

RESEARCH REPORTS

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Microgenomics of Ameloblastoma

APPENDIX

Appendix Table. Gene Ontology (GO) of Some of the Overexpressed Genes (two-fold) in Ameloblastoma, Covering Biological Process and Molecular Function

Overexpressed Genes (two-fold) in 5/5 Samples of Ameloblastoma ($p < 0.05$)

Common Name	GO Biological Process	GO Molecular Function
Glucosidase, beta, acid 3 (cytosolic) RAS-like, family 10, member B	Carbohydrate metabolism Small GTPase-mediated signal transduction	Hydrolase activity, hydrolyzing O-glycosyl compounds GTP binding
Melanoma antigen family E, 1 MyoD family inhibitor	Biological process unknown Cell differentiation; cytoplasmic sequestering of transcription factor; embryonic development	Protein binding Receptor activity
Splicing factor, arginine/serine-rich 16 (suppressor-of-white-apricot homolog, <i>Drosophila</i>)	Nuclear mRNA splicing, via spliceosome	
Wingless-type MMTV integration site family, member 10A	Development; frizzled-2 signaling pathway	Signal transducer activity
Acid phosphatase 5, tartrate resistant BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, <i>S. cerevisiae</i>)	Negative regulation of transcription	Acid phosphatase activity; hydrolase activity ATP binding; helicase activity; transcription factor activity
MYC binding protein 2 Purinergic receptor P2Y, G-protein coupled, 13	Protein ubiquitination	Ubiquitin-protein ligase activity; zinc ion binding
Sema domain, transmembrane domain (TM), and cytoplasmic domain (semaphorin) 6A	Apoptosis; axon guidance; cell-surface receptor linked signal transduction; cytoskeleton organization and biogenesis; development; neurogenesis	Protein binding; receptor activity
Similar to zinc finger protein Zinc finger protein 265	RNA splicing	Nucleic acid binding; zinc ion binding RNA binding; transcription factor activity
Late cornified envelope 1F Leucine-rich repeat-containing G-protein-coupled receptor 4	G-protein-coupled receptor protein signaling pathway	Protein-hormone receptor activity
Tenascin XB Symplekin	Cell-matrix adhesion Cell adhesion	Protein binding Protein binding
Colipase, pancreatic Casein alpha s2-like A APG10L	Digestion; lipid catabolism Transport	Enzyme activator activity Transporter activity
Dual-specificity phosphatase 9	JNK cascade; inactivation of MAPK; protein amino acid dephosphorylation	MAP kinase phosphatase activity; hydrolase activity
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)		Manganese ion binding; polypeptide N-acetylgalactosaminyltransferase activity; sugar binding; transferase activity, transferring glycosyl groups
Zinc finger, CW type with coiled-coil domain 3 OTU domain, ubiquitin aldehyde binding 1	Immune response; ubiquitin cycle	ATP binding GO:8234 (cysteine-type peptidase activity)