# Metadata Report

## July 15, 2025

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### 1 Gene: ACIB2EUKG767780

| Field         | Value  |
|---------------|--|
| Accession     | LT962476.2   |
| Organism      | Komagataella phaffii CBS 7435  |
| Length        | 2895357  |
| Molecule Type | DNA  |
| Description   | Komagataella phaffii CBS 7435 genome assembly, chromosome: 1                       |
| Keywords      |  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes, Pichiales, |
| Ţ.            | Pichiaceae, Komagataella   |

### 2 Gene: ADE12

| Field         | Value   |
|---------------|---|
| Accession     | JAWRVE010000296.1   |
| Organism      | Diaporthe australafricana   |
| Length        | 20257   |
| Molecule Type | DNA   |
| Description   | Diaporthe australafricana strain CMW 18300 Scaffold_296, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,       |
|               | Sordariomycetidae, Diaporthales, Diaporthaceae, Diaporthe                     |

## 3 Gene: AGE2

| Field         | Value  |
|---------------|--|
| Accession     | JAWDJ0010000126.1  |
| Organism      | Ceratocystis pirilliformis   |
| Length        | 68192  |
| Molecule Type | DNA  |
| Description   | Ceratocystis pirilliformis strain CMW 12675 Scaffold_126, whole genome shotgun |
|               | sequence   |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,        |
|               | Hypocreomycetidae, Microascales, Ceratocystidaceae, Ceratocystis               |

### 4 Gene: ALS3

| Field         | Value   |
|---------------|---|
| Accession     | JBNDNM010000001.1   |
| Organism      | Candidozyma auris   |
| Length        | 780289  |
| Molecule Type | DNA   |
| Description   | Candidozyma auris strain SI-CAU-1199 contig_32, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,       |
| *             | Metschnikowiaceae Candidozyma   |

| Field         | Value   |
|---------------|---|
| Accession     | JBNDNR010000009.1   |
| Organism      | Candidozyma auris   |
| Length        | 773430  |
| Molecule Type | DNA   |
| Description   | Candidozyma auris strain SI-CAU-390 contig_104, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,       |
| •             | Metschnikowiaceae, Candidozyma  |

## 5 Gene: ARN1

| Field         | Value  |
|---------------|--|
| Accession     | JBNDNP010000003.1  |
| Organism      | Candidozyma auris  |
| Length        | 776716   |
| Molecule Type | DNA  |
| Description   | Candidozyma auris strain SI-CAU-503 contig_63, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,      |
|               | Metschnikowiaceae, Candidozyma   |

## 6 Gene: ATG11

| Value  |
|--|
| JBFUUI010000098.1  |
| Colletotrichum sp. CLE4  |
| 135609   |
| DNA  |
| Colletotrichum sp. CLE4 scaffold_98, whole genome shotgun sequence   |
| WGS  |
| Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, Hypocreomycetidae, Glomerellales, Glomerellaceae, Colletotrichum |
|  |

## 7 Gene: AYR1\_2

| Field         | Value  |
|---------------|--|
| Accession     | JBKOTY010000003.1  |
| Organism      | Lecanora helva   |
| Length        | 3154666  |
| Molecule Type | DNA  |
| Description   | Lecanora helva strain VPMG_37 scaffold.7_3, whole genome shotgun sequence      |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Lecanoromycetes, OSLEUM |
|               | clade, Lecanoromycetidae, Lecanorales, Lecanorineae, Lecanoraceae, Lecanora    |

### 8 Gene: BGL1

| Field         | Value  |
|---------------|--|
| Accession     | JBNDNN010000004.1  |
| Organism      | Candidozyma auris  |
| Length        | 779665   |
| Molecule Type | DNA  |
| Description   | Candidozyma auris strain SI-CAU-672 contig_40, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,      |
|               | Metschnikowiaceae, Candidozyma   |

## 9 Gene: BGL1\_2

| Field         | Value  |
|---------------|--|
| Accession     | JBNDNO010000004.1  |
| Organism      | Candidozyma auris  |
| Length        | 779708   |
| Molecule Type | DNA  |
| Description   | Candidozyma auris strain SI-CAU-605 contig_19, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,      |
| ·             | Metschnikowiaceae, Candidozyma   |

## 10 Gene: CCDC39\_1

| Field         | Value  |
|---------------|--|
| Accession     | JBJKFK010000204.1  |
| Organism      | Cichlidogyrus casuarinus   |
| Length        | 37423  |
| Molecule Type | DNA  |
| Description   | Cichlidogyrus casuarinus isolate EGGRZ-B1_66 Ccasu_204, whole genome shotgun |
|               | sequence   |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Metazoa, Spiralia, Lophotrochozoa, Platyhelminthes, Monogenea,    |
|               | Monopisthocotylea, Dactylogyridea, Ancyrocephalidae, Cichlidogyrus           |

### 11 Gene: CDC16

| Field         | Value   |
|---------------|---|
| Accession     | OZ188521.1  |
| Organism      | Monosporozyma servazzii   |
| Length        | 901057  |
| Molecule Type | DNA   |
| Description   | Monosporozyma servazzii genome assembly, chromosome: H                    |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes, |
| v             | Saccharomycetales, Saccharomycetaceae, Monosporozyma                      |

### 12 Gene: CDC9

| Field         | Value   |
|---------------|---|
| Accession     | OZ262464.1  |
| Organism      | Diutina rugosa  |
| Length        | 1704689   |
| Molecule Type | DNA   |
| Description   | Diutina rugosa strain CBS613 genome assembly, chromosome: B             |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes, |
|               | Debaryomycetaceae, Diutina  |

## 13 Gene: COS3

| ${f Field}$   | Value  |
|---------------|--|
| Accession     | BK006946.2   |
| Organism      | Saccharomyces cerevisiae S288C   |
| Length        | 924431   |
| Molecule Type | DNA  |
| Description   | TPA_inf: Saccharomyces cerevisiae S288C chromosome XIII, complete sequence |
| Keywords      | Third Party Data, TPA, TPA:inferential                                     |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes,  |
|               | Saccharomycetales, Saccharomycetaceae, Saccharomyces                       |

## 14 Gene: COS7

| Field         | Value   |
|---------------|---|
| Accession     | CP042233.1  |
| Organism      | Saccharomyces cerevisiae  |
| Length        | 918755  |
| Molecule Type | DNA   |
| Description   | Saccharomyces cerevisiae strain AA1 chromosome 13                         |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes, |
|               | Saccharomycetales, Saccharomycetaceae, Saccharomyces                      |

## 15 Gene: DLH2

| Field         | Value   |
|---------------|---|
| Accession     | JBJHSE010000001.1   |
| Organism      | Fusarium poae   |
| Length        | 12048428  |
| Molecule Type | DNA   |
| Description   | Fusarium poae strain Fp133 chromosome 1, whole genome shotgun sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, |
| ·             | Hypocreomycetidae, Hypocreales, Nectriaceae, Fusarium                   |

## 16 Gene: DUSP3

| Field         | Value   |
|---------------|---|
| Accession     | JAIQCP010000010.1   |
| Organism      | Arapaima gigas  |
| Length        | 26053404  |
| Molecule Type | DNA   |
| Description   | Arapaima gigas isolate ID F3 chromosome 10, whole genome shotgun sequence         |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, |
|               | Osteoglossidae, Arapaima  |

## 17 Gene: ERG20

| Field         | Value   |
|---------------|---|
| Accession     | JBKABK010000006.1   |
| Organism      | Pyricularia oryzae  |
| Length        | 6072706   |
| Molecule Type | DNA   |
| Description   | Pyricularia oryzae isolate Py 15.1.011 chromosome 6, whole genome shotgun sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia |

| Field         | Value   |
|---------------|---|
| Accession     | JBKABJ010000006.1   |
| Organism      | Pyricularia oryzae  |
| Length        | 5939575   |
| Molecule Type | DNA   |
| Description   | Pyricularia oryzae isolate Py 15.1.018 chromosome 6, whole genome shotgun sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia |

| Field         | Value  |
|---------------|--|
| Accession     | JBKABI010000006.1  |
| Organism      | Pyricularia oryzae   |
| Length        | 6054307  |
| Molecule Type | DNA  |
| Description   | Pyricularia oryzae isolate Py 15.1.028 chromosome 6, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia                    |

| Field         | Value  |
|---------------|--|
| Accession     | JBKABL010000006.1  |
| Organism      | Pyricularia oryzae   |
| Length        | 6041258  |
| Molecule Type | DNA  |
| Description   | Pyricularia oryzae isolate Py 13.1.021 chromosome 6, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
| v             | Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia                    |

| Field         | Value  |
|---------------|--|
| Accession     | JBKABG01000006.1   |
| Organism      | Pyricularia oryzae   |
| Length        | 6061630  |
| Molecule Type | DNA  |
| Description   | Pyricularia oryzae isolate Py 17.1.010 chromosome 6, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia                    |

| Field         | Value  |
|---------------|--|
| Accession     | JBKABM01000006.1   |
| Organism      | Pyricularia oryzae   |
| Length        | 5895648  |
| Molecule Type | DNA  |
| Description   | Pyricularia oryzae isolate Py 13.1.002 chromosome 6, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia                    |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | JBKABH010000006.1  |
| Organism      | Pyricularia oryzae   |
| Length        | 6072652  |
| Molecule Type | DNA  |
| Description   | Pyricularia oryzae isolate Py 17.1.008 chromosome 6, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Magnaporthales, Pyriculariaceae, Pyricularia                    |

## 18 Gene: FBA1

| Field         | Value  |
|---------------|--|
| Accession     | JBBBZM010000111.1  |
| Organism      | Discina gigas  |
| Length        | 129430   |
| Molecule Type | DNA  |
| Description   | Discina gigas strain ACD0624 scaffold 111, whole genome shotgun sequence         |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Pezizomycetes, Pezizales, |
| •             | Discinaceae, Discina   |

## 19 Gene: FRS1

| Field         | Value  |
|---------------|--|
| Accession     | JBJJNR010000002.1  |
| Organism      | Malassezia pachydermatis   |
| Length        | 1741169  |
| Molecule Type | DNA  |
| Description   | Malassezia pachydermatis strain ATCC 14522 (CBS 1879) chromosome 2, whole genome |
|               | shotgun sequence   |
| Keywords      | WGS  |

#### Gene: G6PC3 **20**

| Field         | Value   |
|---------------|---|
| Accession     | JAIQCP010000013.1   |
| Organism      | Arapaima gigas  |
| Length        | 24166628  |
| Molecule Type | DNA   |
| Description   | Arapaima gigas isolate ID F3 chromosome 13, whole genome shotgun sequence         |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, |
|               | Osteoglossidae, Arapaima  |

## 21 Gene: GCV2

| Field         | Value   |
|---------------|---|
| Accession     | JAKEKT020000004.1   |
| Organism      | Diplodia intermedia   |
| Length        | 742941  |
| Molecule Type | DNA   |
| Description   | Diplodia intermedia strain M45-28 scaffold_4, whole genome shotgun sequence   |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes, Dothideomycetes incertae sedis, Botryosphaeriales, Botryosphaeriaceae, Diplodia |

#### Gene: GUT1\_4 **22**

| Field         | Value  |
|---------------|--|
| Accession     | JBBXJM010000006.1  |
| Organism      | Vanrija albida   |
| Length        | 2511085  |
| Molecule Type | DNA  |
| Description   | Vanrija albida strain AlHP1 contig_6, whole genome shotgun sequence  |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Basidiomycota, Agaricomycotina, Tremellomycetes, Trichosporonales, Trichosporonaceae, Vanrija |

#### Gene: HHF1\_4 **23**

| Field | Value |
|-------|-------|

Accession

Organism

Cystobasidiomycetes sp. EMM\_F5

Length

Molecule Type

Description

Cystobasidiomycetes sp. EMM\_F5 scaffold\_59, whole genome shotgun sequence

Keywords

WGS

Taxonomy

Eukaryota, Fungi, Dikarya, Basidiomycota, Pucciniomycotina, Cystobasidiomycetes

### 24 Gene: HXT6

| Value   |
|---|
| OZ188218.1  |
| Monosporozyma unispora  |
| 919729  |
| DNA   |
| Monosporozyma unispora genome assembly, chromosome: J                     |
|   |
| Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes, |
| Saccharomycetales, Saccharomycetaceae, Monosporozyma                      |
|   |

