



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:

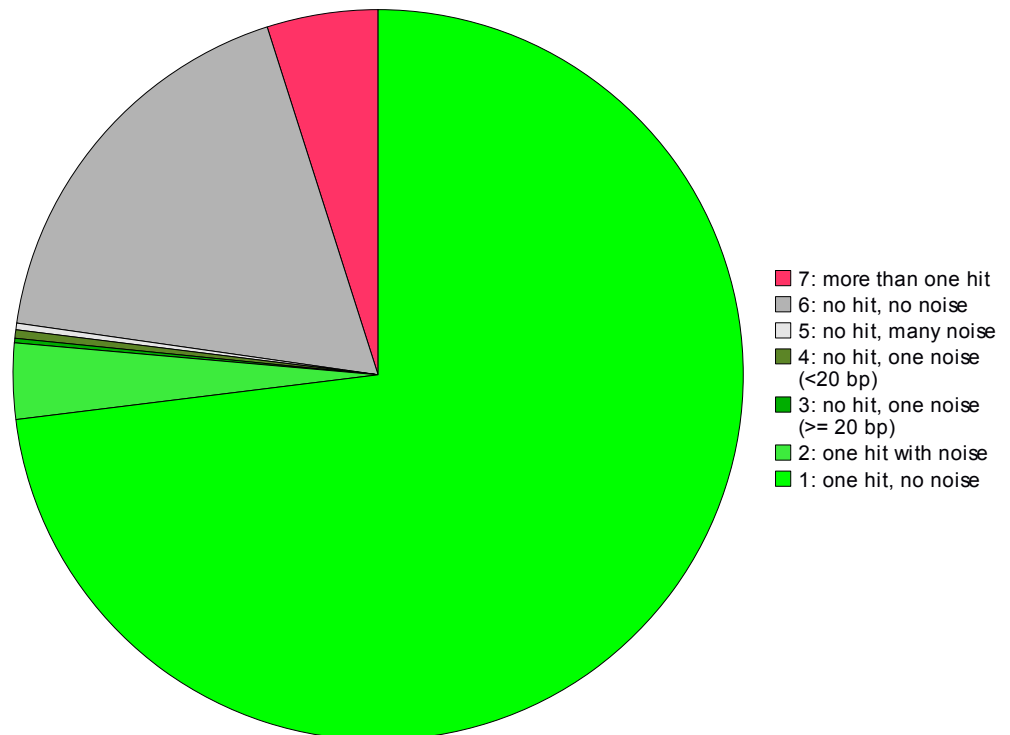
Agilent's Equus caballus Microarray provides researchers with a transcriptome-wide horse microarray for global gene expression profiling.

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 7 771
-1 noise <20 bp 162(*)
-1 noise >20 bp 89(*)
-Many noise 127

1 hit > 85%

-No noise 31 848 (*)
-With noise 1 464 (*)

More than 1 hit

-With & without noise 2 142

(*): can be annotated.

Total: 33 563



ID GEO:

Annotation information

ID ArrayExpress:

Genome assembly :	EquCab_2.52
Gene build	Ensembl, Aug 2006
Ensembl version	54, May 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	28 577	GO Molecular Function :	9 777
Mouse	27 652	GO Biological Process :	9 696
Rat	25 574	GO Cellular Component :	10 020

Probes having external reference link

Uniprot/SWISSPROT	622
UniGene	9 801
RefSeq_peptide	710

