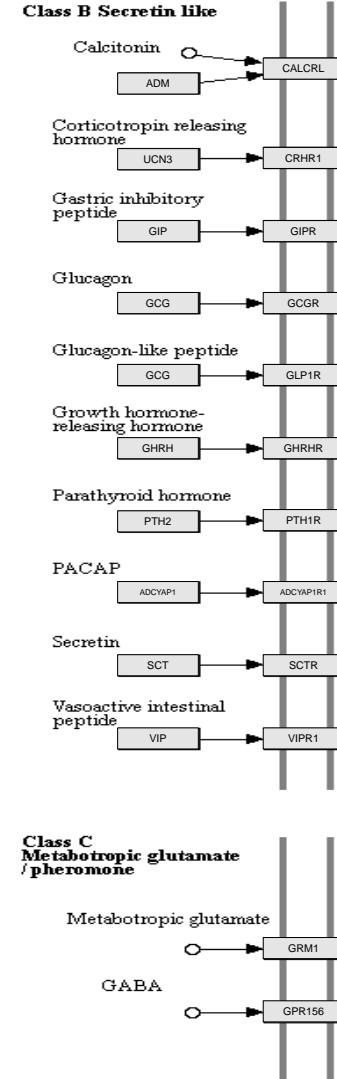
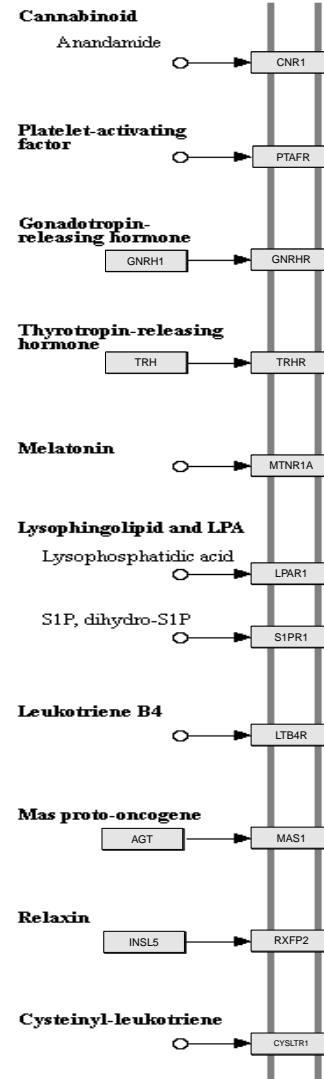
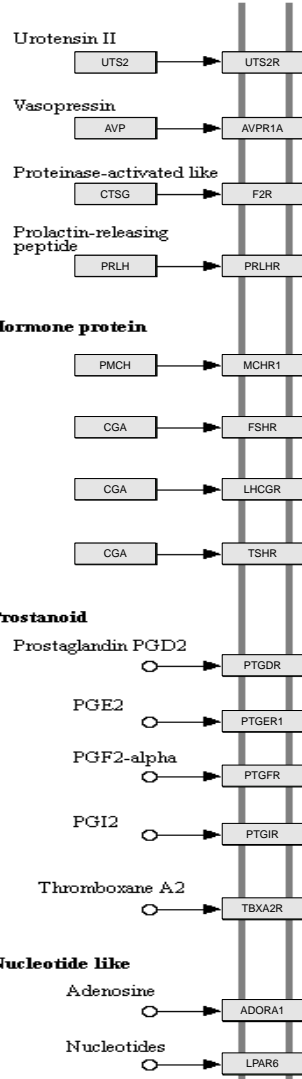
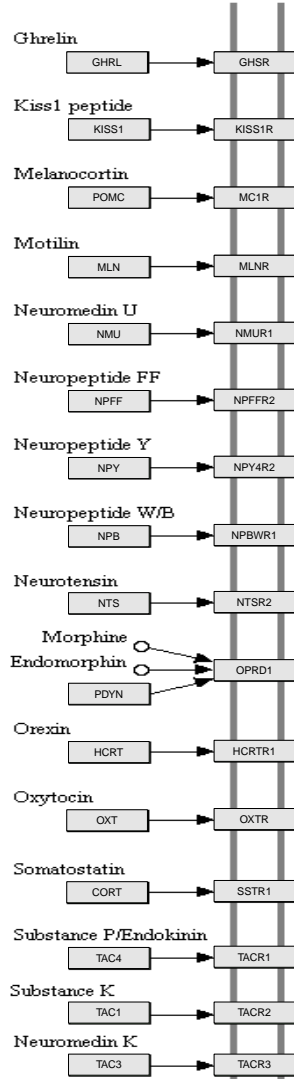
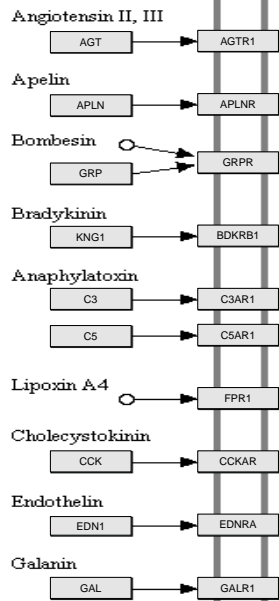
Neuroactive_ligand_receptor_interaction
group 5