## 25 Gene: IPI3

| Field         | Value   |
|---------------|---|
| Accession     | JBAHYK010000030.1   |
| Organism      | Marasmius crinis-equi   |
| Length        | 120529  |
| Molecule Type | DNA   |
| Description   | Marasmius crinis-equi strain GH-76 gh76_000030, whole genome shotgun sequence   |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Basidiomycota, Agaricomycotina, Agaricomycetes,<br>Agaricomycetidae, Agaricales, Marasmiineae, Marasmiaceae, Marasmius |

### 26 Gene: IRS4

| Field         | Value  |
|---------------|--|
| Accession     | CAWUHA010000007.1  |
| Organism      | Sporothrix eucalyptigena   |
| Length        | 525197   |
| Molecule Type | DNA  |
| Description   | Sporothrix eucalyptigena genome assembly, contig: scaffold_7, whole genome shotgun |
|               | sequence   |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                   |

## 27 Gene: JID1\_1

| Field         | Value  |
|---------------|--|
| Accession     | CP166482.1   |
| Organism      | Aspergillus tubingensis  |
| Length        | 6137164  |
| Molecule Type | DNA  |
| Description   | Aspergillus tubingensis strain DFA chromosome 1                                |
| Keywords      |  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes,         |
|               | Eurotiomycetidae, Eurotiales, Aspergillaceae, Aspergillus, Aspergillus subgen. |
|               | Circumdati   |

### 28 Gene: LCB4

| Field         | Value   |
|---------------|---|
| Accession     | CP156180.1  |
| Organism      | Hypoxylon texense   |
| Length        | 5413564   |
| Molecule Type | DNA   |
| Description   | Hypoxylon texense strain DSM 107933 chromosome 3                        |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, |
| Ţ.            | Xylariomycetidae, Xylariales, Hypoxylaceae, Hypoxylon                   |

## 29 Gene: LCL3\_1

| Field         | Value   |
|---------------|---|
| Accession     | JBNDNK010000105.1   |
| Organism      | Candidozyma auris   |
| Length        | 128416  |
| Molecule Type | DNA   |
| Description   | Candidozyma auris strain SI-CAU-713 contig_654, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,       |
|               | Metschnikowiaceae, Candidozyma  |

### 30 Gene: LET1

| Field         | Value  |
|---------------|--|
| Accession     | JAKIXB020000007.1  |
| Organism      | Nothophoma quercina  |
| Length        | 1165732  |
| Molecule Type | DNA  |
| Description   | Nothophoma quercina strain M97-236 scaffold_7, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,      |
| v             | Pleosporomycetidae Pleosporales Pleosporineae Didymellaceae Nothophoma       |

## 31 Gene: MUP1\_1

| Field         | Value  |
|---------------|--|
| Accession     | BAAFSV010000001.1  |
| Organism      | Madurella fahalii  |
| Length        | 10295420   |
| Molecule Type | DNA  |
| Description   | Madurella fahalii IFM 68171 DNA, scaffold_1, whole genome shotgun sequence |
| Keywords      | WGS, STANDARD_DRAFT  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,    |
|               | Sordariomycetidae, Sordariales, Sordariales incertae sedis, Madurella      |
|               |  |

## 32 Gene: NHP10\_1

| Field         | Value   |
|---------------|---|
| Accession     | JBNDNL010000092.1   |
| Organism      | Candidozyma auris   |
| Length        | 503786  |
| Molecule Type | DNA   |
| Description   | Candidozyma auris strain SI-CAU-757 contig_681, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,       |
|               | Metschnikowiaceae, Candidozyma  |

## 33 Gene: OLA1

| Field         | Value  |
|---------------|--|
| Accession     | CAWUHE010000036.1  |
| Organism      | Sporothrix thermara  |
| Length        | 285080   |
| Molecule Type | DNA  |
| Description   | MAG: Sporothrix therman genome assembly, contig: scaffold_36, whole genome shotgun |
|               | sequence   |
| Keywords      | WGS, ENV, Metagenome Assembled Genome, MAG   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,            |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                   |

## 34 Gene: OXR1\_2

| Field         | Value  |
|---------------|--|
| Accession     | JBMQJI010000004.1  |
| Organism      | Coniothyrium glycines  |
| Length        | 713357   |
| Molecule Type | DNA  |
| Description   | Coniothyrium glycines isolate LW.SEE.SI scaff_4, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,        |
|               | Pleosporomycetidae, Pleosporales, Pleosporineae, Conjothyriaceae, Conjothyrium |

### 35 Gene: OYE1

| Field         | Value   |
|---------------|---|
| Accession     | OZ188524.1  |
| Organism      | Monosporozyma servazzii   |
| Length        | 1040374   |
| Molecule Type | DNA   |
| Description   | Monosporozyma servazzii genome assembly, chromosome: K                    |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes, |
|               | Saccharomycetales, Saccharomycetaceae, Monosporozyma                      |

### 36 Gene: PBY1

| Field         | Value  |
|---------------|--|
| Accession     | JBBMOB010000009.1  |
| Organism      | Rhinocladiella similis   |
| Length        | 1267032  |
| Molecule Type | DNA  |
| Description   | Rhinocladiella similis strain LABIOMMI1217 scaffold_9, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes,               |
|               | $Chaetothyriomycetidae,\ Chaetothyriales,\ Herpotrichiellaceae,\ Rhinocladiella$     |

### 37 Gene: PFA3

| Field         | Value  |
|---------------|--|
| Accession     | JBIHLN010000002.1  |
| Organism      | Talaromyces marneffei  |
| Length        | 6416306  |
| Molecule Type | DNA  |
| Description   | Talaromyces marneffei strain ATCC 18224 TMATCC002.1, whole genome shotgun    |
|               | sequence   |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes,       |
|               | Eurotiomycetidae, Eurotiales, Trichocomaceae, Talaromyces, Talaromyces sect. |
|               | Talaromyces  |

### 38 Gene: PGM2

| Field         | Value  |
|---------------|--|
| Accession     | XM_069014298.1   |
| Organism      | Aphelocoma coerulescens  |
| Length        | 4924   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Aphelocoma coerulescens phosphoglucomutase 2 (PGM2), mRNA             |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Corvoidea, Corvidae, Aphelocoma |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020786205.2  |
| Organism      | Pogona vitticeps  |
| Length        | 3252  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pogona vitticeps phosphoglucomutase 2 (PGM2), mRNA                   |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Iguania, Acrodonta,   |
|               | Agamidae, Amphibolurinae, Pogona  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066632528.1  |
| Organism      | Tiliqua scincoides  |
| Length        | 4798  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Tiliqua scincoides phosphoglucomutase 2 (PGM2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, |
|               | Squamata, Bifurcata, Unidentata, Scinciformata, Scincidae, Egerniinae, Tiliqua  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_060777833.2   |
| Organism      | Anolis sagrei  |
| Length        | 3100   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anolis sagrei phosphoglucomutase 2 (PGM2), mRNA                             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,        |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Iguania, Dactyloidae, Anolis |
|               |  |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_069202119.1  |
| Organism      | Pleurodeles waltl   |
| Length        | 2344  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pleurodeles waltl phosphoglucomutase 2 (PGM2), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,   |
|               | Batrachia, Caudata, Salamandroidea, Salamandridae, Pleurodelinae, Pleurodeles |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069631820.1  |
| Organism      | Ambystoma mexicanum   |
| Length        | 3639  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Ambystoma mexicanum phosphoglucomutase 2 (PGM2), mRNA            |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, |
| ·             | Batrachia, Caudata, Salamandroidea, Ambystomatidae, Ambystoma               |
|               |   |
|               |   |
|               |   |

## Field Value

Accession XM\_006690270.2
Organism Yamadazyma tenuis
Length 2955

Molecule Type mRNA

Description Yamadazyma tenuis Phosphoglucomutase-2 (PGM2), partial mRNA

Keywords RefSeq

Taxonomy Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,

Debaryomycetaceae, Yamadazyma

Field Value

Accession XM\_070949205.1
Organism Pituophis catenifer annectens

Length 2030 Molecule Type mRNA

Description PREDICTED: Pituophis catenifer annectens phosphoglucomutase 2 (PGM2), transcript

variant X1, mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,

 ${\bf Squamata,\,Bifurcata,\,Unidentata,\,Episquamata,\,Toxicofera,\,Serpentes,\,Colubroidea,}$ 

Colubridae, Colubrinae, Pituophis

Field Value

Accession XM\_070949206.1

Organism Pituophis catenifer annectens

Length 1892 Molecule Type mRNA

Description PREDICTED: Pituophis catenifer annectens phosphoglucomutase 2 (PGM2), transcript

variant X2, mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria.

 $Squamata,\ Bifurcata,\ Unidentata,\ Episquamata,\ Toxicofera,\ Serpentes,\ Colubroidea,$ 

Colubridae, Colubrinae, Pituophis

Field Value

Accession XM\_070757099.1
Organism Erythrolamprus reginae
Length 2045

Molecule Type mRNA

Description PREDICTED: Erythrolamprus reginae phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Serpentes, Colubroidea,

Dipsadidae, Erythrolamprus

Field Value

 Accession
 XM\_072737893.1

 Organism
 Vulpes vulpes

 Length
 2779

 Molecule Type
 mRNA

Description PREDICTED: Vulpes vulpes phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Carnivora, Caniformia, Canidae, Vulpes

| Field         | Value   |
|---------------|---|
| Accession     | XM_072807730.1  |
| Organism      | Canis lupus baileyi   |
| Length        | 2764  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Canis lupus baileyi phosphoglucomutase 2 (PGM2), mRNA            |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Canidae, Canis             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_017350648.3   |
| Organism      | Oryctolagus cuniculus  |
| Length        | 6319   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Oryctolagus cuniculus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Glires, Lagomorpha, Leporidae, Oryctolagus           |

| Field         | Value  |
|---------------|--|
| Accession     | XM_002709269.5   |
| Organism      | Oryctolagus cuniculus  |
| Length        | 3759   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Oryctolagus cuniculus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Glires, Lagomorpha, Leporidae, Oryctolagus           |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_070045567.1   |
| Organism      | Globicephala melas   |
| Length        | 6752   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Globicephala melas phosphoglucomutase 2 (PGM2), transcript variant X3, mRNA   |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Delphinidae, Globicephala |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735701.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12693   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
| -             | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
| ·             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068543121.1   |
| Organism      | Eschrichtius robustus  |
| Length        | 4131   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Eschrichtius robustus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Mysticeti,        |
|               | Eschrichtiidae, Eschrichtius   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_060012711.1   |
| Organism      | Delphinus delphis  |
| Length        | 6836   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Delphinus delphis phosphoglucomutase 2 (PGM2), transcript variant X2, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,       |
|               | Delphinidae, Delphinus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_060012712.1   |
| Organism      | Delphinus delphis  |
| Length        | 6705   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Delphinus delphis phosphoglucomutase 2 (PGM2), transcript variant X3, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
| *             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,       |
|               | Delphinidae, Delphinus   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_055086112.1  |
| Organism      | Physeter macrocephalus  |
| Length        | 4259  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Physeter macrocephalus phosphoglucomutase 2 (PGM2), transcript   |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
|               | Physeteridae, Physeter  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_060012714.1  |
| Organism      | Delphinus delphis   |
| Length        | 6672  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Delphinus delphis phosphoglucomutase 2 (PGM2), transcript variant X5, mRNA |
| Keywords      | RefSeq  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Delphinidae, Delphinus Taxonomy

| Field         | Value   |
|---------------|---|
| Accession     | XM_033856915.2  |
| Organism      | Tursiops truncatus  |
| Length        | 3481  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 (PGM2), transcript variant X1, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
| •             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,        |
|               | Delphinidae, Tursiops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735706.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12568   |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
|               | X5, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073805142.1  |
| Organism      | Tursiops truncatus  |
| Length        | 3301  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 (PGM2), transcript variant X5, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,        |
|               | Delphinidae, Tursiops   |
|               | Delphinique, Fursiops   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_019928361.3   |
| Organism      | Tursiops truncatus   |
| Length        | 3329   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 (PGM2), transcript variant X3, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Delphinidae, Tursiops |

Value

 $\mathbf{Field}$ 

| Accession     | $XM\_059067616.2$ |
|---------------|-------------------|
| Organism      | Kogia breviceps   |
| Length        | 4214              |
| Molecule Type | mRNA              |

