This page is under construction...

It is meant to document both the annotation process and the resulting data accessible via the cosmoss.org interfaces.

You can browse V3.3 using gbrowse: http://www.cosmoss.org/fgb2/gbrowse/V3.3/

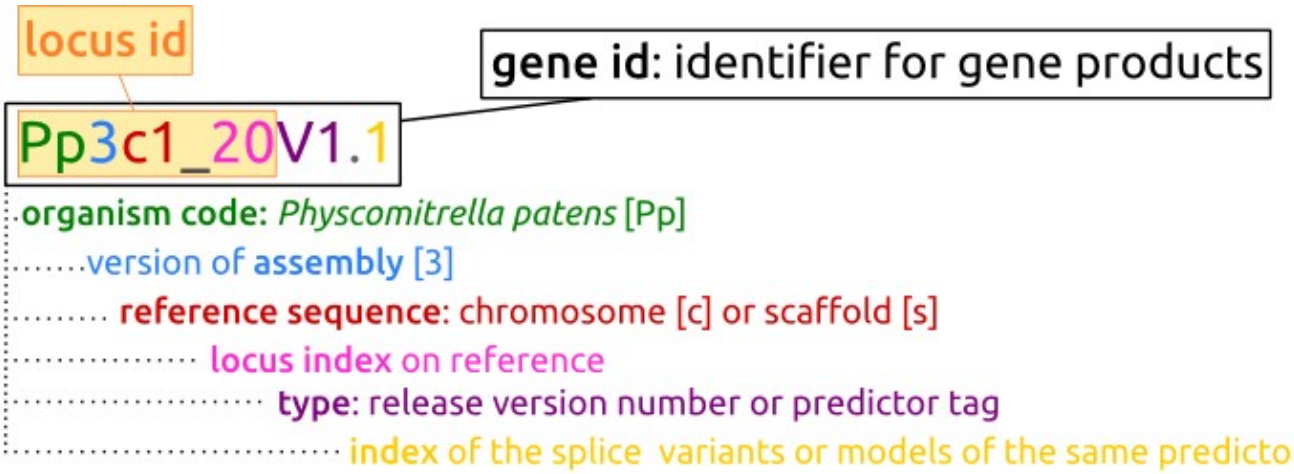
# The *Physcomitrella patens* V3.3 genome annotation

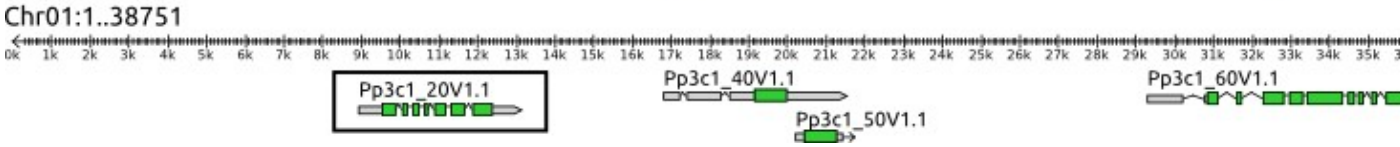
## Improved Locus Definition - cosmoss.org gene ids (CGIs)

CGIs provide the unique address of a gene (protein-coding and non-protein-coding genes) on a respective assembly. CGIs also function as primary IDs/accession numbers to access genes and gene products in V3.3. On the V3 assembly CGIs can either be localized on pseudo-chromosomes or scaffolds. Locus ids are ordered from 5' to the 3' end of the reference sequence.

### CGI Syntax

Like a German car licence plate, the CGI carries a lot of information about the gene product you're looking at: Comprising the fields species, assembly version, reference sequence, locus index, type and (sequence) index.


locus id
gene id: identifier for gene products
Pp3c1_20V1.1
organism code: Physcomitrella patens [Pp]
version of assembly [3]
reference sequence: chromosome [c] or scaffold [s]
locus index on reference
type: release version number or predictor tag
index of the splice variants or models of the same predicto


Chr01:1..38751
Pp3c1_20V1.1
Pp3c1_40V1.1
Pp3c1_50V1.1
Pp3c1_60V1.1