

# Clinical Variant Solr Schema

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<!-- Clinical analysis -->

<field name="cald" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="caDisorderId" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="caFiles" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="caProbandId" type="string" indexed="true" stored="true" multiValued="false"/>

<!-- caProbandPhenotypes contains both phenotype ID and name -->
<field name="caProbandPhenotypes" type="string" indexed="true" stored="true" multiValued="true"/>

<!-- caProbandDisorders contains both disorder ID and name -->
<field name="caProbandDisorders" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="caFamilyId" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="caFamilyMemberIds" type="string" indexed="true" stored="true" multiValued="true"/>

<!-- calnfo contains:
      description : DS - description text
      comments : CM - type - author - text
      CM - ...
-->
<field name="calnfo" type="text_en" indexed="true" stored="true" multiValued="true"/>

<!-- caJson contain all info about clinical analysis but the list of interpretations -->
<field name="caJson" type="string" indexed="false" stored="true" multiValued="false"/>

<!-- Interpretation -->

<field name="intId" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="intStatus" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="intSoftwareName" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="intSoftwareVersion" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="intAnalystName" type="string" indexed="true" stored="true" multiValued="false"/>

<!-- intPanels contains both panel ID and name -->
<field name="intPanels" type="string" indexed="true" stored="true" multiValued="true"/>

<!-- Interpretation intInfo contains:
      description : DS - description text
      analyst : AN - author - email - company
      dependencies : DP - name - version
      DP - ...
      filters : FT - conservation=gerp<0.2
      FT - ...
      comments : CM - type - author - text
      CM - ...
      attributes : AT - key=value
      AT - ...
-->
<field name="intInfo" type="text_en" indexed="true" stored="true" multiValued="true"/>

<field name="intCreationDate" type="long" indexed="true" stored="true" multiValued="false"/>

<!-- Creation year, month and day will be used for facets -->
<field name="intCreationYear" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="intCreationMonth" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="intCreationDay" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="intCreationDayOfWeek" type="string" indexed="true" stored="true" multiValued="false"/>

<!-- Catalog attributes -->
<field name="projectId" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="assembly" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="studyId" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="studyJson" type="string" indexed="false" stored="true" multiValued="false"/>
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<!-- ReportedVariant -->
<field name="rvPrimaryFinding" type="boolean" indexed="true" stored="true" multiValued="false"/>
<field name="rvStatus" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="rvDeNovoQualityScore" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="rvComments" type="text_en" indexed="true" stored="true" multiValued="true"/>
<field name="rvReportedEventsJson" type="string" indexed="false" stored="true" multiValued="false"/>
<field name="rvAttributesJson" type="string" indexed="false" stored="true" multiValued="false"/>

<!-- ReportedEvent -->
<field name="rePhenotypeNames" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reConsequenceTypeIds" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reGeneNames" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reXrefs" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="rePanelIds" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reAcmg" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reClinicalSignificance" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reDrugResponse" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reTraitAssociation" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reFunctionalEffect" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reTumorigenesis" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reOtherClassification" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reRolesInCancer" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="reTier" type="string" indexed="true" stored="true" multiValued="true"/>
<!-- The field reAux will help us to query by combining multiple reported event fields: genes, panels, acgm,... -->
<field name="reAux" type="string" indexed="true" stored="true" multiValued="true"/>
<dynamicField name="reJustification_*" type="text_en" indexed="true" stored="true" multiValued="true"/>
<!--
<dynamicField name="reScore_*" type="double" indexed="true" stored="true" multiValued="true"/>
-->

<!-- Variant fields copied from OpenCGA -->
<field name="variantId" type="string" indexed="false" stored="true" multiValued="false"/>
<field name="chromosome" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="start" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="end" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="xrefs" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="type" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="release" type="int" indexed="true" stored="true" multiValued="false"/>
<field name="studies" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="phastCons" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="phyloP" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="gerp" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="caddRaw" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="caddScaled" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="sift" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="siftDesc" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="polyphen" type="double" indexed="true" stored="true" multiValued="false"/>
<field name="polyphenDesc" type="string" indexed="true" stored="true" multiValued="false"/>
<field name="genes" type="string" indexed="false" stored="true" multiValued="true"/>
<field name="biotypes" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="soAcc" type="int" indexed="true" stored="true" multiValued="true"/>
<field name="geneToSoAcc" type="string" indexed="true" stored="true" multiValued="true"/>
<field name="traits" type="text_en" indexed="true" stored="true" multiValued="true"/>
<field name="other" type="string" indexed="false" stored="true" multiValued="true"/>
<dynamicField name="stats_*" type="float" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="popFreq_*" type="float" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="gt_*" type="string" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="dp_*" type="int" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="sampleFormat_*" type="string" indexed="false" stored="true" multiValued="false"/>
<dynamicField name="qual_*" type="float" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="filter_*" type="string" indexed="true" stored="true" multiValued="false"/>
<dynamicField name="fileInfo_*" type="string" indexed="false" stored="true" multiValued="false"/>

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