



## cow oligo annotation / version 6

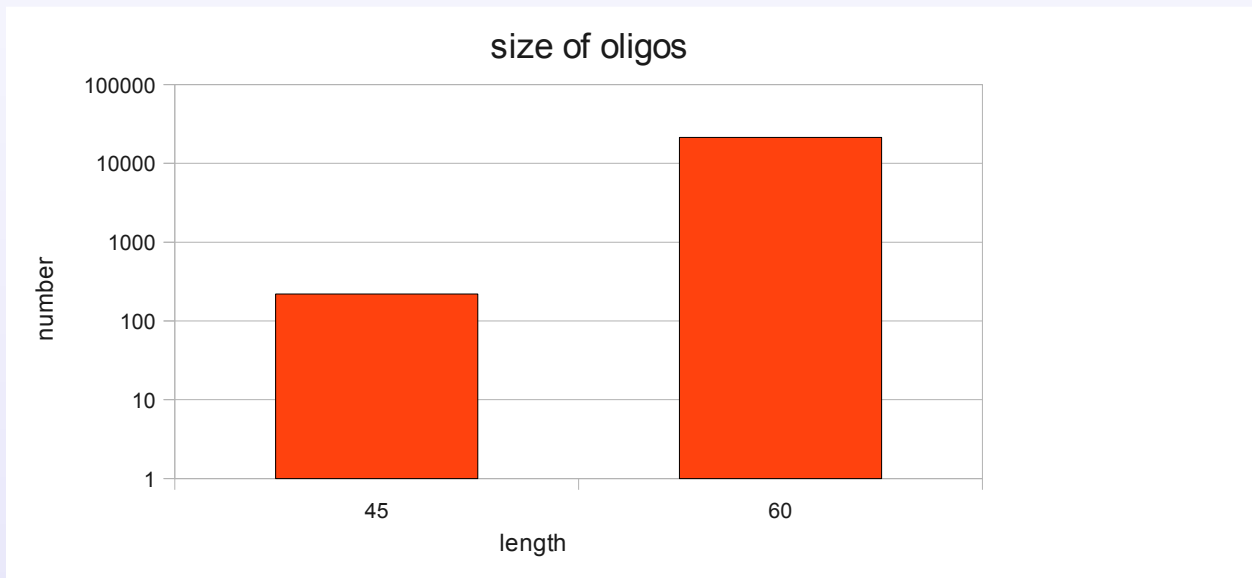
Jun 14th 2010 / [sigenasupport\[at\]jouy.inra.fr](mailto:sigenasupport@jouy.inra.fr)

### Oligo-Set reference :

part number *G2519F*  
release date *11/30/2006*  
design ID *015354*  
format *44K*  
manufacturer *agilent*

## Length of oligos.

Organism: *cow*  
Number of Oligo : *21475*



## Sequences on which oligos have been designed:

Agilent's Bovine Oligo - 4X44K microarray covers 21,475 unique

ID GEO:

GPL7053

ID ArrayExpress :

## Annotation information

Genome assembly :  
Gene build  
Ensembl version

Btau\_4.0, Oct 2007  
Ensembl, Jan 2009  
56, October 2009





## 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

### No hit > 85%

-No noise 9543  
 -1 noise <20 bp 387(\*)  
 -1 noise >20 bp 463 (\*)  
 -Many noise 141

### 1 hit > 85%

-No noise 10197(\*)  
 -With noise 266(\*)

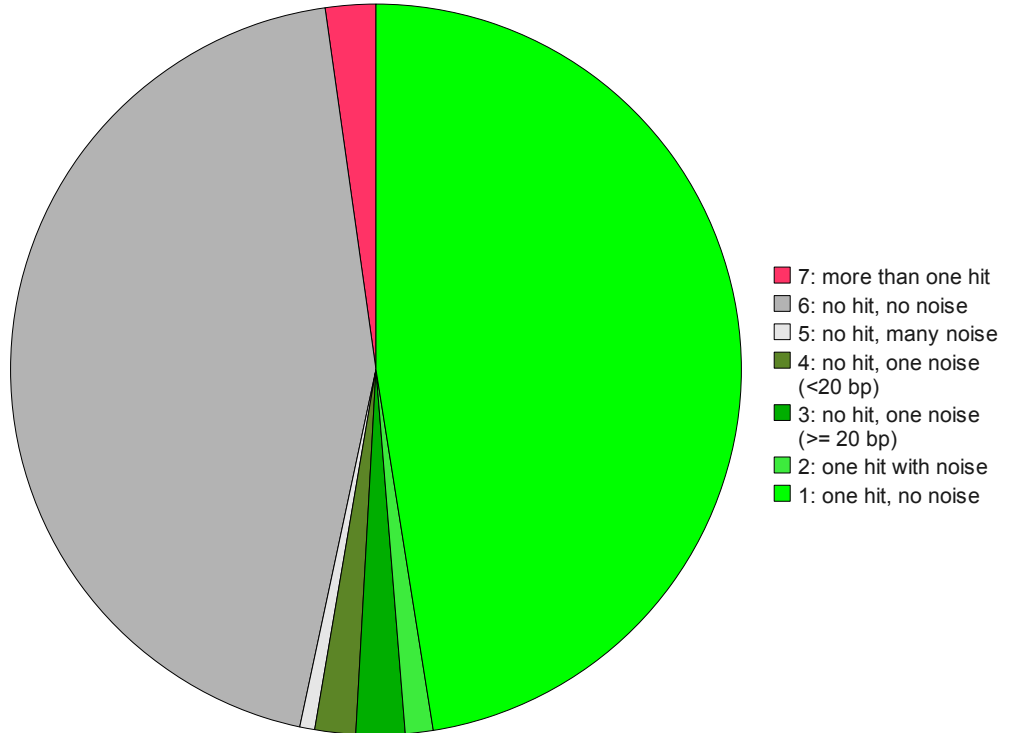
### More than 1 hit

-With & without noise 478

(\*): can be annotated.

Total: 11313

oligo classification



## Gene coverage

The oligos which can be linked to a gene correspond to 10512 different genes.

## Probes annotated with orthologous Ensembl genes and Gene Ontology

Human 9717  
 Mouse 9453  
 Rat 8902

GO Molecular Function : 8954  
 GO Biological Process : 7789  
 GO Cellular Component : 7780

## Probes having external reference link

Uniprot/SWISSPROT 10186  
 UniGene 10499  
 RefSeq\_peptide 10512