Description PREDICTED: Kogia breviceps phosphoglucomutase 2 (PGM2), mRNA

Delphinidae, Delphinus

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Physeteridae, Kogia

Field Value Accession XM\_060012713.1 Organism Delphinus delphis Length mRNAMolecule Type PREDICTED: Delphinus delphis phosphoglucomutase 2 (PGM2), transcript variant X4, Description mRNAKeywords RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Taxonomy Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735705.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12512   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
|               | X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735704.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12477   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
|               | X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_024117115.3  |
| Organism      | Physeter macrocephalus  |
| Length        | 2024  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Physeter macrocephalus phosphoglucomutase 2 (PGM2), transcript   |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
|               | Physeteridae, Physeter  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_060299236.1  |
| Organism      | Globicephala melas  |
| Length        | 6897  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Globicephala melas phosphoglucomutase 2 (PGM2), transcript variant X2, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,        |
|               | Delphinidae, Globicephala   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735702.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12582   |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
| •             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_060012709.1   |
| Organism      | Delphinus delphis  |
| Length        | 6792   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Delphinus delphis phosphoglucomutase 2 (PGM2), transcript variant X1, |
| -             | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
| v             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,       |
|               | Delphinidae, Delphinus   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_030881016.3  |
| Organism      | Globicephala melas  |
| Length        | 6886  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Globicephala melas phosphoglucomutase 2 (PGM2), transcript variant X1, |
|               | $\mathrm{mRNA}$   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,        |
|               | Delphinidae, Globicephala   |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_028492076.2  |
| Organism      | Physeter macrocephalus  |
| Length        | 2077  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Physeter macrocephalus phosphoglucomutase 2 (PGM2), transcript |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Taxonomy

Physeteridae, Physeter

| Field         | Value  |
|---------------|--|
| Accession     | XM_068543120.1   |
| Organism      | Eschrichtius robustus  |
| Length        | 4200   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Eschrichtius robustus phosphoglucomutase 2 (PGM2), transcript variant |
| -             | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
| v             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Mysticeti,        |
|               | Eschrichtiidae, Eschrichtius   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067735708.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 12448   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
|               | X7, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
|               | Delphinidae, Pseudorca  |

| Value   |
|---|
| XM_067735707.1  |
| Pseudorca crassidens  |
| 12448   |
| mRNA  |
| PREDICTED: Pseudorca crassidens phosphoglucomutase 2 (PGM2), transcript variant |
| X6, mRNA  |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
| Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,      |
| Delphinidae, Pseudorca  |
|   |

|                  | _033856916.2   |
|------------------|--|
| 0                | all and Australia Australia  |
| Longth 346       | siops truncatus  |
| Length 540.      | 3  |
| Molecule Type mR | NA   |
| •                | EDICTED: Tursiops truncatus phosphoglucomutase 2 (PGM2), transcript variant $X4$ , |
| mR               |  |
| Keywords Refs    | Seq  |
| Taxonomy Euk     | aryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,           |
| Eut              | heria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,            |
| Del              | phinidae, Tursiops   |
|                  |  |

| Accession     | XM_019928360.3  |
|---------------|---|
| Organism      | Tursiops truncatus  |
| Length        | 3473  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 (PGM2), transcript variant X2, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,        |
|               | Delphinidae, Tursiops   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_031686955.2   |
| Organism      | Vicugna pacos  |
| Length        | 2234   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 (PGM2), mRNA   |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Vicugna |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camendae, Vicugna  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074349374.1  |
| Organism      | Camelus bactrianus  |
| Length        | 4924  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Camelus bactrianus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Camelus          |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074349379.1  |
| Organism      | Camelus bactrianus  |
| Length        | 4841  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Camelus bactrianus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Camelus          |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070398033.1  |
| Organism      | Myotis yumanensis   |
| Length        | 1996  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Myotis yumanensis phosphoglucomutase 2 (PGM2), mRNA                  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Vespertilionidae, Myotis |

| Field | Value |  |
|-------|-------|--|
|       |       |  |

Accession XM\_020900548.2
Organism Odocoileus virginianus

Length 4172 Molecule Type mRNA

Description PREDICTED: Odocoileus virginianus phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria,

Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Cervidae, Odocoileinae, Odocoileus

#### Field Value

Accession XM\_019962575.2
Organism Bos indicus
Length 7359
Molecule Type mRNA

Description PREDICTED: Bos indicus phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Bovinae, Bos

#### Field Value

Accession XM\_068975145.1
Organism Capricornis sumatraensis

Length 3402 Molecule Type mRNA

Description PREDICTED: Capricornis sumatraensis phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSec

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria,

Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Caprinae, Capricornis

#### Field Value

 Accession
 XM\_005899275.3

 Organism
 Bos mutus

 Length
 7303

 Molecule Type
 mRNA

Description PREDICTED: Bos mutus phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Bovinae, Bos

#### Field Value

Accession XM\_069593831.1
Organism Ovis canadensis
Length 4203
Molecule Type mRNA

Description PREDICTED: Ovis canadensis phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Caprinae, Ovis

#### Field Value

Accession XM\_069494475.1 Organism Eulemur rufifrons

Length 3204 Molecule Type mRNA Description PREDICTED: Eulemur rufifrons phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Euarchontoglires, Primates, Strepsirrhini, Lemuriformes, Lemuridae, Eulemur

Field Value Accession XM\_070506053.1  ${\bf Organism}$ Equus asinus Length 2941 Molecule Type mRNADescription PREDICTED: Equus asinus phosphoglucomutase 2 (PGM2), mRNA Keywords RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Taxonomy

Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus

Field Value

Accession XM\_008523027.2 Organism Equus przewalskii

Length 4403 Molecule Type mRNA

Description PREDICTED: Equus przewalskii phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus

Field Value

Accession XM\_005608834.4
Organism Equus caballus

Length 4403 Molecule Type mRNA

Description PREDICTED: Equus caballus phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus

Field Value

Accession XM\_066387668.1
Organism Saccopteryx leptura

Length 3941 Molecule Type mRNA

Description PREDICTED: Saccopteryx leptura phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Emballonuridae, Emballonurinae,

Saccopteryx

Field Value

Accession XM\_066279803.1 Organism Saccopteryx bilineata

Length 3927 Molecule Type mRNA

Description PREDICTED: Saccopteryx bilineata phosphoglucomutase 2 (PGM2), mRNA

Keywords RefSeq

Taxonomy

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Emballonuridae, Emballonurinae,

Saccopteryx

| Field         | Value   |
|---------------|---|
| Accession     | XM_071217067.1  |
| Organism      | Dasypus novemcinctus  |
| Length        | 5174  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Dasypus novemcinctus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Xenarthra, Cingulata, Dasypodidae, Dasypus                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_058299782.2  |
| Organism      | Dasypus novemcinctus  |
| Length        | 4829  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Dasypus novemcinctus phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Xenarthra, Cingulata, Dasypodidae, Dasypus                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_003927508.4  |
| Organism      | Saimiri boliviensis   |
| Length        | 2833  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Saimiri boliviensis phosphoglucomutase 2 (PGM2), transcript variant X1,    |
|               | $\mathrm{mRNA}$   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Platyrrhini, Cebidae, Saimiriinae, Saimiri   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_010338181.3  |
| Organism      | Saimiri boliviensis   |
| Length        | 2692  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Saimiri boliviensis phosphoglucomutase 2 (PGM2), transcript variant X2,    |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Platyrrhini, Cebidae, Saimiriinae, Saimiri   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_047415895.1  |
| Organism      | Homo sapiens  |
| Length        | 2834  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Homo sapiens phosphoglucomutase 2 (PGM2), transcript variant X1, |
| -             | mRNA  |

RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Homo Keywords Taxonomy

| Field         | Value  |
|---------------|--|
| Accession     | XM_045392238.3   |
| Organism      | Macaca fascicularis  |
| Length        | 2381   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 (PGM2), transcript variant X1, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae,    |
|               | Cercopithecinae, Macaca  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_055246314.2  |
| Organism      | Symphalangus syndactylus  |
| Length        | 2975  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Symphalangus syndactylus phosphoglucomutase 2 (PGM2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hylobatidae, Symphalangus        |

| Field         | Value  |
|---------------|--|
| Accession     | XM_054350388.1   |
| Organism      | Homo sapiens   |
| Length        | 2834   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Homo sapiens phosphoglucomutase 2 (PGM2), transcript variant X1,    |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Homo |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074039521.1   |
| Organism      | Macaca fascicularis  |
| Length        | 2274   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 (PGM2), transcript variant X3, |
|               | ${ m mRNA}$  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae,    |
|               | Cercopithecinae, Macaca  |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_008017660.3   |
| Organism      | Chlorocebus sabaeus  |
| Length        | 2411   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Chlorocebus sabaeus phosphoglucomutase 2 (PGM2), mRNA |

Keywords Taxonomy  ${\bf RefSeq}$ 

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,

Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, Cercopithecinae, Chlorocebus

| Field         | Value   |
|---------------|---|
| Accession     | XM_019741975.2  |
| Organism      | Rhinolophus sinicus   |
| Length        | 6702  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Rhinolophus sinicus phosphoglucomutase 2 (PGM2), mRNA            |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Chiroptera, Yinpterochiroptera, Rhinolophoidea,   |
|               | Rhinolophidae, Rhinolophinae, Rhinolophus                                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_025887320.2  |
| Organism      | Callorhinus ursinus   |
| Length        | 2593  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 (PGM2), mRNA                    |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,         |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_037002869.2  |
| Organism      | Manis javanica  |
| Length        | 2769  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Manis javanica phosphoglucomutase 2 (PGM2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Pholidota, Manidae, Manis                         |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072620455.1  |
| Organism      | Notamacropus eugenii  |
| Length        | 2796  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Notamacropus eugenii phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Metatheria, Diprotodontia, Macropodidae, Notamacropus                           |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072620456.1  |
| Organism      | Notamacropus eugenii  |
| Length        | 2899  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Notamacropus eugenii phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Metatheria, Diprotodontia, Macropodidae, Notamacropus  ${\bf Taxonomy}$ 

| Field         | Value   |
|---------------|---|
| Accession     | XM_069068627.1  |
| Organism      | Petaurus breviceps papuanus   |
| Length        | 3377  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Petaurus breviceps papuanus phosphoglucomutase 2 (PGM2), mRNA    |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Metatheria, Diprotodontia, Petauridae, Petaurus                             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074272351.1   |
| Organism      | Sminthopsis crassicaudata  |
| Length        | 2785   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Sminthopsis crassicaudata phosphoglucomutase 2 (PGM2), transcript |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,  |
|               | Metatheria, Dasyuromorphia, Dasyuridae, Sminthopsis                          |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074272352.1   |
| Organism      | Sminthopsis crassicaudata  |
| Length        | 2591   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Sminthopsis crassicaudata phosphoglucomutase 2 (PGM2), transcript |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,  |
|               | Metatheria, Dasyuromorphia, Dasyuridae, Sminthopsis                          |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074229642.1  |
| Organism      | Macrotis lagotis  |
| Length        | 3649  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Macrotis lagotis phosphoglucomutase 2 (PGM2), mRNA               |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Metatheria, Peramelemorphia, Peramelidae, Macrotis                          |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074992590.1   |
| Organism      | Carettochelys insculpta  |
| Length        | 12252  |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Carettochelys insculpta phosphoglucomutase 2 (PGM2), mRNA             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Testudinata, Testudines, Cryptodira, Trionychia, Carettochelyidae, Carettochelys |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073342294.1  |
| Organism      | Lepidochelys kempii   |
| Length        | 4197  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 (PGM2), transcript variant    |
|               | X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Lepidochelys   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073342292.1  |
| Organism      | Lepidochelys kempii   |
| Length        | 3775  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 (PGM2), transcript variant    |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Lepidochelys   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073342293.1  |
| Organism      | Lepidochelys kempii   |
| Length        | 1872  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 (PGM2), transcript variant    |
| -             | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
| v             | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Lepidochelys   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074951555.1  |
| Organism      | Natator depressus   |
| Length        | 4223  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Natator depressus phosphoglucomutase 2 (PGM2), transcript variant X2,  |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Natator  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067551538.1   |
| Organism      | Emydura macquarii macquarii  |
| Length        | 4567   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Emydura macquarii macquarii phosphoglucomutase 2 (PGM2), mRNA         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| *             | Testudinata, Testudines, Pleurodira, Chelidae, Emydura                           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074951554.1  |
| Organism      | Natator depressus   |
| Length        | 4092  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Natator depressus phosphoglucomutase 2 (PGM2), transcript variant X1,  |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Natator  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074822314.1   |
| Organism      | Strix aluco  |
| Length        | 2239   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Strix aluco phosphoglucomutase 2 (PGM2), mRNA                         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                              |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074865964.1  |
| Organism      | Strix uralensis   |
| Length        | 2219  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Strix uralensis phosphoglucomutase 2 (PGM2), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Strigiformes, Strigidae, Strix |
|               | ,,,,  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074904639.1   |
| Organism      | Athene noctua  |
| Length        | 2166   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Athene noctua phosphoglucomutase 2 (PGM2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Athene                             |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068137551.1   |
| Organism      | Melanerpes formicivorus  |
| Length        | 2173   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Melanerpes formicivorus phosphoglucomutase 2 (PGM2), mRNA             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Coraciimorphae, Piciformes, Picidae, Melanerpes             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_069856160.1   |
| Organism      | Phaenicophaeus curvirostris  |
| Length        | 2146   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Phaenicophaeus curvirostris phosphoglucomutase 2 (PGM2), mRNA         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Otidimorphae, Cuculiformes, Cuculidae, Phaenicophaeus                   |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_075024300.1  |
| Organism      | Buteo buteo   |
| Length        | 2705  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Buteo buteo phosphoglucomutase 2 (PGM2), mRNA                                  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,          |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,          |
|               | Neoaves, Telluraves, Accipitrimorphae, Accipitriformes, Accipitridae, Accipitrinae, Buteo |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_069791989.1   |
| Organism      | Haliaeetus albicilla   |
| Length        | 2203   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Haliaeetus albicilla phosphoglucomutase 2 (PGM2), mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Accipitrimorphae, Accipitriformes, Accipitridae, Accipitrinae, Haliaeetus |

