



## Sheep oligo annotation / Version 5

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### 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

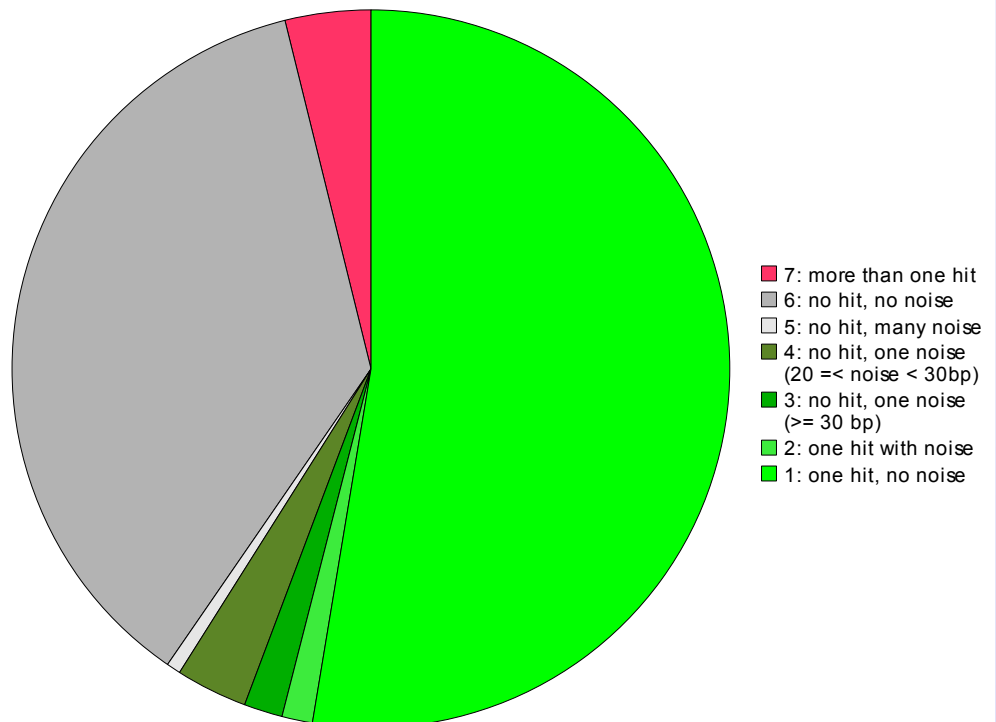
Sequences on which oligos have been designed:

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 & < 30bp | 484 (*) |
| -1 noise >30 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, Oct 2007 |
| Gene build        | Ensembl, Jan 2009  |
| Ensembl version   | 56, Oct 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 | 7 770 | GO Molecular Function : | 7 110 |
| Mouse | 7 569 | GO Biological Process : | 6 238 |
| Rat   | 7 086 | GO Cellular Component : | 6 377 |

## Probes having external reference link

|                   |       |
|-------------------|-------|
| Uniprot/SWISSPROT | 3 855 |
| UniGene           | 7 432 |
| RefSeq_peptide    | 6 266 |
| HGNC              | 7 624 |

