

SPU ID / WHL ID databases

<http://www.spbase.org/3836/quantdev/>

<http://www.spbase.org/3836/cellspecific/>

List of Genes Assessed by RNA in situ hybridization

Gene Name	Synonyms	Class	SPU ID	WHL ID	Forward Primer	T7 tailed Reverse Primer
3 apcd		Adhesion, Biom mineralization	SPU_003768	WHL22.589988	CGC GAA AGC ACT ACT OCT ACT GG	TAA TAC GAC TCA CTA TAG GGA GAG GCA TAC GGC ACA TCT ACT GAC TC
a2 (M) I		Adhesion, Biom mineralization	SPU_027250	WHL22.589096	CAG GAC CGG AGG GAA ACA TTG G	TAA TAC GAC TCA CTA TAG GGA GAT GGG GCT OCT GCT TCA OCT CTA TT
alk 1		TF	SPU_022817	WHL22.731056	GGG GTG GCA GCA GTG GGA TAC	TAA TAC GAC TCA CTA TAG GGA GAA AGC CGG GAG AAT TGA OCT GTG AG
ank 2H	ank 3-1	NoClass	SPU_000908	WHL22.361430	CTG CGG CGG GCT GTG GTT CAT	TAA TAC GAC TCA CTA TAG GGA GAC GGC TOC TOC AGC CTC TCA CTC GT
astachn 1	ankL 18	Metalloprotease	SPU_003612	WHL22.642085	AGG GGG CCA TCT CAT CTC AGC	TAA TAC GAC TCA CTA TAG GGA GAG GAC GGC CTC TCG GAC ATC TT
b4 gal1 6/8		Metabolism	SPU_007079	WHL22.386964	CGC GTT TGT GGA AGC CGA TAG	TAA TAC GAC TCA CTA TAG GGA GAC AGC AGC CCA ACA AAC AAC CC
bolet 3		NoClass	SPU_006864	WHL22.66119	GTT GAC AGC TCT GCA ACC AA	TAA TAC GAC TCA CTA TAG GGA GAC TCT OCT CAG GGA CAG TGG T
c-lectn		Biom mineralization, Immunity	SPU_007882	WHL22.728834	GGC GGC CTG ACA CCA CCA TAC	TAA TAC GAC TCA CTA TAG GGA GAT GTC GGT CAA ACC GAG CCA TAG A
c 14 orf 124		Metabolism	SPU_001333	WHL22.38	TGG CCA TAA ATG CAA CAA ATC GTG	TAA TAC GAC TCA CTA TAG GGA GAC ATC TAC CGG OCC CAT ACT OCT CT
cah 10 I	p 19	NoClass	SPU_004135	WHL22.642603	TGC GCT TCA CCC TTT CCT CAT TC	TAA TAC GAC TCA CTA TAG GGA GAG GTC TTG GGC GGG GCT TCT
calcineur 1 I		CalciumToolkit	SPU_002945	WHL22.520763	ATG CCA TGA CAC CAA GAC CAA AGT	TAA TAC GAC TCA CTA TAG GGA GAG CCA GGC CAT GGC AGA GG
cara 7 la		Biom mineralization	SPU_012518	WHL22.446073	CAT TGC GGC GGT AGG AAA CAG TCA	TAA TAC GAC TCA CTA TAG GGA GAC GTG CAG AGC CCT GGC AGC GTA TG
clpdel		Metalloprotease	SPU_007682	WHL22.363067	TGC CCA TAT TGC GGC ATT TGA	TAA TAC GAC TCA CTA TAG GGA GAA CAT ACA TCT CCC GGC GTT TTA CG
clct 14	sm 20	Biom mineralization	SPU_005991	WHL22.39473	GGG GGA TGA CCA GGC AAA AAG	TAA TAC GAC TCA CTA TAG GGA GAC AGG GAA GGC ACA CCC AAT AGA T
coll L		NoClass	SPU_024897	WHL22.95489	AGG GGG CTC AGG AAG TAA ACA AAT	TAA TAC GAC TCA CTA TAG GGA GAT ACA GAC CGG AGA GCT CCA GAA TC
cp		Defense	SPU_027885	WHL22.715503	CCC TGG GGT GTG GCT TCT ATC AT	TAA TAC GAC TCA CTA TAG GGA GAG TTG GGC OCT CGA CCT TTG TA