| Field         | value  |
|---------------|--|
| Accession     | XM_071743755.1   |
| Organism      | Heliangelus exortis  |
| Length        | 6511   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Heliangelus exortis phosphoglucomutase 2 (PGM2), transcript variant X1, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Neoaves, Strisores, Apodiformes, Trochilidae, Heliangelus                          |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_071743756.1   |
| Organism      | Heliangelus exortis  |
| Length        | 6544   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Heliangelus exortis phosphoglucomutase 2 (PGM2), transcript variant X2, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
| ·             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Neoaves, Strisores, Apodiformes, Trochilidae, Heliangelus                          |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074587801.1   |
| Organism      | Larus michahellis  |
| Length        | 2223   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Larus michahellis phosphoglucomutase 2 (PGM2), mRNA                   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Charadriiformes, Laridae, Larus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072863467.1   |
| Organism      | Ciconia boyciana   |
| Length        | 4032   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Ciconia boyciana phosphoglucomutase 2 (PGM2), mRNA                    |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Aeguernithes, Ciconiiformes, Ciconiidae, Ciconia                        |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068403487.1  |
| Organism      | Nyctibius grandis   |
| Length        | 2210  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Nyctibius grandis phosphoglucomutase 2 (PGM2), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Strisores, Caprimulgiformes, Nyctibiidae, Nyctibius |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074147545.1   |
| Organism      | Numenius arquata   |
| Length        | 2929   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Numenius arquata phosphoglucomutase 2 (PGM2), mRNA                    |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Charadriiformes, Scolopacidae, Numenius                                 |

| Field         | Value  |
|---------------|--|
| Accession     | XM_005149138.3   |
| Organism      | Melopsittacus undulatus  |
| Length        | 2156   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Melopsittacus undulatus phosphoglucomutase 2 (PGM2), mRNA             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Psittaciformes, Psittaculidae, Melopsittacus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065837361.2   |
| Organism      | Patagioenas fasciata   |
| Length        | 2226   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Patagioenas fasciata phosphoglucomutase 2 (PGM2), mRNA                |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Columbimorphae, Columbiformes, Columbidae, Patagioenas                  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_048072976.2   |
| Organism      | Anser cygnoides  |
| Length        | 2583   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Anser cygnoides phosphoglucomutase 2 (PGM2), transcript variant X2,   |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anserinae, Anser                           |

| Field         | Value  |
|---------------|--|
| Accession     | XM_048072975.2   |
| Organism      | Anser cygnoides  |
| Length        | 2828   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anser cygnoides phosphoglucomutase 2 (PGM2), transcript variant X1,   |
|               | $_{ m mRNA}$   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anserinae, Anser                           |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068680109.1   |
| Organism      | Anas acuta   |
| Length        | 2435   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anas acuta phosphoglucomutase 2 (PGM2), mRNA                          |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| v             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anatinae, Anas                             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_027457252.3   |
| Organism      | Anas platyrhynchos   |
| Length        | 2438   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anas platyrhynchos phosphoglucomutase 2 (PGM2), mRNA                  |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| •             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anatinae, Anas                             |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067298150.1  |
| Organism      | Apteryx mantelli  |
| Length        | 2003  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Apteryx mantelli phosphoglucomutase 2 (PGM2), mRNA                       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Apterygiformes, Apterygidae, Apteryx  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068943211.1  |
| Organism      | Struthio camelus  |
| Length        | 2179  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Struthio camelus phosphoglucomutase 2 (PGM2), mRNA                       |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Struthioniformes, Struthionidae, Struthio   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072334790.1   |
| Organism      | Excalfactoria chinensis  |
| Length        | 2015   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Excalfactoria chinensis phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Galloanserae, Galliformes, Phasianidae, Excalfactoria                              |

| Field         | value  |
|---------------|--|
| Accession     | XM_072334789.1   |
| Organism      | Excalfactoria chinensis  |
| Length        | 4233   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Excalfactoria chinensis phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Galloanserae, Galliformes, Phasianidae, Excalfactoria                              |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066185599.1   |
| Organism      | Chamaea fasciata   |
| Length        | 2184   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chamaea fasciata phosphoglucomutase 2 (PGM2), mRNA                              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,           |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,           |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Sylviidae, Sylviidae incertae |
|               | sedis Chamaea  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066317127.1  |
| Organism      | Sylvia atricapilla  |
| Length        | 2156  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Sylvia atricapilla phosphoglucomutase 2 (PGM2), mRNA                           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,          |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,          |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Sylviidae, Sylviinae, Sylvii |

| $\mathbf{Field}$ | Value   |
|------------------|---|
| Accession        | XM_021533151.1  |
| Organism         | Lonchura striata  |
| Length           | 5634  |
| Molecule Type    | mRNA  |
| Description      | PREDICTED: Lonchura striata phosphoglucomutase 2 (PGM2), mRNA                           |
| Keywords         | $\operatorname{RefSeq}$   |
| Taxonomy         | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|                  | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|                  | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|                  | Lonchura  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_030270904.4  |
| Organism      | Taeniopygia guttata   |
| Length        | 2173  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Taeniopygia guttata phosphoglucomutase 2 (PGM2), mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae,   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074541623.1   |
| Organism      | Zonotrichia albicollis   |
| Length        | 2221   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Zonotrichia albicollis phosphoglucomutase 2 (PGM2), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Tellurayes, Australayes, Passeriformes, Passerellidae, Zonotrichia      |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068188859.1   |
| Organism      | Anomalospiza imberbis  |
| Length        | 2202   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Anomalospiza imberbis phosphoglucomutase 2 (PGM2), mRNA                     |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,       |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,       |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Passeridae, Anomalospiza |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066548512.1   |
| Organism      | Molothrus aeneus   |
| Length        | 2229   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Molothrus aeneus phosphoglucomutase 2 (PGM2), mRNA                      |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Icteridae, Molothrus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_071432560.1  |
| Organism      | Agelaius tricolor   |
| Length        | 2542  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Agelaius tricolor phosphoglucomutase 2 (PGM2), mRNA                    |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,  |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Icteridae, Agelaius |

| Field         | Value  |
|---------------|--|
| Accession     | XM_071556654.1   |
| Organism      | Pithys albifrons albifrons   |
| Length        | 2240   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pithys albifrons albifrons phosphoglucomutase 2 (PGM2), mRNA          |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Thamnophilidae, Pithys          |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069355947.1  |
| Organism      | Vanrija albida  |
| Length        | 1713  |
| Molecule Type | mRNA  |
| Description   | Vanrija albida Phosphoglucomutase-2 (PGM2), partial mRNA                    |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Basidiomycota, Agaricomycotina, Tremellomycetes, |
|               | Trichosporonales, Trichosporonaceae, Vanrija                                |

| Field         | Value  |
|---------------|--|
| Accession     | XM_022818595.1   |
| Organism      | Kluyveromyces marxianus DMKU3-1042   |
| Length        | 1701   |
| Molecule Type | mRNA   |
| Description   | Kluyveromyces marxianus DMKU3-1042 phosphoglucomutase-2 (PGM2), partial mRNA |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes,    |
| •             | Saccharomycetales, Saccharomycetaceae, Kluyveromyces                         |
|               |  |
|               |  |

### Field Value

| Accession     | XM_066772581.1  |
|---------------|---|
| Organism      | Diplodia seriata  |
| Length        | 1719  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | Diplodia seriata Phosphoglucomutase-2 (PGM2), partial mRNA                      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,         |
| *             | Dothideomycetes incertae sedis. Botryosphaeriales. Botryosphaeriaceae. Diplodia |

| Field         | Value  |
|---------------|--|
| Accession     | XM_003068562.2   |
| Organism      | Coccidioides posadasii str. Silveira   |
| Length        | 3828   |
| Molecule Type | mRNA   |
| Description   | Coccidioides posadasii str. Silveira Phosphoglucomutase-2 (PGM2), mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes, Eurotiomycetidae, Onygenales, Onygenaceae, Coccidioides |

| Field         | Value  |
|---------------|--|
| Accession     | XM_033572339.1   |
| Organism      | Aspergillus tanneri  |
| Length        | 1668   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | Aspergillus tanneri Phosphoglucomutase-2 (PGM2), partial mRNA                  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes,         |
|               | Eurotiomycetidae, Eurotiales, Aspergillaceae, Aspergillus, Aspergillus subgen. |
|               | Circumdati   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066117491.1  |
| Organism      | Metarhizium acridum   |
| Length        | 1662  |
| Molecule Type | mRNA  |
| Description   | Metarhizium acridum Phosphoglucomutase-2 (PGM2), partial mRNA           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, |
|               | Hypocreomycetidae, Hypocreales, Clavicipitaceae, Metarhizium            |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_071056818.1  |
| Organism      | Madurella fahalii   |
| Length        | 1665  |
| Molecule Type | ${ m mRNA}$   |
| Description   | Madurella fahalii Phosphoglucomutase-2 (PGM2), partial mRNA             |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, |
|               | Sordariomycetidae, Sordariales, Sordariales incertae sedis, Madurella   |
|               |   |
| Field         | Value   |

Accession NM\_001182605.1
Organism Saccharomyces cerevisiae S288C
Length 1710
Molecule Type mRNA
Description Saccharomyces cerevisiae S288C phosphoglucomutase PGM2 (PGM2), partial mRNA
Keywords RefSeq
Taxonomy Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes,

Saccharomycetales, Saccharomycetaceae, Saccharomyces

# FieldValueAccessionXM\_011273571.1OrganismWickerhamomyces ciferriiLength1695Molecule TypemRNADescriptionWickerhamomyces ciferrii phosphoglucomutase (PGM2), partial mRNAKeywordsRefSeqTaxonomyEukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes,