GPCRs

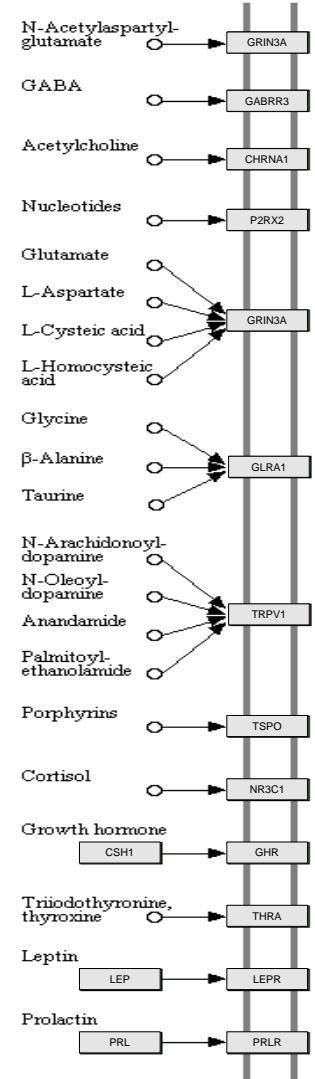
**Class A
Rhodopsin like Amine**



Peptide



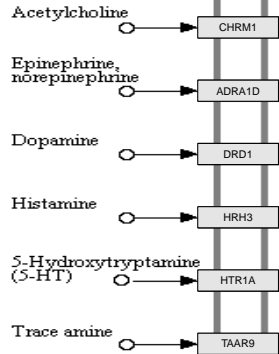
Channels /other receptors



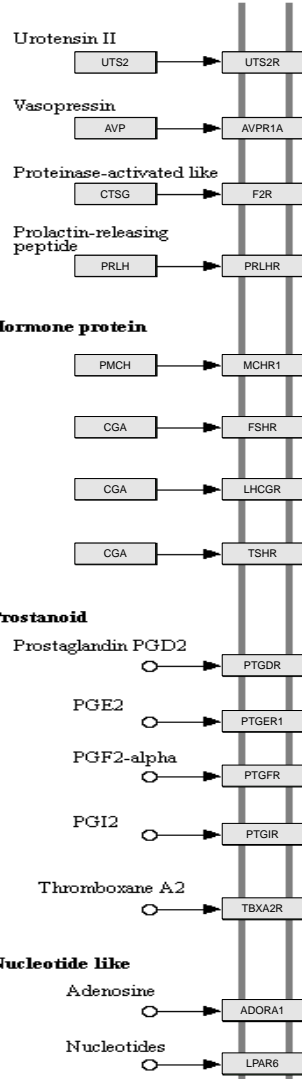
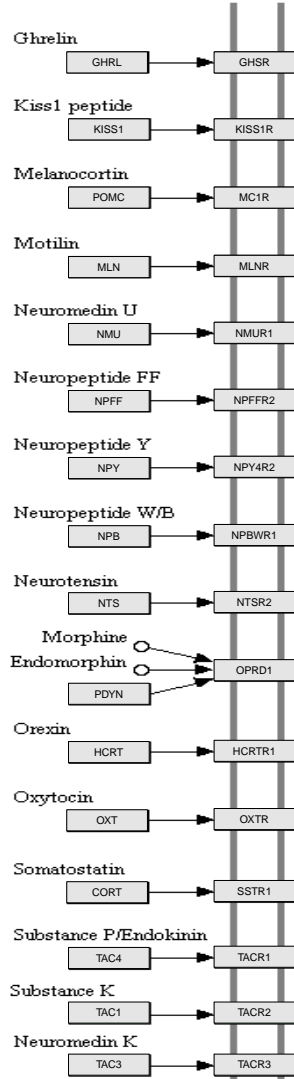
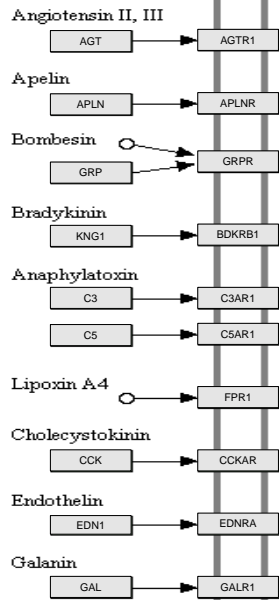
Neuroactive_ligand_receptor_interaction
group 6

GPCRs

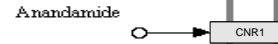
**Class A
Rhodopsin like Amine**



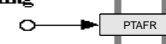
Peptide



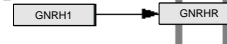
Cannabinoid



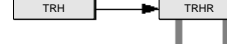
Platelet-activating factor



Gonadotropin-releasing hormone



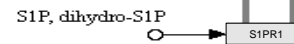
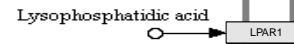
Thyrotropin-releasing hormone



Melatonin



Lysophingolipid and LPA



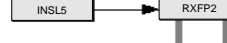
Leukotriene B4



Mas proto-oncogene



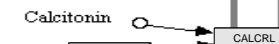
Relaxin



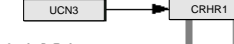
Cysteinyl-leukotriene



Class B Secretin like



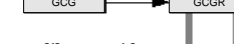
