Release Notes for BAO version 2.8.1

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### About BAO

The BioAssay Ontology (BAO) has been developed to formally describe biological screening assays and their results including high-throughput screening (HTS) data; specifically in the domain of small molecule drug and probe development. BAO enables categorization of assays and results by based on several concepts that are important to interpret and analyze screening data with the goal to infer the mechanism of action of small molecules based on the known aggregate screening results from many assays.

### Changes in BAO v 2.8.1

Curated annotations for ADME set of bioassays cardinality restriction for

* has cell line (38) (<https://github.com/BioAssayOntology/BAO/issues/68>)
  + external CLO module
  + 29 HEK293 cell line (<http://purl.obolibrary.org/obo/CLO_0001230>)
  + 5 MDCK cell line (<http://purl.obolibrary.org/obo/CLO_0007646>)

### Change control tables for ADME cardinality restrictions (SEED)

Table 1. Curated annotations for 38 bioassays ADME cardinality restriction for cell line

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| BAO ID | BAO label | BAO property label | BAO ID | restriction | CLO ID |
| BAO\_0010191 | BCRP inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010208 | BCRP substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010208 | BCRP substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0007646 |
| BAO\_0010190 | BSEP inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010194 | MATE1 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010209 | MATE1 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010195 | MATE2 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010210 | MATE2 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010086 | MDCK permeability assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0007646 |
| BAO\_0010085 | MDCK-BCRP permeability assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0007646 |
| BAO\_0010192 | MRP2 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010197 | OAT1 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010212 | OAT1 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010198 | OAT2 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010213 | OAT2 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010199 | OAT3 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010214 | OAT3 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010200 | OATP1B1 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010215 | OATP1B1 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010201 | OATP1B3 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010216 | OATP1B3 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010219 | OATP2B1 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010202 | OCT1 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010217 | OCT1 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010203 | OCT2 inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010218 | OCT2 substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010193 | P-gp inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010206 | P-gp substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010206 | P-gp substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0007646 |
| BAO\_0010188 | transporter inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010188 | transporter inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0002462 |
| BAO\_0010204 | transporter substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010204 | transporter substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0007646 |
| BAO\_0010204 | transporter substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0002462 |
| BAO\_0010196 | uptake transporter inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010196 | uptake transporter inhibition assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0002462 |
| BAO\_0010211 | uptake transporter substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0001230 |
| BAO\_0010211 | uptake transporter substrate assay | has\_cell\_line | BAO\_0002004 | some | CLO\_0002462 |

### Public Location:

[http://www.bioassayontology.org/bao](http://www.bioassayontology.org/bao/bao_complete.owl)

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