crocc	crocc 2/3/4	NoClass	SPU_008503	WHL22.100947	CCG GGG GGC AGC ACT TTG ACT C	TAA TAC GAC TCA CTA TAG GGA GAT GGC GGC CTC TCG TGG TGA ATG T
cycph	cyp 1	Biom mineralization	SPU_007484	WHL22.733408	CGG TCC GCT GGT TGC TCG	TAA TAC GAC TCA CTA TAG GGA GAG GGG TGG TAG GTC TTG GGT TCT
deadringer		NoClass	SPU_017106	WHL22.544154	TTA TAC CGC GGC AAC AA AAC AT	TAA TAC GAC TCA CTA TAG GGA GAC CAG GGC TCC CAT CTT CA
deaf 1 L	samd 11	TF	SPU_022540	WHL22.158312	TGC GAC ACC TGC CGA TTG AA	TAA TAC GAC TCA CTA TAG GGA GAC TGC CGG TGT CGT GAT GGT TAG TA
enpep		Metalloprotease	SPU_011978	WHL22.225917	ACG AGC AGG GGC CAC AGG AGG AAT	TAA TAC GAC TCA CTA TAG GGA GAA CGG GGC TGT GTC GGG TGG AAC TT
enpep 2		Metalloprotease	SPU_016020	WHL22.22591	GGG CGA GTC GGG TTC ATT ACA G	TAA TAC GAC TCA CTA TAG GGA GAT CAG GGT TAC TTT CCA CCC AGT T
erg		Immunity, TF	SPU_018483	WHL22.556472	TTC GGA CGA CCA GAC GCT ATT TGA	TAA TAC GAC TCA CTA TAG GGA GAT TTT TCC GCT CTC CCC ATT TCC TG
ets 1/2		Immunity, TF	SPU_002874	WHL22.238821	TTG GTG AAA TTC CGC CAT AGT CCT	TAA TAC GAC TCA CTA TAG GGA GAT TAG TTT TCC CCC TTT CAT CTG GT
exoc 4-2		Nervous	SPU_001083	WHL22.694798	CAT TTT TCC GGC GGT GTA AGC	TAA TAC GAC TCA CTA TAG GGA GAG ATG AGG GGC TGT TTG CGT GAC
p 58 a	ftgtp I	Defense	SPU_000439	WHL22.23776	TCG TAA GGG CCA CCA AAG ATG T	TAA TAC GAC TCA CTA TAG GGA GAC CAC TGG CGA ACC CGT AGA TGA
fred	ftp / ficolin	NoClass	SPU_002598	WHL22.427938	ATA CGG TGG AGA GTG GGA CGA T	TAA TAC GAC TCA CTA TAG GGA GAT ACG GGG CAT GCT TAG AAA CAA
gom		TF	SPU_006462	WHL22.54333	CTA CTA CCC GAC CCA ACC CCA GAT	TAA TAC GAC TCA CTA TAG GGA GAC AAA TGA ACC CGA TGA GGA AGA CG
lg	egt / vwc	Adhesion	SPU_017202	WHL22.139301	ACC CCC AAC GGC ACT CTC A	TAA TAC GAC TCA CTA TAG GGA GAA GGG GTC AAA CGG CGA TGT C
mlf		Adhesion	SPU_008174	WHL22.677144	ACA TGC GAG GTA TGG TGT CA	TAA TAC GAC TCA CTA TAG GGA GAG GTT GCA CTG GTC TTT CTG C
map 130		Biom mineralization	SPU_002088	WHL22.438943	TGG CGA TTT GGT TGC GTT CAC TC	TAA TAC GAC TCA CTA TAG GGA GAT AGC GGC CTC ATT TGC CGT TAC C
map 130 r1		Biom mineralization	SPU_013822	WHL22.438976	GGG GAT ATC CGT GGC AAT GT	TAA TAC GAC TCA CTA TAG GGA GAG GGG GAT GGG GAT AAT AAA AAG AA
map 130 r2	ap I	Biom mineralization	SPU_016506	WHL22.451280	CGC ATG CCA TAC CAG GGT TCA	TAA TAC GAC TCA CTA TAG GGA GAC ATG GGG GGC TTG CGG TAG AC
map 130 r3		Biom mineralization	SPU_006387	WHL22.438994	GGG CGA TTT TGG TAC TTT CTG TCT	TAA TAC GAC TCA CTA TAG GGA GAC AAC CAA GGC CCA AAC CAG G