Phaffomycetales, Wickerhamomycetaceae, Wickerhamomyces

| Field         | Value  |
|---------------|--|
| Accession     | XM_072406341.1   |
| Organism      | Pyxicephalus adspersus   |
| Length        | 2457   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pyxicephalus adspersus phosphoglucomutase 2 (PGM2), transcript              |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,            |
|               | Batrachia, Anura, Neobatrachia, Ranoidea, Pyxicephalidae, Pyxicephalinae, Pyxicephalus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_069977503.1   |
| Organism      | Dendropsophus ebraccatus   |
| Length        | 2621   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Dendropsophus ebraccatus phosphoglucomutase 2 (PGM2), mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, Batrachia, Anura, Neobatrachia, Hyloidea, Hylidae, Hylinae, Dendropsophini |

| Field         | Value   |
|---------------|---|
| Accession     | $XM_066573200.1$  |
| Organism      | Eleutherodactylus coqui   |
| Length        | 2255  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Eleutherodactylus coqui phosphoglucomutase 2 (PGM2), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Eleutherodactylidae, Eleutherodactylinae, |
|               | Eleutherodactylus, Eleutherodactylus  |
|               |   |
|               |   |

| Field | Value |
|-------|-------|
|       |       |

| Accession     | XM_073646201.1  |
|---------------|---|
| Organism      | Phyllobates terribilis  |
| Length        | 2266  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Phyllobates terribilis phosphoglucomutase 2 (PGM2), transcript variant   |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
| •             | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Phyllobates |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073646208.1  |
| Organism      | Phyllobates terribilis  |
| Length        | 2182  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Phyllobates terribilis phosphoglucomutase 2 (PGM2), transcript variant   |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Phyllobates |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073563007.1  |
| Organism      | Dendrobates tinctorius  |
| Length        | 2226  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Dendrobates tinctorius phosphoglucomutase 2 (PGM2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Dendrobates |

| F'ield        | Value  |
|---------------|--|
| Accession     | XM_069744617.1   |
| Organism      | Ranitomeya imitator  |
| Length        | 2750   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Ranitomeya imitator phosphoglucomutase 2 (PGM2), mRNA                   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,        |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Ranitomeya |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072125860.1  |
| Organism      | Engystomops pustulosus  |
| Length        | 2267  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Engystomops pustulosus phosphoglucomutase 2 (PGM2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Leptodactylidae, Leiuperinae, Engystomops |
|               |   |
|               |   |

| Field | Value |
|-------|-------|
|       |       |

| Accession     | XM_068278438.1  |
|---------------|---|
| Organism      | Hyperolius riggenbachi  |
| Length        | 3838  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hyperolius riggenbachi phosphoglucomutase 2 (PGM2), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,       |
|               | Batrachia, Anura, Neobatrachia, Microhyloidea, Hyperoliidae, Hyperolius           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068278439.1  |
| Organism      | Hyperolius riggenbachi  |
| Length        | 3761  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hyperolius riggenbachi phosphoglucomutase 2 (PGM2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,       |
|               | Batrachia, Anura, Neobatrachia, Microhyloidea, Hyperoliidae, Hyperolius           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073608937.1  |
| Organism      | Aquarana catesbeiana  |
| Length        | 3149  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Aquarana catesbeiana phosphoglucomutase 2 (PGM2), mRNA           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, |
|               | Batrachia, Anura, Neobatrachia, Ranoidea, Ranidae, Aquarana                 |

# 39 Gene: PGM2L1

| Field         | Value   |
|---------------|---|
| Accession     | XM_058305942.1  |
| Organism      | Dasypus novemcinctus  |
| Length        | 7732  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Dasypus novemcinctus phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Xenarthra, Cingulata, Dasypodidae, Dasypus                        |

| Field         | Value  |
|---------------|--|
| Accession     | XM_054523768.1   |
| Organism      | Pongo abelii   |
| Length        | 7379   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pongo abelii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063672082.1  |
| Organism      | Pongo pygmaeus  |
| Length        | 8324  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pongo pygmaeus phosphoglucomutase 2 like 1 (PGM2L1), transcript      |
|               | variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo |

| Field         | Value  |
|---------------|--|
| Accession     | XM_054523767.2   |
| Organism      | Pongo abelii   |
| Length        | 7559   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pongo abelii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_037026286.2  |
| Organism      | Manis javanica  |
| Length        | 8021  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Manis javanica phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Pholidota, Manidae, Manis                         |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065528718.2  |
| Organism      | Macaca fascicularis   |
| Length        | 4109  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, Cercopithecinae, Macaca |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576926.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 8296   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, |
|               | Miroungini, Mirounga   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576929.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 7948   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X4, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, |
|               | Miroungini, Mirounga   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576927.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 8127   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X2, mRNA  |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
| •             | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, |
|               | Miroungini, Mirounga   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576931.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 8156   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X6, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
| •             | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, |
|               | Miroungini, Mirounga   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576930.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 7932   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X5, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,        |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, |
|               | Miroungini, Mirounga   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064576928.1   |
| Organism      | Mirounga angustirostris  |
| Length        | 8015   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Mirounga angustirostris phosphoglucomutase 2 like 1 (PGM2L1), |
|               | transcript variant X3, mRNA  |
| Keywords      | RefSeq   |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Phocidae, Monachinae, Taxonomy

Miroungini, Mirounga

| Field         | Value  |
|---------------|--|
| Accession     | XM_073879703.1   |
| Organism      | Callorhinus ursinus  |
| Length        | 2846   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                      |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus              |

| Field         | Value   |
|---------------|---|
| Accession     | XM_025894452.2  |
| Organism      | Callorhinus ursinus   |
| Length        | 2783  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript     |
|               | variant X5, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,         |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073879704.1  |
| Organism      | Callorhinus ursinus   |
| Length        | 2823  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript     |
|               | variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,         |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_025894459.2  |
| Organism      | Callorhinus ursinus   |
| Length        | 2612  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript     |
|               | variant X7, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,         |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_073879702.1   |
| Organism      | Callorhinus ursinus  |
| Length        | 2960   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA |

 $\operatorname{RefSeq}$ Keywords

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus Taxonomy

| Field         | Value  |
|---------------|--|
| Accession     | XM_025894455.2   |
| Organism      | Callorhinus ursinus  |
| Length        | 2854   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X6, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                      |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus              |

| Field         | Value   |
|---------------|---|
| Accession     | XM_025894451.2  |
| Organism      | Callorhinus ursinus   |
| Length        | 2883  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Callorhinus ursinus phosphoglucomutase 2 like 1 (PGM2L1), transcript     |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,         |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Pinnipedia, Otariidae, Callorhinus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_026010490.2  |
| Organism      | Vulpes vulpes   |
| Length        | 7882  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Vulpes vulpes phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Canidae, Vulpes                  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072794556.1  |
| Organism      | Canis lupus baileyi   |
| Length        | 7945  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Canis lupus baileyi phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Carnivora, Caniformia, Canidae, Canis             |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_030836104.2   |
| Organism      | Globicephala melas   |
| Length        | 8027   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Globicephala melas phosphoglucomutase 2 like 1 (PGM2L1), mRNA |
| Keywords      | RefSeg   |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Delphinidae, Globicephala Taxonomy

| Field         | Value  |
|---------------|--|
| Accession     | XM_073808468.1   |
| Organism      | Tursiops truncatus   |
| Length        | 3041   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X4, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Delphinidae, Tursiops |

| Field         | Value   |
|---------------|---|
| Accession     | XM_059070813.2  |
| Organism      | Kogia breviceps   |
| Length        | 7235  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Kogia breviceps phosphoglucomutase 2 like 1 (PGM2L1), transcript           |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Physeteridae, Kogia  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067038521.1  |
| Organism      | Kogia breviceps   |
| Length        | 6939  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Kogia breviceps phosphoglucomutase 2 like 1 (PGM2L1), transcript           |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Physeteridae, Kogia  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067038522.1  |
| Organism      | Kogia breviceps   |
| Length        | 7088  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Kogia breviceps phosphoglucomutase 2 like 1 (PGM2L1), transcript           |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti, Physeteridae, Kogia  |

| Field         | Value                  |  |
|---------------|------------------------|--|
| Accession     | $XM_028500849.1$       |  |
| Organism      | Physeter macrocephalus |  |
| Length        | 2159                   |  |
| Molecule Type | mRNA                   |  |

PREDICTED: Physeter macrocephalus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA Description

Keywords

RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Taxonomy

Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,

Physeteridae, Physeter

| Field         | Value   |
|---------------|---|
| Accession     | XM_007109098.4  |
| Organism      | Physeter macrocephalus  |
| Length        | 2830  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Physeter macrocephalus phosphoglucomutase 2 like 1 (PGM2L1),     |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
|               | Physeteridae, Physeter  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_019946618.3  |
| Organism      | Tursiops truncatus  |
| Length        | 2841  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                     |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,                      |
|               | Delphinidae, Tursiops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067750309.1  |
| Organism      | Pseudorca crassidens  |
| Length        | 8020  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Pseudorca crassidens phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
|               | Delphinidae, Pseudorca  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_060018282.1  |
| Organism      | Delphinus delphis   |
| Length        | 4384  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Delphinus delphis phosphoglucomutase 2 like 1 (PGM2L1), mRNA     |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
| •             | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
|               | Delphinidae, Delphinus  |
|               |   |
|               |   |
|               |   |
|               |   |

Value

Field

| Accession     | XM_073808469.1   |
|---------------|--|
| Organism      | Tursiops truncatus   |
| Length        | 3082   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X5, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,     |
|               | Delphinidae, Tursiops  |

| Value   |
|---|
| XM_065881610.1  |
| Phocoena phocoena   |
| 2763  |
| mRNA  |
| PREDICTED: Phocoena phocoena phosphoglucomutase 2 like 1 (PGM2L1), mRNA     |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
| Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,  |
| Phocoenidae, Phocoena   |
|   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_033862296.2   |
| Organism      | Tursiops truncatus   |
| Length        | 3341   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Tursiops truncatus phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Odontoceti,     |
|               | Delphinidae, Tursiops  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068554914.1  |
| Organism      | Eschrichtius robustus   |
| Length        | 2324  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Eschrichtius robustus phosphoglucomutase 2 like 1 (PGM2L1), mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Whippomorpha, Cetacea, Mysticeti,   |
|               | Eschrichtiidae, Eschrichtius  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074014748.1  |
| Organism      | Macaca fascicularis   |
| Length        | 3874  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, |
|               | Cercopithecinae, Macaca   |

| Field                   | Value   |
|-------------------------|---|
| Accession               | XM_003420041.4  |
| Organism                | Loxodonta africana  |
| Length                  | 5289  |
| Molecule Type           | $\mathrm{mRNA}$   |
| Description             | PREDICTED: Loxodonta africana phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords                | RefSeq  |
| Taxonomy                | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|                         | Eutheria, Afrotheria, Proboscidea, Elephantidae, Loxodonta  |
| Description<br>Keywords | PREDICTED: Loxodonta africana phosphoglucomutase 2 like 1 (PGM2L1), mRNA RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |

| Field         | Value   |
|---------------|---|
| Accession     | XM_010334320.3  |
| Organism      | Saimiri boliviensis   |
| Length        | 4657  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Saimiri boliviensis phosphoglucomutase 2 like 1 (PGM2L1), mRNA             |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Platyrrhini, Cebidae, Saimiriinae, Saimiri   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_508639.9   |
| Organism      | Pan troglodytes   |
| Length        | 8555  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pan troglodytes phosphoglucomutase 2 like 1 (PGM2L1), mRNA         |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pan |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_003814679.6  |
| Organism      | Pan paniscus  |
| Length        | 8778  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Pan paniscus phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pan |

| Field         | Value   |
|---------------|---|
| Accession     | XM_005579075.5  |
| Organism      | Macaca fascicularis   |
| Length        | 4277  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, Cercopithecinae, Macaca |

Value

 $\mathbf{Field}$ 

| Accession     | XM_055282871.2  |
|---------------|---|
| Organism      | Symphalangus syndactylus  |
| Length        | 8192  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Symphalangus syndactylus phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X3, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hylobatidae, Symphalangus        |

| Field         | Value   |
|---------------|---|
| Accession     | XM_055282870.2  |
| Organism      | Symphalangus syndactylus  |
| Length        | 8146  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Symphalangus syndactylus phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X2, mRNA   |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
| •             | Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hylobatidae, Symphalangus        |

| Field         | Value   |
|---------------|---|
| Accession     | XM_055282869.2  |
| Organism      | Symphalangus syndactylus  |
| Length        | 8542  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Symphalangus syndactylus phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hylobatidae, Symphalangus        |

| Field         | Value   |
|---------------|---|
| Accession     | XM_055282872.2  |
| Organism      | Symphalangus syndactylus  |
| Length        | 8117  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Symphalangus syndactylus phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X4, mRNA   |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hylobatidae, Symphalangus        |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_002708697.5  |
| Organism      | Oryctolagus cuniculus   |
| Length        | 8422  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Oryctolagus cuniculus phosphoglucomutase 2 like 1 (PGM2L1), mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Euarchontoglires, Glires, Lagomorpha, Leporidae, Oryctolagus      |
|               |   |
|               |   |

| Field | Value |  |
|-------|-------|--|

| Accession     | XM_005612044.4   |
|---------------|--|
| Organism      | Equus caballus   |
| Length        | 3005   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Equus caballus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_044752496.2  |
| Organism      | Equus asinus  |
| Length        | 3646  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Equus asinus phosphoglucomutase 2 like 1 (PGM2L1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus                    |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070625817.1  |
| Organism      | Equus przewalskii   |
| Length        | 3005  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Equus przewalskii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus                      |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070625816.1  |
| Organism      | Equus przewalskii   |
| Length        | 4848  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Equus przewalskii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus                      |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_001498196.5  |
| Organism      | Equus caballus  |
| Length        | 4846  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Equus caballus phosphoglucomutase 2 like 1 (PGM2L1), transcript  |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
| •             | Eutheria, Laurasiatheria, Perissodactyla, Equidae, Equus                    |
|               |   |

