



Horse oligo annotation / Version 4

Jul 29th, 2009 / sigenasupport@jouy.inra.fr

Oligo-Set reference :

manufacturer : [agilent](#)
 part number : [G2519F](#)
 release date : [08/22/2008](#)
 design ID number : [021322](#)
 format : [44k](#)

Organism: [horse](#)

Number of Oligo : [43603](#)

Oligo length: 60 bp

Sequences on which oligos have been designed:

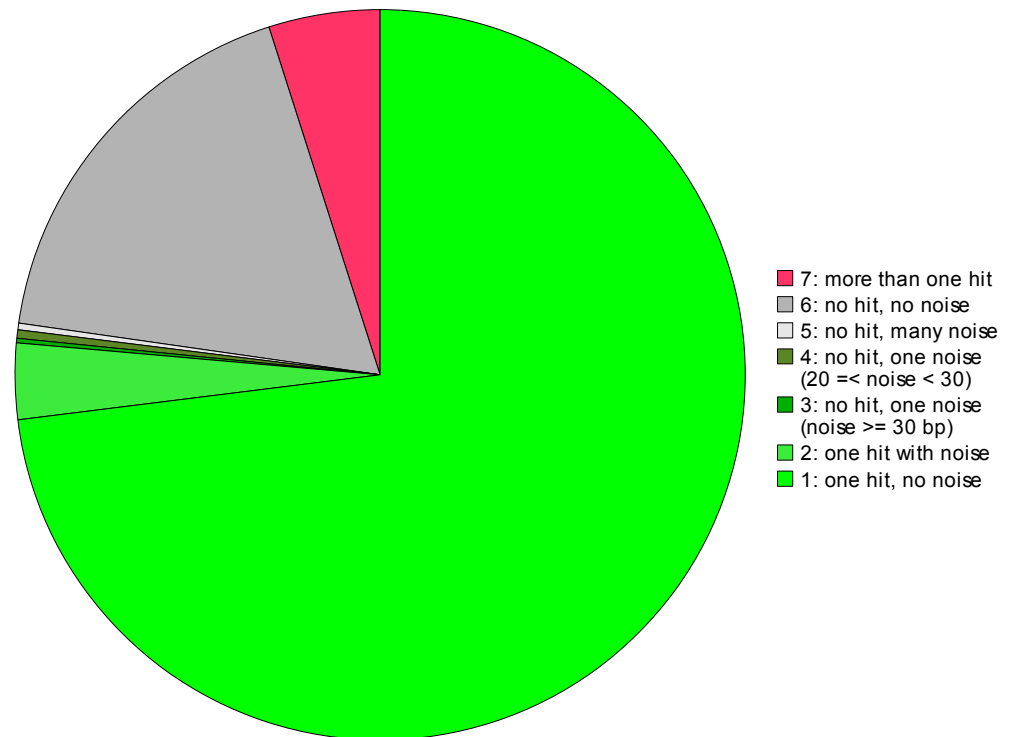
Agilent's Equus caballus Microarray provides researchers with a transcriptome-wide horse microarray for global gene expression profiling.

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	7 765
-1 noise =< 20 & < 30bp	163(*)
-1 noise >= 30 bp	89(*)
-Many noise	127

1 hit > 85%

-No noise	31 845 (*)
-With noise	1 465 (*)

More than 1 hit

-With & without noise	2 149
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(*): can be annotated.

Total: 33 562



ID GEO:

Annotation information

ID ArrayExpress:

Genome assembly :	Equ Cab 2, Sep 2007
Gene build	Ensembl, Mar 2009
Ensembl version	56, Oct 2009

Gene coverage

The oligos which can be linked to a gene correspond to 17 753 different genes.

Probes annotated with orthologous Ensembl genes and Gene Ontology

Human	28 236	GO Molecular Function :	22 597
Mouse	27 425	GO Biological Process :	20 896
Rat	25 938	GO Cellular Component :	23 532

Probes having external reference link

Uniprot/SWISSPROT	622
UniGene	9 800
RefSeq_peptide	710
HGNC	27 431