Corticotropin releasing hormone



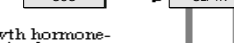
Gastric inhibitory peptide



Glucagon



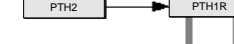
Glucagon-like peptide



Growth hormone-releasing hormone



Parathyroid hormone



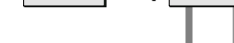
PACAP



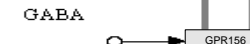
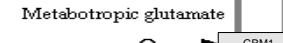
Secretin



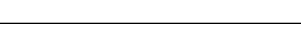
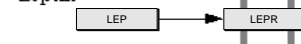
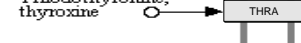
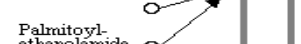
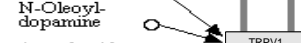
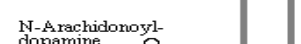
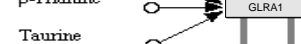
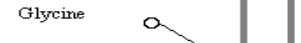
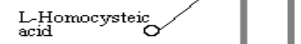
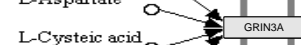
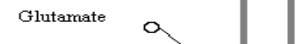
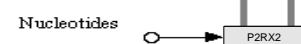
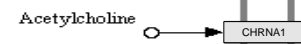
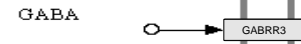
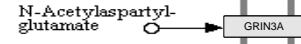
Vasoactive intestinal peptide