| Field | Value |
|-------|-------|
|       |       |

| Accession     | XM_045508777.2   |
|---------------|--|
| Organism      | Camelus bactrianus   |
| Length        | 7230   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Camelus bactrianus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Camelus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072969203.1  |
| Organism      | Vicugna pacos   |
| Length        | 2203  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X5, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Vicugna              |

| Field         | Value   |
|---------------|---|
| Accession     | XM_006203336.4  |
| Organism      | Vicugna pacos   |
| Length        | 5787  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Vicugna              |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072969200.1  |
| Organism      | Vicugna pacos   |
| Length        | 3451  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X2, mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Vicugna              |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072969202.1  |
| Organism      | Vicugna pacos   |
| Length        | 2190  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria Laurasiatheria Artiodactyla Tylopoda Camelidae Vicugna                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072969201.1  |
| Organism      | Vicugna pacos   |
| Length        | 2433  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Vicugna pacos phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,       |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Vicugna              |

| Field         | Value  |
|---------------|--|
| Accession     | XM_010973128.3   |
| Organism      | Camelus bactrianus   |
| Length        | 6990   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Camelus bactrianus phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Camelus           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_010989494.3  |
| Organism      | Camelus dromedarius   |
| Length        | 6608  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Camelus dromedarius phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Artiodactyla, Tylopoda, Camelidae, Camelus        |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM 066250183.1   |
| Organism      | Saccopteryx bilineata  |
| Length        | 7821   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Saccopteryx bilineata phosphoglucomutase 2 like 1 (PGM2L1), mRNA            |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,            |
| v             | Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Emballonuridae, Emballonurinae, |
|               | Saccopteryx  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066368528.1   |
| Organism      | Saccopteryx leptura  |
| Length        | 7222   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Saccopteryx leptura phosphoglucomutase 2 like 1 (PGM2L1), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,            |
|               | Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Emballonuridae, Emballonurinae, |
|               | Saccopteryx  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_054576265.1   |
| Organism      | Pteronotus mesoamericanus  |
| Length        | 7824   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pteronotus mesoamericanus phosphoglucomutase 2 like 1 (PGM2L1),     |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Mormoopidae, Pteronotus |
|               |  |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070425618.1  |
| Organism      | Myotis yumanensis   |
| Length        | 7638  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Myotis yumanensis phosphoglucomutase 2 like 1 (PGM2L1), mRNA         |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Laurasiatheria, Chiroptera, Yangochiroptera, Vespertilionidae, Myotis |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_024572662.4  |
| Organism      | Desmodus rotundus   |
| Length        | 7758  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Desmodus rotundus phosphoglucomutase 2 like 1 (PGM2L1), mRNA               |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Chiroptera, Yangochiroptera, Phyllostomidae, Desmodontinae, Desmodus  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065528716.2  |
| Organism      | Macaca fascicularis   |
| Length        | 3587  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Macaca fascicularis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA        |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                             |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, Cercopithecinae, Macaca |

| Field         | Value  |
|---------------|--|
| Accession     | NM_173582.6  |
| Organism      | Homo sapiens   |
| Length        | 8477   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | Homo sapiens phosphoglucomutase 2 like 1 (PGM2L1), mRNA                        |
| Keywords      | RefSeq, MANE Select  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Homo |

# Field Value

| Accession     | XM_054368480.1   |
|---------------|--|
| Organism      | Homo sapiens   |
| Length        | 8544   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Homo sapiens phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Homo   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_012456961.3   |
| Organism      | Aotus nancymaae  |
| Length        | 4704   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Actus nancymaae phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Platyrrhini, Aotidae, Aotus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064558037.1   |
| Organism      | Latimeria chalumnae  |
| Length        | 2649   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Latimeria chalumnae phosphoglucomutase 2-like 1 (PGM2L1), mRNA            |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Coelacanthiformes, |
|               | Coelacanthidae, Latimeria  |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069070838.1  |
| Organism      | Petaurus breviceps papuanus   |
| Length        | 10471   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Petaurus breviceps papuanus phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Metatheria, Diprotodontia, Petauridae, Petaurus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074216862.1  |
| Organism      | Macrotis lagotis  |
| Length        | 9080  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Macrotis lagotis phosphoglucomutase 2 like 1 (PGM2L1), mRNA      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Metatheria, Peramelemorphia, Peramelidae, Macrotis                          |

Value

 ${\bf Field}$ 

| Accession     | XM_074304055.1  |
|---------------|---|
| Organism      | Sminthopsis crassicaudata   |
| Length        | 2919  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Sminthopsis crassicaudata phosphoglucomutase 2 like 1 (PGM2L1),  |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Metatheria, Dasyuromorphia, Dasyuridae, Sminthopsis                         |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072610865.1   |
| Organism      | Notamacropus eugenii   |
| Length        | 10230  |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Notamacropus eugenii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Metatheria, Diprotodontia, Macropodidae, Notamacropus                            |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072610864.1   |
| Organism      | Notamacropus eugenii   |
| Length        | 10310  |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Notamacropus eugenii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Metatheria, Diprotodontia, Macropodidae, Notamacropus                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_019744395.2  |
| Organism      | Rhinolophus sinicus   |
| Length        | 7753  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Rhinolophus sinicus phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
|               | Eutheria, Laurasiatheria, Chiroptera, Yinpterochiroptera, Rhinolophoidea,   |
|               | Rhinolophidae, Rhinolophinae, Rhinolophus                                   |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_063327908.1   |
| Organism      | Chroicocephalus ridibundus   |
| Length        | 6494   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chroicocephalus ridibundus phosphoglucomutase 2 like 1 (PGM2L1),      |
|               | transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| ·             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Negaves Charadrijformes Laridae Chroicocephalus                                  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074572225.1   |
| Organism      | Larus michahellis  |
| Length        | 6568   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Larus michahellis phosphoglucomutase 2 like 1 (PGM2L1), transcript    |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Charadriiformes, Laridae, Larus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068419010.1   |
| Organism      | Nyctibius grandis  |
| Length        | 6374   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Nyctibius grandis phosphoglucomutase 2 like 1 (PGM2L1), mRNA          |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Strisores, Caprimulgiformes, Nyctibiidae, Nyctibius                     |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069808694.1  |
| Organism      | Haliaeetus albicilla  |
| Length        | 6441  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Haliaeetus albicilla phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Accipitrimorphae, Accipitriformes, Accipitridae, Accipitrinae, |
|               | Haliaeetus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_075050302.1  |
| Organism      | Buteo buteo   |
| Length        | 6441  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Buteo buteo phosphoglucomutase 2 like 1 (PGM2L1), transcript variant           |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,          |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,          |
|               | Neoaves, Telluraves, Accipitrimorphae, Accipitriformes, Accipitridae, Accipitrinae, Buteo |

| Field         | Value   |
|---------------|---|
| Accession     | XM_075050303.1  |
| Organism      | Buteo buteo   |
| Length        | 6220  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Buteo buteo phosphoglucomutase 2 like 1 (PGM2L1), transcript variant           |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,          |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,          |
|               | Negaves, Telluraves, Accipitrimorphae, Accipitriformes, Accipitridae, Accipitrinae, Buteo |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074572226.1   |
| Organism      | Larus michahellis  |
| Length        | 3260   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Larus michahellis phosphoglucomutase 2 like 1 (PGM2L1), transcript    |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Charadriiformes, Laridae, Larus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_034074418.1   |
| Organism      | Melopsittacus undulatus  |
| Length        | 2949   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Melopsittacus undulatus phosphoglucomutase 2 like 1 (PGM2L1), mRNA    |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Psittaciformes, Psittaculidae, Melopsittacus   |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_065678957.1  |
| Organism      | Lathamus discolor   |
| Length        | 6388  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lathamus discolor phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Psittaciformes, Psittacidae, Lathamus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065678959.1   |
| Organism      | Lathamus discolor  |
| Length        | 2221   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Lathamus discolor phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,               |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,               |
|               | Neoaves, Telluraves, Australaves, Psittaciformes, Psittacidae, Lathamus                        |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065678958.1   |
| Organism      | Lathamus discolor  |
| Length        | 6310   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Lathamus discolor phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,               |
| •             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,               |
|               | Neoaves, Telluraves, Australaves, Psittaciformes, Psittacidae, Lathamus                        |

| Value  |
|--|
| XM_074919337.1   |
| Athene noctua  |
| 2966   |
| mRNA   |
| PREDICTED: Athene noctua phosphoglucomutase 2 like 1 (PGM2L1), mRNA              |
| RefSeq   |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
| Neoaves, Telluraves, Strigiformes, Strigidae, Athene                             |
|  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074816581.1   |
| Organism      | Strix aluco  |
| Length        | 6322   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Strix aluco phosphoglucomutase 2 like 1 (PGM2L1), transcript variant  |
|               | X4, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                              |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074816580.1   |
| Organism      | Strix aluco  |
| Length        | 6281   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Strix aluco phosphoglucomutase 2 like 1 (PGM2L1), transcript variant  |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                              |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074860599.1  |
| Organism      | Strix uralensis   |
| Length        | 6323  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Strix uralensis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,    |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                                 |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074860597.1  |
| Organism      | Strix uralensis   |
| Length        | 6475  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Strix uralensis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
| ·             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,    |
|               | Negaves Telluraves Strigiformes Strigidae Strix                                     |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074860598.1  |
| Organism      | Strix uralensis   |
| Length        | 6282  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Strix uralensis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,    |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                                 |

| Field         | Value  |
|---------------|--|
| Accession     | $XM_074816579.1$   |
| Organism      | Strix aluco  |
| Length        | 6473   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Strix aluco phosphoglucomutase 2 like 1 (PGM2L1), transcript variant  |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Strigiformes, Strigidae, Strix                              |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064441597.1   |
| Organism      | Phalacrocorax carbo  |
| Length        | 6095   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Phalacrocorax carbo phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Aequornithes, Suliformes, Phalacrocoracidae, Phalacrocorax              |

| Field         | Value   |   |
|---------------|---|---|
| Accession     | XM_072851003.1  | _ |
| Organism      | Ciconia boyciana  |   |
| Length        | 6243  |   |
| Molecule Type | $\mathrm{mRNA}$   |   |
| Description   | PREDICTED: Ciconia boyciana phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA   |   |
| Keywords      | RefSeq  |   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Aequornithes, Ciconiiformes, Ciconiidae, Ciconia |   |
|               | ,   |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072851002.1  |
| Organism      | Ciconia boyciana  |
| Length        | 6166  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Ciconia boyciana phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archesauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neogves, Aeguornithes, Ciconiiformes, Ciconiidae, Ciconia |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072851001.1   |
| Organism      | Ciconia boyciana   |
| Length        | 6462   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Ciconia boyciana phosphoglucomutase 2 like 1 (PGM2L1), transcript     |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Aequornithes, Ciconiiformes, Ciconiidae, Ciconia                        |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068180381.1   |
| Organism      | Anomalospiza imberbis  |
| Length        | 5509   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anomalospiza imberbis phosphoglucomutase 2 like 1 (PGM2L1), mRNA            |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,       |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,       |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Passeridae, Anomalospiza |

| Field         | Value   |
|---------------|---|
| Accession     | XM_021544017.2  |
| Organism      | Lonchura striata  |
| Length        | 5980  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Lonchura striata phosphoglucomutase 2 like 1 (PGM2L1), transcript            |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|               | Lonchura  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_021544016.2  |
| Organism      | Lonchura striata  |
| Length        | 6016  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lonchura striata phosphoglucomutase 2 like 1 (PGM2L1), transcript            |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|               | Lonchura  |

| Value   |
|---|
| XM_063419289.1  |
| Prinia subflava   |
| 6038  |
| ${ m mRNA}$   |
| PREDICTED: Prinia subflava phosphoglucomutase 2 like 1 (PGM2L1), transcript |
| variant X1, mRNA<br>RefSeq  |
|   |

| Taxonomy | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|----------|--|
|----------|--|

