



Sheep oligo annotation / Version 4

Jun 18th, 2009 / sigenasupport@jouy.inra.fr

Oligo-Set reference :

manufacturer : [agilent](#)
part number : [G2519F](#)
release date : [04/30/2008](#)
design ID number : [019921](#)
format : [15k](#)

Organism: [sheep](#)

Number of Oligo : [15008](#)

Oligo length: 60 bp

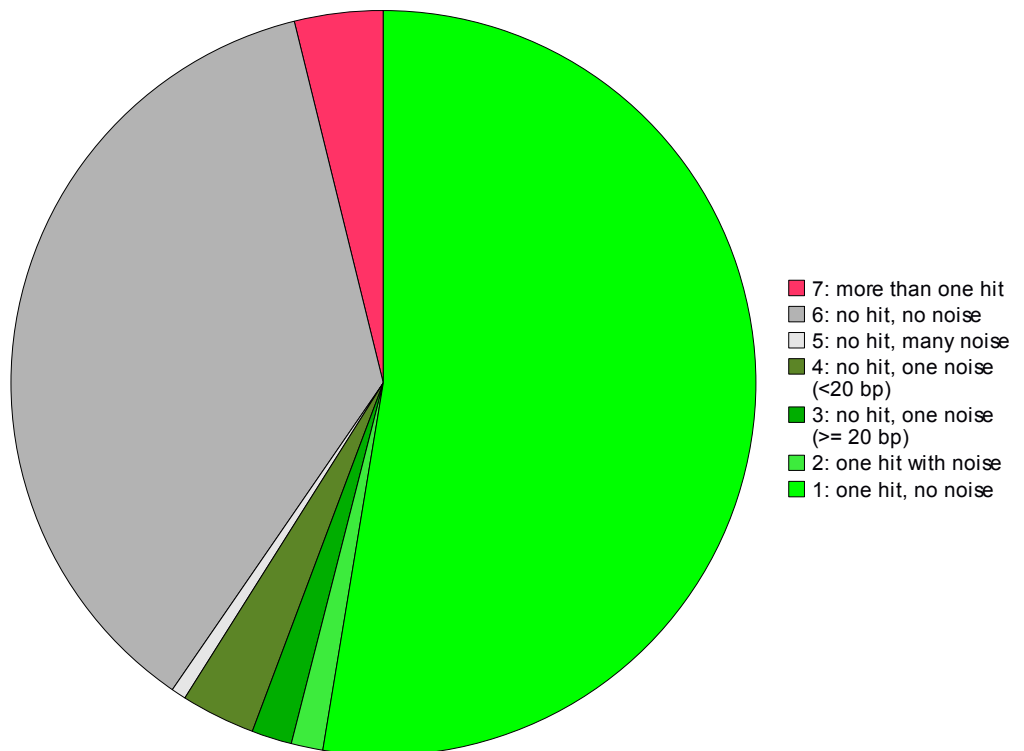
Sequences on which oligos have been designed:

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 5 486
-1 noise <20 bp 484 (*)
-1 noise >20 bp 261 (*)
-Many noise 97

1 hit > 85%

-No noise 7895 (*)
-With noise 207 (*)

More than 1 hit

-With & without noise 578

(*): can be annotated.

Total: 8847



ID GEO:

Annotation information

ID ArrayExpress:

Genome assembly :	Btau_4.0, July 2008
Gene build	Ensembl, Aug 2006
Ensembl version	54, May 2009

Gene coverage

The oligos which can be linked to a gene correspond to 6 884 different genes.

Probes annotated with orthologous Ensembl genes and Gene Ontology

Human	7 819	GO Molecular Function :	6 551
Mouse	7 652	GO Biological Process :	5 687
Rat	7 032	GO Cellular Component :	5 481

Probes having external reference link

Uniprot/SWISSPROT	3 855
UniGene	7 432
RefSeq_peptide	6 266