**Class C
Metabotropic glutamate / pheromone**

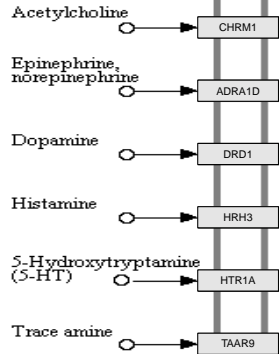


Channels /other receptors

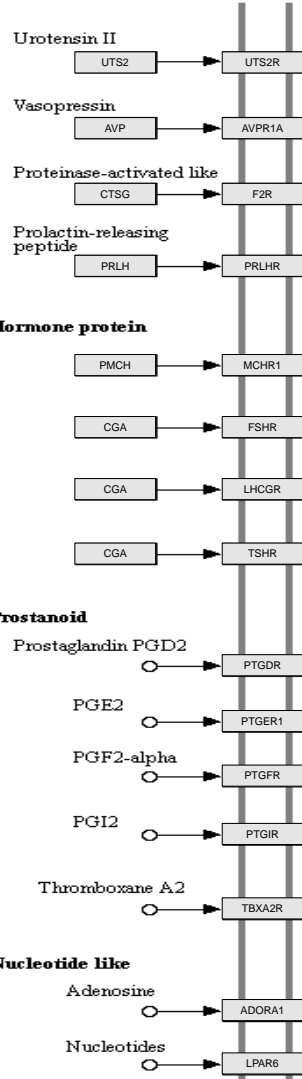
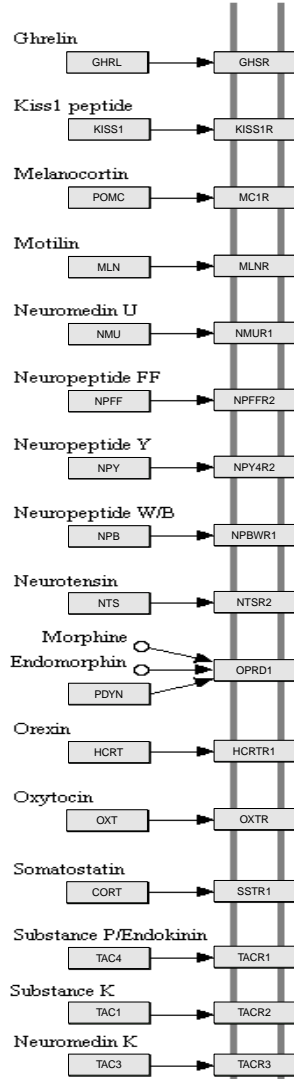
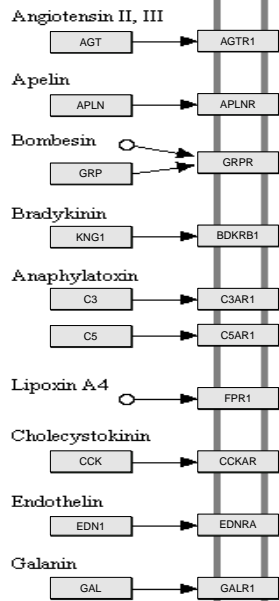


GPCRs

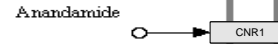
**Class A
Rhodopsin like Amine**



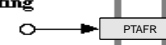
Peptide



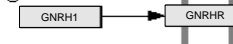
Cannabinoid



Platelet-activating factor



Gonadotropin-releasing hormone



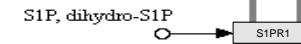
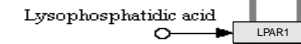
Thyrotropin-releasing hormone