nadsyn 1		NoClass	SPU_003374	WHL22.167662	GGG GCA GCT TAC ATC ACC TC	TAA TAC GAC TCA CTA TAG GGA GAG GGT ATC TCC TCT TCC GGT GTA T
npnt		NoClass	SPU_025235	WHL22.626493	ATG TAT CGC GGT GTT TGT CG	TAA TAC GAC TCA CTA TAG GGA GAT GGT TCA TAT CTG CTT CAC AAT
oct		Defense	SPU_012646	WHL22.17128	GCT GGT GGG CGC TTT TTG TGA G	TAA TAC GAC TCA CTA TAG GGA GAT AGT GGC CGA GGA TGA GGA TGA GC
p 16		Biom mineralization	SPU_018408	WHL22.239481	GGG CGG ATT TCC AGG CAC AGA	TAA TAC GAC TCA CTA TAG GGA GAC AAC GGT CGA TCG CTC CAA TAC G
pkk (p 21) ph		Cytoskeleton, Kinase	SPU_003534	WHL22.294876	GTC CTA ACG GTC CGC CAA AAA TGA	TAA TAC GAC TCA CTA TAG GGA GAT TCT CCC TAC GCT OCT GGT GTG CT
pdgfr	viegf I	CalciumToolkit, Signaling	SPU_000310	WHL22.240520	ATA ACC CCA AGG CTA ATC CCA ATA	TAA TAC GAC TCA CTA TAG GGA GAC TAC CTC GGC AGC TCC TGT CTA
ppap 2 b		NoClass	SPU_011127	WHL22.310985	TGC CGC TGT TTT AGC GAG GTT T	TAA TAC GAC TCA CTA TAG GGA GAC ACG AGG GGG CGG AGG AAG AC
sk22a 18		Metabolism	SPU_012704	WHL22.444466	CCG CCA CAG ACA CAG TCT TA	TAA TAC GAC TCA CTA TAG GGA GAT GAC TCT TCC CAG TGC CTC T
sm 32	sm 50	Defense	SPU_018810	WHL22.742398	GTC CGG GTA TGC CCC CAA CTC	TAA TAC GAC TCA CTA TAG GGA GAT TAT GGC AAC GGC TCT GGC TCT T
thr		Biom mineralization	SPU_025584	WHL22.503644	CGG CGG CCC GGC ACT TC	TAA TAC GAC TCA CTA TAG GGA GAC CTG CGC GGA CGG TAT CCA TTT A
tpm 3/4		NoClass	SPU_011587	WHL22.652421	GTC GGC AAC GCT CTC AAC AAC C	TAA TAC GAC TCA CTA TAG GGA GAC TCC TTC CGG CCA GTC TCT ACC AT
uncharacterized		Immunity, TF	SPU_013669	WHL22.312130	GGC AAG GGA ATA CCG ATG GAG AGT	TAA TAC GAC TCA CTA TAG GGA GAT TTG GGG CCT TTG TTG GGT ATG
uncharacterized		CalciumToolkit, EggActivation	SPU_005647	WHL22.501738	CCC GGC CTG OCT GGA CTT	TAA TAC GAC TCA CTA TAG GGA GAA CAA CGG GCT TCT TCG ACA ACA AT
uncharacterized	pkx I	NoClass	SPU_028395	WHL22.22317	CGG CGG ATG GAA GTT GAG AGT GTA	TAA TAC GAC TCA CTA TAG GGA GAG AGC GAC GAA GGC TGG GAG GTA A
uncharacterized	smtn 1-2	Immunity, Signaling, TF	SPU_021845	WHL22.60330	CGG AAA CGT AAG CGC TCT AAA ACA	TAA TAC GAC TCA CTA TAG GGA GAA TAA GCG GGC ATTCTCTACCTC
uncharacterized		NovelGene	SPU_000152	WHL22.452609	CAA TTA TTA CCC AGA OCC CAA CCT	TAA TAC GAC TCA CTA TAG GGA GAC CTC GCA AGT AGC ACC ATT TAG AC
uncharacterized		NovelGene		WHL22.441487	GGG TTT TTT CTG CTG TTT TT	TAA TAC GAC TCA CTA TAG GGA GAC GTT GGC GGG GTG ATA CT
uncharacterized		NovelGene		WHL22.300872	CAG CGG CAA ATA GTG GCA ACT A	TAA TAC GAC TCA CTA TAG GGA GAG AGG GCT GGA GGG AAC GAG GAA C