

## IDG Metadata Specifications for:

### DNA construct

**Importance** 1: Required, 2: Required if available, 3: Optional

IDG Field Name	Definition	Importance
Vector_ID	Assigned identifier for vector	1
Vector_type	Experimental use of vector (yeast assay, PRESTO, CRISPR)	1
Empty	State whether vector is empty control	1
Promoter	Promoter type used in vector (e.g. CMV)	1
Ga_chimeric	G(alpha) chimeric protein included in vector (for yeast)	2
Chimeric_Uni	UniProt ID of g(alpha) chimeric protein (for yeast)	2
oGPCR	Orphan GPCR name included (for yeast)	2
oGPCR_Uni	UniProt ID of oGPCR (for yeast)	2
tTA_TEV	UniProt ID of oGPCR for PRESTO assay, fused with TEV site and tTA	2
Presto_protease	UniProt ID of protease utilized for PRESTO assay, TEV fusion	2
sgRNA_sequence	Sequence of sgRNA contained within construct	1
Target	UniProt ID of targeted gene to silence	1
Tag	Type of tag included in construct (GFP, lacZ, etc.)	1
Vector_backbone_id	ID for the backbone of the vector (e.g. pSpCas9(BB)-2A-Puro (PX459) V2.0)	2