Melatonin



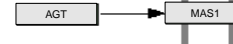
Lysophingolipid and LPA



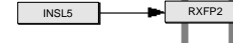
Leukotriene B4



Mas proto-oncogene



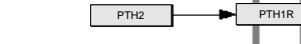
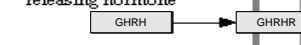
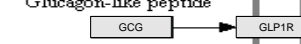
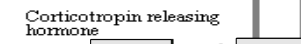
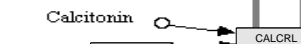
Relaxin



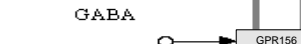
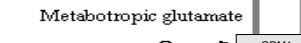
Cysteinyl-leukotriene



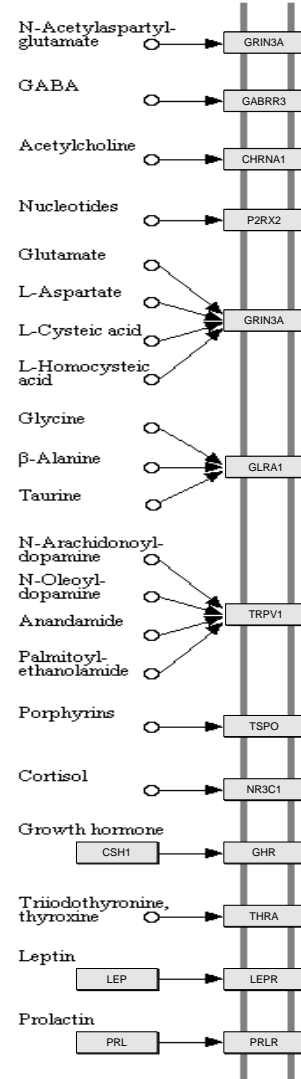
Class B Secretin like



**Class C
Metabotropic glutamate / pheromone**



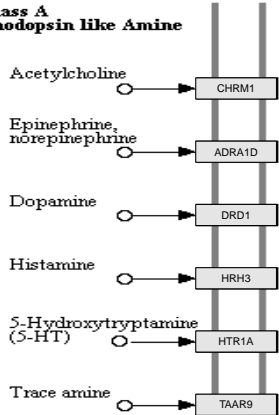
Channels /other receptors



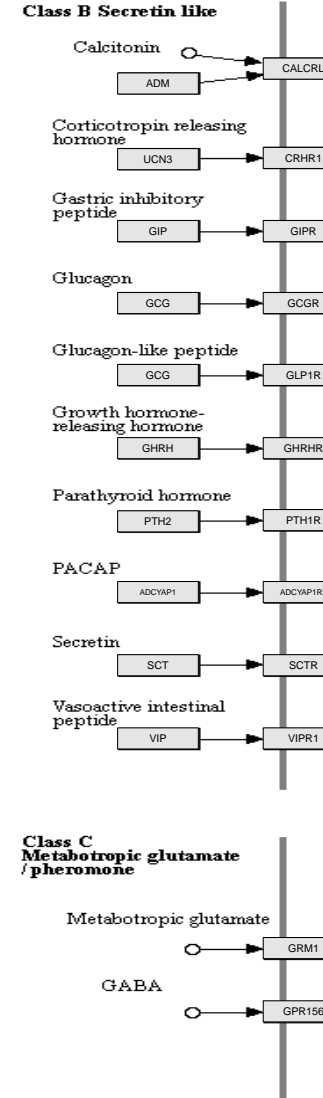
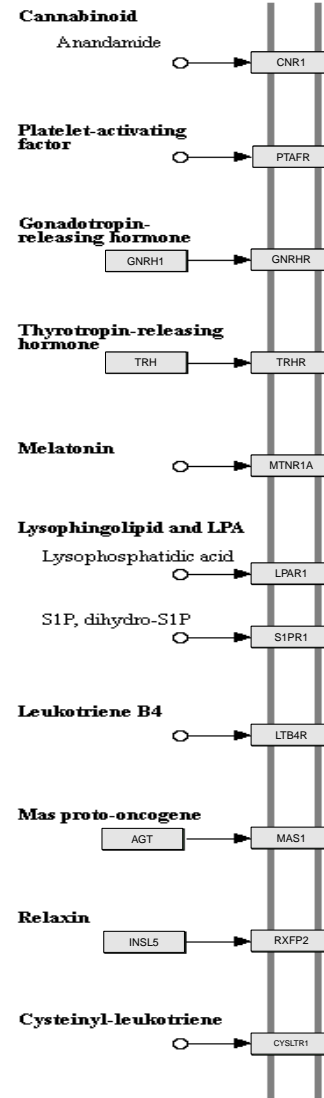
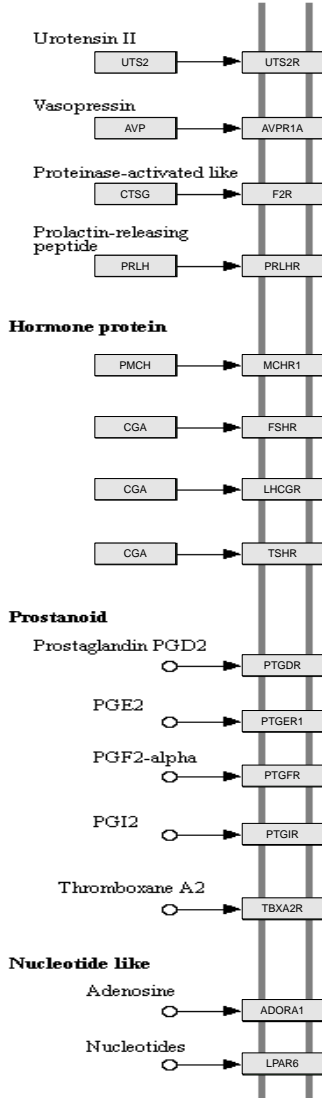
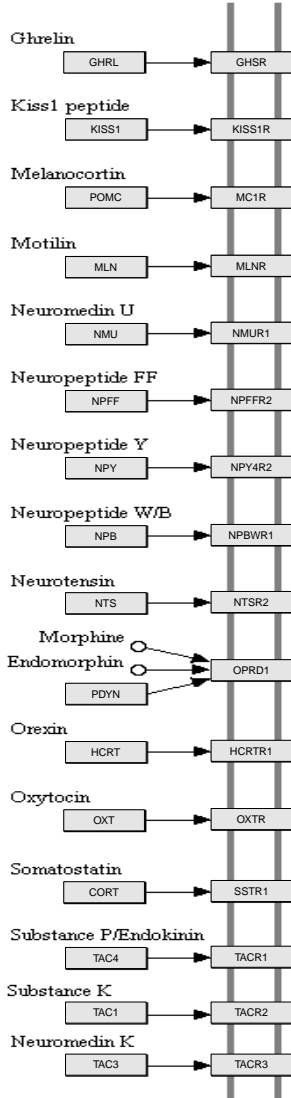
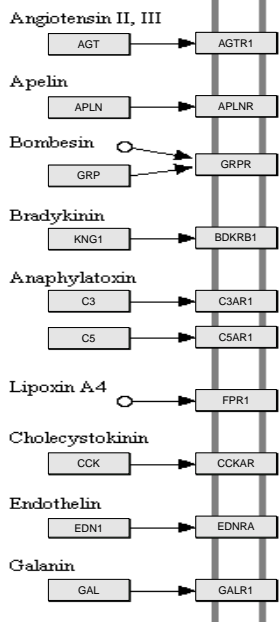
Neuroactive_ligand_receptor_interaction
group 8

GPCRs

**Class A
Rhodopsin like Amine**



Peptide



Channels /other receptors

