



Pig oligo annotation / Version 5

Nov 12th, 2009 / sigenasupport@jouy.inra.fr

Oligo-Set reference :

manufacturer : [agilent](#)
part number : [G2519F](#)
release date : [04/30/2008](#)
design ID number : [020109](#)
format : [44k](#)

Organism: [pig](#)
Number of Oligo : [43603](#)

Oligo length: 60 bp

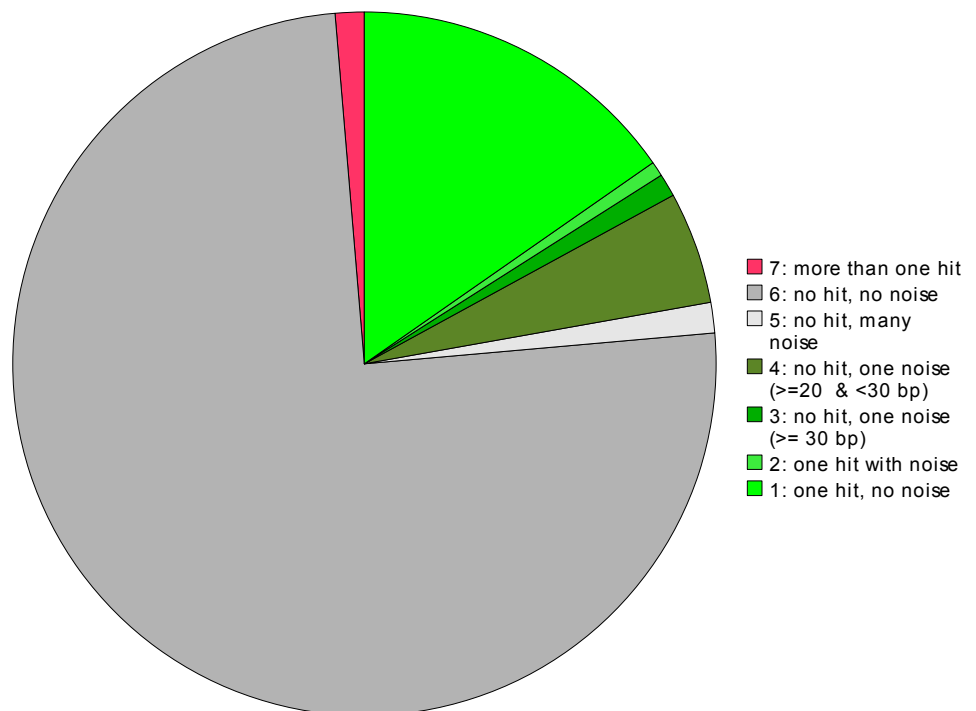
Sequences on which oligos have been designed:

Built using Agilent's proprietary 60-mer SurePrint technology.

Specificity analysis

The oligos have been aligned against the transcripts of the species or reference species. The alignment matches are shared between : hit = more than 85% of identity of the oligo length and noise = no hit but more than 20 bp without mismatch : Zhili He's & all 2005

oligo classification



No hit > 85%

-No noise	32 736
-1 noise >= 20 & < 30bp	2 245(*)
-1 noise >= 30 bp	463(*)
-Many noise	608

1 hit > 85%

-No noise	6 676 (*)
-With noise	297 (*)

More than 1 hit

-With & without noise	578
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(*): can be annotated.

Total: 9 681



ID GEO:

Annotation information

ID ArrayExpress:

Genome assembly :	GRCh37, Feb 2009
Gene build	Ensembl, Jul 2009
Ensembl version	56, Oct 2009

Gene coverage

The oligos which can be linked to a gene correspond to 6 370 different genes.

Probes annotated with orthologous Ensembl genes and Gene Ontology

Human	0	GO Molecular Function :	8 428
Mouse	8 552	GO Biological Process :	8 004
Rat	8 075	GO Cellular Component :	8 421

Probes having external reference link

Uniprot/SWISSPROT	9 419
UniGene	8 662
RefSeq_peptide	9 419
HGNC	9 372

