



Pig oligo annotation / Version 5

Dec 11th, 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.

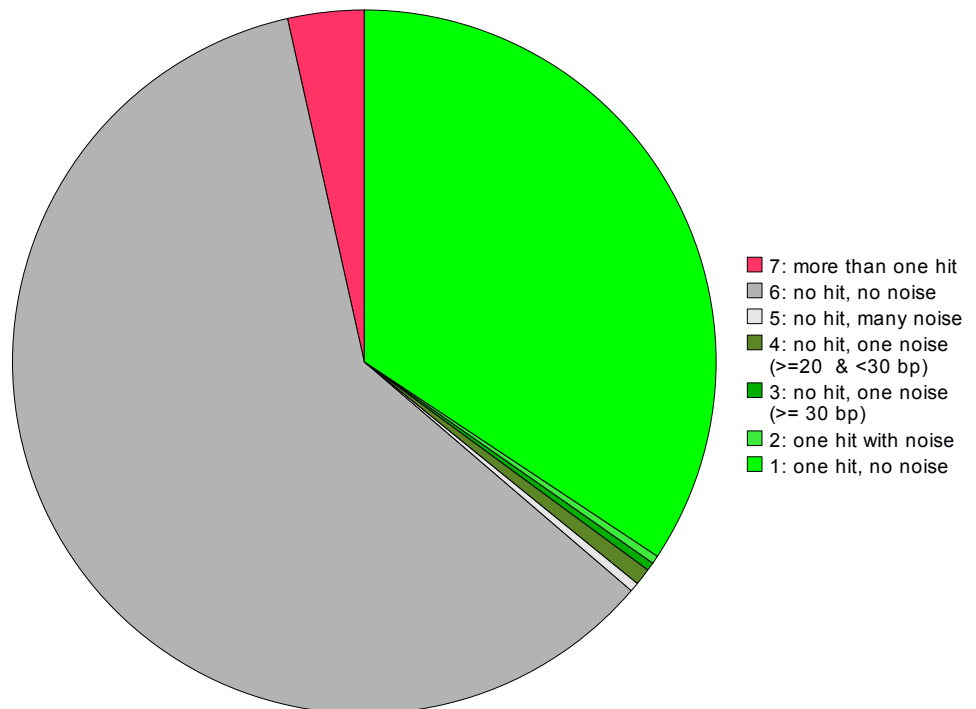
Specificity analysis

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	26 261
-1 noise >= 20 & < 30bp	335(*)
-1 noise >= 30 bp	165(*)
-Many noise	189
1 hit > 85%	
-No noise	14 965 (*)
-With noise	163 (*)
More than 1 hit	
-With & without noise	1 525

(*): can be annotated.
Total: 15 628





ID GEO:

Annotation information

ID ArrayExpress:

Genome assembly :	Sscrofa9, Apr 2009
Gene build	Ensembl, Sep 2009
Ensembl version	56, Oct 2009

Gene coverage

The oligos which can be linked to a gene correspond to 7 913 different genes.

Probes annotated with orthologous Ensembl genes and Gene Ontology

Human	13 208	GO Molecular Function :	12 763
Mouse	12 753	GO Biological Process :	11 493
Rat	12 096	GO Cellular Component :	11 963

Probes having external reference link

Uniprot/SWISSPROT	1 639
UniGene	9 879
RefSeq_peptide	957
HGNC	12 919