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Cisticolidae, Prinia

| Field         | Value   |
|---------------|---|
| Accession     | XM_063419290.1  |
| Organism      | Prinia subflava   |
| Length        | 5840  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Prinia subflava phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Cisticolidae, Prinia |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063419291.1  |
| Organism      | Prinia subflava   |
| Length        | 5995  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Prinia subflava phosphoglucomutase 2 like 1 (PGM2L1), transcript       |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,  |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Cisticolidae, Prinia |

| Value  |
|--|
| XM_066207158.1   |
| Chamaea fasciata   |
| 5985   |
| ${ m mRNA}$  |
| PREDICTED: Chamaea fasciata phosphoglucomutase 2 like 1 (PGM2L1), mRNA                     |
| RefSeq   |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,           |
| Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,           |
| Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Sylviidae, Sylviidae incertae |
| sedis, Chamaea   |
|  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066340756.1  |
| Organism      | Sylvia atricapilla  |
| Length        | 5988  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Sylvia atricapilla phosphoglucomutase 2 like 1 (PGM2L1), mRNA                  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,          |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,          |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Sylvioidea, Sylviidae, Sylviinae, Sylvii |
|               |   |
|               |   |

### Field Value

| Accession     | XM_064411202.1   |
|---------------|--|
| Organism      | Passer domesticus  |
| Length        | 5381   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Passer domesticus phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Passeridae, Passer |

| Field         | Value  |
|---------------|--|
| Accession     | XM_074530082.1   |
| Organism      | Zonotrichia albicollis   |
| Length        | 5361   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Zonotrichia albicollis phosphoglucomutase 2 like 1 (PGM2L1), mRNA     |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passerellidae, Zonotrichia      |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064729045.1   |
| Organism      | Zonotrichia leucophrys gambelii  |
| Length        | 5362   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Zonotrichia leucophrys gambelii phosphoglucomutase 2 like 1 (PGM2L1), |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passerellidae, Zonotrichia      |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066571829.1   |
| Organism      | Molothrus aeneus   |
| Length        | 5393   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Molothrus aeneus phosphoglucomutase 2 like 1 (PGM2L1), mRNA             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,   |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Icteridae, Molothrus |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_071417866.1  |
| Organism      | Agelaius tricolor   |
| Length        | 5423  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Agelaius tricolor phosphoglucomutase 2 like 1 (PGM2L1), mRNA           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,  |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Icteridae, Agelaius |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072924373.1  |
| Organism      | Taeniopygia guttata   |
| Length        | 6128  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Taeniopygia guttata phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X6, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, Taeniopygia |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072924369.1  |
| Organism      | Taeniopygia guttata   |
| Length        | 5771  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Taeniopygia guttata phosphoglucomutase 2 like 1 (PGM2L1), transcript         |
|               | variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|               | Taeniopygia   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_030264466.4  |
| Organism      | Taeniopygia guttata   |
| Length        | 5997  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Taeniopygia guttata phosphoglucomutase 2 like 1 (PGM2L1), transcript         |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|               | Taeniopygia   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072924363.1  |
| Organism      | Taeniopygia guttata   |
| Length        | 5809  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Taeniopygia guttata phosphoglucomutase 2 like 1 (PGM2L1), transcript         |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,        |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,        |
|               | Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae, |
|               | Taeniopygia   |

| Field         | Value               |  |
|---------------|---------------------|--|
| Accession     | XM_030264460.4      |  |
| Organism      | Taeniopygia guttata |  |
| Length        | 6033                |  |
| Molecule Type | mRNA                |  |

Description PREDICTED: Taeniopygia guttata phosphoglucomutase 2 like 1 (PGM2L1), transcript

variant X1, mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Telluraves, Australaves, Passeriformes, Passeroidea, Estrildidae, Estrildinae,

Taeniopygia

Field Value

Accession XM\_074168681.1 Organism Numenius arquata

Description PREDICTED: Numenius arquata phosphoglucomutase 2 like 1 (PGM2L1), transcript

variant X2, mRNA

Keywords RefSec

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,

Neoaves, Charadriiformes, Scolopacidae, Numenius

Field Value

Accession XM\_074168598.1 Organism Numenius arquata

Length 2036 Molecule Type mRNA

Description PREDICTED: Numenius arquata phosphoglucomutase 2 like 1 (PGM2L1), transcript

variant X1, mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,

Neoaves, Charadriiformes, Scolopacidae, Numenius

Field Value

Accession XM\_064643896.1 Organism Pseudopipra pipra

Length 5971 Molecule Type mRNA

Description PREDICTED: Pseudopipra pipra phosphoglucomutase 2 like 1 (PGM2L1), mRNA

Keywords RefSe

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,

Neoaves, Telluraves, Australaves, Passeriformes, Pipridae, Pseudopipra

Field Value

Accession XM\_071564430.1 Organism Pithys albifrons albifrons

Length 5849 Molecule Type mRNA

Description PREDICTED: Pithys albifrons phosphoglucomutase 2 like 1 (PGM2L1), mRNA

Keywords RefSeq

Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,

Neoaves, Telluraves, Australaves, Passeriformes, Thamnophilidae, Pithys

| Field         | Value  |
|---------------|--|
| Accession     | XM_071755861.1   |
| Organism      | Heliangelus exortis  |
| Length        | 7899   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Heliangelus exortis phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Strisores, Apodiformes, Trochilidae, Heliangelus                        |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065649845.1   |
| Organism      | Caloenas nicobarica  |
| Length        | 5843   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Caloenas nicobarica phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, Neoaves, Columbimorphae, Columbiformes, Columbidae, Caloenas |

| $\mathbf{Field}$ | Value  |
|------------------|--|
| Accession        | XM_065649837.1   |
| Organism         | Caloenas nicobarica  |
| Length           | 5988   |
| Molecule Type    | $_{ m mRNA}$   |
| Description      | PREDICTED: Caloenas nicobarica phosphoglucomutase 2 like 1 (PGM2L1), transcript  |
|                  | variant X1, mRNA   |
| Keywords         | RefSeq   |
| Taxonomy         | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|                  | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|                  | Neoaves, Columbimorphae, Columbiformes, Columbidae, Caloenas                     |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065049668.1   |
| Organism      | Columba livia  |
| Length        | 5769   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Columba livia phosphoglucomutase 2 like 1 (PGM2L1), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Columbimorphae, Columbiformes, Columbidae, Columba                      |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065834073.2   |
| Organism      | Patagioenas fasciata   |
| Length        | 5735   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Patagioenas fasciata phosphoglucomutase 2 like 1 (PGM2L1), mRNA       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Columbimorphae, Columbiformes, Columbidae, Patagioenas                  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_069883340.1   |
| Organism      | Phaenicophaeus curvirostris  |
| Length        | 4706   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Phaenicophaeus curvirostris phosphoglucomutase 2 like 1 (PGM2L1),     |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Otidimorphae, Cuculiformes, Cuculidae, Phaenicophaeus                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_048047979.2   |
| Organism      | Anser cygnoides  |
| Length        | 6462   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anser cygnoides phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,             |
| •             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,             |
|               | Galloanserae, Anseriformes, Anatidae, Anserinae, Anser                                       |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068685853.1   |
| Organism      | Anas acuta   |
| Length        | 6369   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anas acuta phosphoglucomutase 2 like 1 (PGM2L1), transcript variant   |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anatinae, Anas                             |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_068685926.1   |
| Organism      | Anas acuta   |
| Length        | 6180   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anas acuta phosphoglucomutase 2 like 1 (PGM2L1), transcript variant   |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anatinae, Anas                             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_027466145.3   |
| Organism      | Anas platyrhynchos   |
| Length        | 6371   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anas platyrhynchos phosphoglucomutase 2 like 1 (PGM2L1), mRNA         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Anseriformes, Anatidae, Anatinae, Anas                             |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066990068.1   |
| Organism      | Anser cygnoides  |
| Length        | 6268   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Anser cygnoides phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,             |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,             |
|               | Galloanserae, Anseriformes, Anatidae, Anserinae, Anser                                       |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066990067.1   |
| Organism      | Anser cygnoides  |
| Length        | 6342   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anser cygnoides phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,             |
| •             | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,             |
|               | Galloanserae, Anseriformes, Anatidae, Anserinae, Anser                                       |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074976168.1  |
| Organism      | Carettochelys insculpta   |
| Length        | 7568  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Carettochelys insculpta phosphoglucomutase 2 like 1 (PGM2L1),  |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Testudinata, Testudines, Cryptodira, Trionychia, Carettochelyidae, Carettochelys |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065407950.1  |
| Organism      | Emys orbicularis  |
| Length        | 1857  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Emys orbicularis phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae, Emys |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069640198.1  |
| Organism      | Ambystoma mexicanum   |
| Length        | 3631  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Ambystoma mexicanum phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, |
| ·             | Batrachia, Caudata, Salamandroidea, Ambystomatidae, Ambystoma               |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069203801.1  |
| Organism      | Pleurodeles waltl   |
| Length        | 4691  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pleurodeles waltl phosphoglucomutase 2 like 1 (PGM2L1), mRNA       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,   |
|               | Batrachia, Caudata, Salamandroidea, Salamandridae, Pleurodelinae, Pleurodeles |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065596301.1   |
| Organism      | Chrysemys picta bellii   |
| Length        | 8158   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,      |
|               | Chrysemys  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065596325.1   |
| Organism      | Chrysemys picta bellii   |
| Length        | 13042  |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X7, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,      |
|               | Chrysemys  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065596299.1   |
| Organism      | Chrysemys picta bellii   |
| Length        | 8059   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae, Chrysemys |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065596314.1   |
| Organism      | Chrysemys picta bellii   |
| Length        | 7945   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X6, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,      |
|               | Chrysemys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065596312.1  |
| Organism      | Chrysemys picta bellii  |
| Length        | 13405   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X5, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,                    |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,                       |
|               | Chrysemys   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065596336.1   |
| Organism      | Chrysemys picta bellii   |
| Length        | 7502   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X8, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,   |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,      |
|               | Chrysemys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065596308.1  |
| Organism      | Chrysemys picta bellii  |
| Length        | 7894  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chrysemys picta bellii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X4, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,                    |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Testudinoidea, Emydidae,                       |
|               | Chrysemys   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_073334025.1   |
| Organism      | Lepidochelys kempii  |
| Length        | 7902   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,                 |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea,                |
|               | Cheloniidae, Lepidochelys  |

|               | ·   |
|---------------|---|
| Field         | Value   |
| Accession     | XM_073334035.1  |
| Organism      | Lepidochelys kempii   |
| Length        | 1958  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 like 1 (PGM2L1), transcript |
|               | variant X4, mRNA  |
| Keywords      | RefSea  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, Taxonomy

Cheloniidae, Lepidochelys

| Field         | Value  |
|---------------|--|
| Accession     | XM_073334015.1   |
| Organism      | Lepidochelys kempii  |
| Length        | 7810   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, Cheloniidae, Lepidochelys |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074954637.1  |
| Organism      | Natator depressus   |
| Length        | 7759  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Natator depressus phosphoglucomutase 2 like 1 (PGM2L1), mRNA           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,  |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea, |
|               | Cheloniidae, Natator  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_073334005.1   |
| Organism      | Lepidochelys kempii  |
| Length        | 8039   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Lepidochelys kempii phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,                 |
|               | Testudinata, Testudines, Cryptodira, Durocryptodira, Americhelydia, Chelonioidea,                |
|               | Cheloniidae, Lepidochelys  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067533327.1   |
| Organism      | Emydura macquarii macquarii  |
| Length        | 9001   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Emydura macquarii macquarii phosphoglucomutase 2 like 1 (PGM2L1),     |
|               | transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Testudinata, Testudines, Pleurodira, Chelidae, Emydura                           |

| Field         | Value            |  |
|---------------|------------------|--|
| Accession     | XM_067306388.1   |  |
| Organism      | Apteryx mantelli |  |
| Length        | 6489             |  |
| Molecule Type | mRNA             |  |

PREDICTED: Apteryx mantelli phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA  ${\bf Description}$ 

