Searched OMIM.org for "huntington's disease". Recorded the five identifiers (six-digit numbers) of those five records. The corresponding biomaRt filter name for these identifiers is "mim_morbid_accession". Used biomaRt to retrieve two tables with the following attributes, limiting to the five MIM values I found:

Top 5 MIM values found: 603218, 604802, 143100, 606438, 607136.

First table (2 points) Entrez Gene ID HGNC symbol Ensembl Gene ID

First Table:

	entrezgene_id		ensembl_gene_id
1	3064	HTT	ENSG00000197386
2	5621	PRNP	ENSG00000171867
3	57338	JPH3	ENSG00000154118
4	6908	TBP	ENSG00000112592

Second table (2 points) HGNC symbol Ensembl Gene ID Ensembl Transcript ID

Second Table:

```
hgnc_symbol ensembl_gene_id ensembl_transcript_id
1
           HTT ENSG00000197386
                                   ENST00000680239
2
           HTT ENSG00000197386
                                     ENST00000680956
3
           HTT ENSG00000197386
                                     ENST00000680360
4
           HTT ENSG00000197386
                                     ENST00000681528
5
           HTT ENSG00000197386
                                     ENST00000647962
6
                                     ENST00000649900
           HTT ENSG00000197386
7
           HTT ENSG00000197386
                                     ENST00000680291
8
           HTT ENSG00000197386
                                     ENST00000355072
9
           HTT ENSG00000197386
                                     ENST00000648150
10
           HTT ENSG00000197386
                                     ENST00000506137
11
           HTT ENSG00000197386
                                     ENST00000512909
12
          HTT ENSG00000197386
                                     ENST00000510626
13
          HTT ENSG00000197386
                                     ENST00000649131
14
          HTT ENSG00000197386
                                     ENST00000509618
15
                                     ENST00000650588
          HTT ENSG00000197386
16
          HTT ENSG00000197386
                                     ENST00000650595
17
           HTT ENSG00000197386
                                     ENST00000513639
18
           HTT ENSG00000197386
                                     ENST00000513326
19
           HTT ENSG00000197386
                                     ENST00000509043
20
           HTT ENSG00000197386
                                     ENST00000509751
21
           HTT ENSG00000197386
                                     ENST00000512068
22
          HTT ENSG00000197386
                                     ENST00000513806
23
          HTT ENSG00000197386
                                     ENST00000508321
24
          PRNP ENSG00000171867
                                     ENST00000430350
25
          PRNP ENSG00000171867
                                     ENST00000379440
26
          PRNP ENSG00000171867
                                     ENST00000424424
27
          PRNP ENSG00000171867
                                     ENST00000457586
28
          JPH3 ENSG00000154118
                                     ENST00000537256
29
         JPH3 ENSG00000154118
                                     ENST00000301008
30
         JPH3 ENSG00000154118
                                     ENST00000284262
31
         JPH3 ENSG00000154118
                                     ENST00000563609
32
          TBP ENSG00000112592
                                     ENST00000421512
33
           TBP ENSG00000112592
                                     ENST00000230354
34
           TBP ENSG00000112592
                                     ENST00000423353
35
           TBP ENSG00000112592
                                     ENST00000636632
           TBP ENSG00000112592
36
                                     ENST00000446829
37
           TBP ENSG00000112592
                                     ENST00000392092
38
           TBP ENSG00000112592
                                     ENST00000540980
39
           TBP ENSG00000112592
                                     ENST00000616883
```

R Code (*also submitted separately as a file):

- > if (!requireNamespace("BiocManager", quietly = TRUE))
- + install.packages("BiocManager")
- > BiocManager::install("biomaRt")
- > library(biomaRt)
- > listMarts()
- > ensembl = useMart("ensembl", dataset="hsapiens_gene_ensembl")

#first table

```
>getBM(attributes=c("entrezgene_id","hgnc_symbol","ensembl_gene_id"), filters="mim_morbid_accession", values=c("603218", "604802", "143100", "606438", "607136"), mart=ensembl)
```

#second table

```
>getBM(attributes=c("hgnc_symbol","ensembl_gene_id", "ensembl_transcript_id"), filters="mim_morbid_accession", values=c("603218", "604802", "143100", "606438", "607136"), mart=ensembl)
```

Last two points, different number of rows:

The second table contains more rows because the third column, "ensembl_transcript_id", contains multiple entries for the same gene. The multiple entries for that column reflect the multiple transcripts available for the specific genes, as there is more than just one transcript recorded for each of those genes.