

ensembl_ids and genomic_context of a variant

muazzezcelebi

2023-07-04

Packages

rs137931178 as an example

I have checked rs137931178.

HCG23 and LOC105379657 are available in the ensembl_ids segment although none of them is in the genomic_context segment.

```
rs137931178 <- gwasrapidd::get_variants(variant_id = "rs137931178")  
  
unique_genes_of_rs137931178_in_genomic_context <- unique(rs137931178@genomic_contexts$gene_name)  
  
unique_genes_of_rs137931178_in_ensembl_ids <- unique(rs137931178@ensembl_ids$gene_name)  
  
genes_of_genomic_context_of_rs137931178_not_in_ensembl_ids_rs137931178 <- setdiff(unique_genes_of_rs137931178_in_genomic_context, unique_genes_of_rs137931178_in_ensembl_ids)  
  
print(genes_of_genomic_context_of_rs137931178_not_in_ensembl_ids_rs137931178)
```

```
## [1] "HCG23" "LOC105379657"
```

```
genes_of_ensembl_ids_of_rs137931178_not_in_genomic_context_rs137931178 <- setdiff(unique_genes_of_rs137931178_in_ensembl_ids, unique_genes_of_rs137931178_in_genomic_context)  
  
print(genes_of_ensembl_ids_of_rs137931178_not_in_genomic_context_rs137931178)
```

```
## character(0)
```

```
# rs137931178@genomic_contexts %>% dplyr::filter(gene_name == "HCG23")
```

```
# rs137931178@genomic_contexts %>% dplyr::filter(gene_name == "LOC105379657")
```