

Items listed in the PrimerArray Gene List

Well ID:

Position on a 96-well plate

Row:

Row position on PrimerArray plate, shown with letters; A- H

Column:

Column position on PrimerArray plate, shown with numbers; 1-12

Primer Set ID:

ID specific to each primer set

GeneID:

ID of NCBI Entrez Gene (former LocusLink)

Symbol:

Official Symbol listed in Entrez Gene

Description:

Gene name registered in Entrez Gene

Genebank Acc:

Accession number registered in NCBI GenBank

Gene size:

Length of target gene to be designed

Position:

Position located at almost the center of amplified region. Works as a guideline of the amplified region, considering that region is around 100 bp.

Oligo dT, Random 6 mers:

Recommended primer for reverse transcription

Exon junction:

Ratio of [Number of exon junction included in amplified region]/[Total number of exon junction] If the position of the exon-junction cannot be determined due to unsuccessful mapping of the target gene to genome, it is shown as "unknown".

Variants:

Accession No. of a transcript variant which could be amplified in addition to the target gene. This system excludes primers which amplify other genes other than the target gene, but the ones able to amplify transcript variants will remain.

Variants cover ratio:

Ratio of [No. of variants which can amplify]/[Total No. of variants].

X/X is a primer common to all variants, 1/X is a primer specific to the gene searched.

(Variants are based on GenBank, and they are shown with GenBank accession no. in the column "Variant" in the table. The shown variants are the genes registered in GenBank, excluding the ones registered in RefSeq (This is real target gene shown in Gene ID)).

For example,

1/1: primer specific to the gene registered

3/3: primer covers both target gene and all variants

3/4; primer covers all genes except one variant

1/4; primer is specific to target gene only, does not cover any variants.