<table>
<thead>
<tr>
<th>Query sequence</th>
<th>BLAST search results for specific database</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>GO – GOA annotation colour code:</strong></td>
</tr>
<tr>
<td></td>
<td>molecular function - green,</td>
</tr>
<tr>
<td></td>
<td>biological process - red,</td>
</tr>
<tr>
<td></td>
<td>cellular component - yellow</td>
</tr>
</tbody>
</table>

**DNA Binding**
- GO:0003677
- GO:0003709
- GO:0004871
- GO:0005869

**Regulation of transcription, DNA-dependent**
- GO:0006355

**Acute-phase response**
- GO:0001655

**Intracellular signaling cascade**
- GO:0007242

JAK-STAT signaling pathway
- GO:0007259

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**Access Annotation target sequence at NCBI**

**GO/GOA annotation colour code**
- Molecular function (green)
- Biological process (red)
- Cellular component (yellow)

**Access BLAST hit alignment**
- Percentage identity: 90-100%, 70-90%, 50-70%, and 0-50%
- Length of alignment as % overlap and in bases