Keywords

RefSeq Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, Taxonomy

Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae,

Apterygiformes, Apterygidae, Apteryx

| Field         | Value   |
|---------------|---|
| Accession     | XM_067306599.1  |
| Organism      | Apteryx mantelli  |
| Length        | 6288  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Apteryx mantelli phosphoglucomutase 2 like 1 (PGM2L1), transcript        |
|               | variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Apterygiformes, Apterygidae, Apteryx  |

| $\mathbf{Field}$ | Value   |
|------------------|---|
| Accession        | XM_067306531.1  |
| Organism         | Apteryx mantelli  |
| Length           | 6203  |
| Molecule Type    | mRNA  |
| Description      | PREDICTED: Apteryx mantelli phosphoglucomutase 2 like 1 (PGM2L1), transcript        |
|                  | variant X3, mRNA  |
| Keywords         | RefSeq  |
| Taxonomy         | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|                  | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|                  | Apterygiformes, Apterygidae, Apteryx  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067306461.1  |
| Organism      | Apteryx mantelli  |
| Length        | 6278  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Apteryx mantelli phosphoglucomutase 2 like 1 (PGM2L1), transcript        |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Apterygiformes, Apterygidae, Apteryx  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_026115324.2  |
| Organism      | Dromaius novaehollandiae  |
| Length        | 6620  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Dromaius novaehollandiae phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Casuariiformes, Dromaiidae, Dromaius  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_009675833.2  |
| Organism      | Struthio camelus  |
| Length        | 5760  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Struthio camelus phosphoglucomutase 2 like 1 (PGM2L1), mRNA              |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,    |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Palaeognathae, |
|               | Struthioniformes, Struthionidae, Struthio   |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_066621209.1  |
| Organism      | Tiliqua scincoides  |
| Length        | 4164  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Tiliqua scincoides phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, |
|               | Squamata, Bifurcata, Unidentata, Scinciformata, Scincidae, Egerniinae, Tiliqua  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020791878.2  |
| Organism      | Pogona vitticeps  |
| Length        | 4291  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pogona vitticeps phosphoglucomutase 2 like 1 (PGM2L1), transcript    |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Iguania, Acrodonta,   |
|               | Agamidae, Amphibolurinae, Pogona  |

| Value   |
|---|
| XM_072993410.1  |
| Pogona vitticeps  |
| 3715  |
| mRNA  |
| PREDICTED: Pogona vitticeps phosphoglucomutase 2 like 1 (PGM2L1), transcript    |
| variant X2, mRNA  |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria, |
| Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Iguania, Acrodonta,   |
| Agamidae, Amphibolurinae, Pogona  |
|   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070749444.1  |
| Organism      | Erythrolamprus reginae  |
| Length        | 2399  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Erythrolamprus reginae phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,   |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Serpentes, Colubroidea, |
|               | Dipsadidae, Erythrolamprus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070749443.1  |
| Organism      | Erythrolamprus reginae  |
| Length        | 2631  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Erythrolamprus reginae phosphoglucomutase 2 like 1 (PGM2L1),           |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,   |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Serpentes, Colubroidea, |
|               | Dipsadidae, Erythrolamprus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070944121.1  |
| Organism      | Pituophis catenifer annectens   |
| Length        | 1948  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pituophis catenifer annectens phosphoglucomutase 2 like 1 (PGM2L1),    |
|               | mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,   |
| -             | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Serpentes, Colubroidea, |
|               | Colubridae, Colubrinae, Pituophis   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067466408.1   |
| Organism      | Anolis sagrei  |
| Length        | 2795   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Anolis sagrei phosphoglucomutase 2 like 1 (PGM2L1), mRNA                    |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Lepidosauria,        |
|               | Squamata, Bifurcata, Unidentata, Episquamata, Toxicofera, Iguania, Dactyloidae, Anolis |
|               |  |

| Value  |
|--|
| XM_065745752.1   |
| Cyrtonyx montezumae  |
| 2112   |
| mRNA   |
| PREDICTED: Cyrtonyx montezumae phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| RefSeq   |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
| Galloanserae, Galliformes, Odontophoridae, Cyrtonyx                              |
|  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072327005.1   |
| Organism      | Excalfactoria chinensis  |
| Length        | 5417   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Excalfactoria chinensis phosphoglucomutase 2 like 1 (PGM2L1), mRNA    |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Galloanserae, Galliformes, Phasianidae, Excalfactoria                            |

| Field              | Value   |
|--------------------|---|
| Accession          | XM_068988901.1  |
| Organism           | Capricornis sumatraensis  |
| Length             | 1891  |
| Molecule Type      | mRNA  |
| Description        | PREDICTED: Capricornis sumatraensis phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords           | RefSeq  |
| Taxonomy           | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Caprinae, Capricornis |
| Field              | Value   |
| Accession          | XM_005903216.2  |
| Organism           | Bos mutus   |
| Length             | 7612  |
| Molecule Type      | mRNA  |
| Description        | PREDICTED: Bos mutus phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords           | RefSeq  |
| Taxonomy           | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Bovinae, Bos         |
| P. 11              |   |
| Field<br>Accession | Value   |
|                    | XM_069553053.1  |
| Organism           | Ovis canadensis   |
| Length             | 3150<br>DNA   |
| Molecule Type      | mRNA  |
| Description        | PREDICTED: Ovis canadensis phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA  |
| Keywords           | RefSeq  |
| Taxonomy           | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Caprinae, Ovis       |
| Field              | Value   |
| Accession          | XM_069553054.1  |
| Organism           | Ovis canadensis   |
| Length             | 4726  |
| Molecule Type      | mRNA  |
| Description        | PREDICTED: Ovis canadensis phosphoglucomutase 2 like 1 (PGM2L1), transcript   |
| 77 1               | variant X3, mRNA  |
| Keywords           | RefSeq  |
| Taxonomy           | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|                    | Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Caprinae, Ovis   |
| Field              | Value   |
| Accession          | $XM\_019975252.2$   |
| Organism           | Bos indicus   |
| Length             | 7802  |
| Molecule Type      | mRNA  |
| Description        | PREDICTED: Bos indicus phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords           | RefSeq  |
| Taxonomy           | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |

Value Field

Taxonomy

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Bovidae, Bovinae, Bos

| Accession     | XM_020879844.2  |
|---------------|---|
| Organism      | Odocoileus virginianus  |
| Length        | 7622  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Odocoileus virginianus phosphoglucomutase 2 like 1 (PGM2L1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Cervidae, Odocoileinae, Odocoileus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_065944454.1  |
| Organism      | Muntiacus reevesi   |
| Length        | 7522  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Muntiacus reevesi phosphoglucomutase 2 like 1 (PGM2L1), mRNA               |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Laurasiatheria, Artiodactyla, Ruminantia, Pecora, Cervidae, Muntiacinae, Muntiacus    |

| Field         | Value  |
|---------------|--|
| Accession     | XM_011544953.4   |
| Organism      | Homo sapiens   |
| Length        | 8540   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Homo sapiens phosphoglucomutase 2 like 1 (PGM2L1), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,      |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Homo   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_004051796.5  |
| Organism      | Gorilla gorilla   |
| Length        | 3083  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Gorilla gorilla phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Gorilla |

| Field         | Value   |
|---------------|---|
| Accession     | XM_008020138.3  |
| Organism      | Chlorocebus sabaeus   |
| Length        | 6703  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chlorocebus sabaeus phosphoglucomutase 2 like 1 (PGM2L1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae,   |
|               | Cercopithecinae, Chlorocebus  |
|               |   |
|               |   |
| 3             | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Cercopithecidae, |

| Accession     | XM_012456962.3   |
|---------------|--|
| Organism      | Aotus nancymaae  |
| Length        | 4402   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Aotus nancymaae phosphoglucomutase 2 like 1 (PGM2L1), transcript    |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Platyrrhini, Aotidae, Aotus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069469257.1  |
| Organism      | Eulemur rufifrons   |
| Length        | 1869  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Eulemur rufifrons phosphoglucomutase 2 like 1 (PGM2L1), mRNA               |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,           |
|               | Eutheria, Euarchontoglires, Primates, Strepsirrhini, Lemuriformes, Lemuridae, Eulemur |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063672081.1  |
| Organism      | Pongo pygmaeus  |
| Length        | 8280  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pongo pygmaeus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X3, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                 |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo             |

| Field         | Value   |
|---------------|---|
| Accession     | NM_001132512.1  |
| Organism      | Pongo abelii  |
| Length        | $391\overline{2}$   |
| Molecule Type | mRNA  |
| Description   | Pongo abelii phosphoglucomutase 2 like 1 (PGM2L1), mRNA                         |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo |

| Field         | Value   |
|---------------|---|
| Accession     | XM_054440937.2  |
| Organism      | Pongo pygmaeus  |
| Length        | 8549  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pongo pygmaeus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X1, mRNA |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,                 |
| •             | Eutheria, Euarchontoglires, Primates, Haplorrhini, Catarrhini, Hominidae, Pongo             |

| XM 064144110.1   |
|--|
| Pogoniulus pusillus  |
| 2720   |
| mRNA   |
| PREDICTED: Pogoniulus pusillus phosphoglucomutase 2 like 1 (PGM2L1), transcript  |
| variant X3, mRNA   |
| RefSeq   |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
| Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
| Neoaves, Telluraves, Coraciimorphae, Piciformes, Lybiidae, Pogoniulus            |
|  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064144108.1   |
| Organism      | Pogoniulus pusillus  |
| Length        | 2904   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pogoniulus pusillus phosphoglucomutase 2 like 1 (PGM2L1), transcript  |
|               | variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria, |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae, |
|               | Neoaves, Telluraves, Coraciimorphae, Piciformes, Lybiidae, Pogoniulus            |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064144109.1   |
| Organism      | Pogoniulus pusillus  |
| Length        | 2902   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pogoniulus pusillus phosphoglucomutase 2 like 1 (PGM2L1), transcript variant X2, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Archelosauria,                 |
|               | Archosauria, Dinosauria, Saurischia, Theropoda, Coelurosauria, Aves, Neognathae,                 |
|               | Neoaves, Telluraves, Coraciimorphae, Piciformes, Lybiidae, Pogoniulus                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066588372.1  |
| Organism      | Eleutherodactylus coqui   |
| Length        | 3696  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Eleutherodactylus coqui phosphoglucomutase 2 like 1 (PGM2L1), mRNA       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Eleutherodactylidae, Eleutherodactylinae, |
|               | Eleutherodactylus, Eleutherodactylus  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069969476.1  |
| Organism      | Dendropsophus ebraccatus  |
| Length        | 2752  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Dendropsophus ebraccatus phosphoglucomutase 2 like 1 (PGM2L1),   |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, |
| •             | Batrachia, Anura, Neobatrachia, Hyloidea, Hylidae, Hylinae, Dendropsophini  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063432347.1  |
| Organism      | Pelobates fuscus  |
| Length        | 2355  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pelobates fuscus phosphoglucomutase 2 like 1 (PGM2L1), mRNA      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, |
|               | Batrachia, Anura, Pelobatoidea, Pelobatidae, Pelobates                      |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073548506.1  |
| Organism      | Dendrobates tinctorius  |
| Length        | 6449  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Dendrobates tinctorius phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Dendrobates |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073548505.1  |
| Organism      | Dendrobates tinctorius  |
| Length        | 6508  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Dendrobates tinctorius phosphoglucomutase 2 like 1 (PGM2L1),             |
|               | transcript variant X1, mRNA   |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Dendrobates |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073661071.1  |
| Organism      | Phyllobates terribilis  |
| Length        | 4305  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Phyllobates terribilis phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Phyllobates |

| Field         | Value  |
|---------------|--|
| Accession     | XM_069759471.1   |
| Organism      | Ranitomeya imitator  |
| Length        | 6282   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Ranitomeya imitator phosphoglucomutase 2 like 1 (PGM2L1), mRNA          |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,        |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Dendrobatidae, Dendrobatinae, Ranitomeya |
|               |  |
|               |  |

| e 1 (PGM2L1),      |
|--------------------|
|                    |
|                    |
| , Amphibia,        |
| e, Myobatrachinae, |
|                    |
|                    |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063950921.1  |
| Organism      | Pseudophryne corroboree   |
| Length        | 7603  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pseudophryne corroboree phosphoglucomutase 2 like 1 (PGM2L1),        |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,     |
|               | Batrachia, Anura, Neobatrachia, Myobatrachidae, Myobatrachidae, Myobatrachinae, |
|               | Pseudophryne  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072133805.1  |
| Organism      | Engystomops pustulosus  |
| Length        | 7004  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Engystomops pustulosus phosphoglucomutase 2 like 1 (PGM2L1), mRNA        |
| Keywords      | RefSeq, corrected model   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,         |
|               | Batrachia, Anura, Neobatrachia, Hyloidea, Leptodactylidae, Leiuperinae, Engystomops |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068264643.1  |
| Organism      | Hyperolius riggenbachi  |
| Length        | 3385  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hyperolius riggenbachi phosphoglucomutase 2 like 1 (PGM2L1), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia, Batrachia, Anura, Neobatrachia, Microhyloidea, Hyperoliidae, Hyperolius |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072400856.1   |
| Organism      | Pyxicephalus adspersus   |
| Length        | 3347   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pyxicephalus adspersus phosphoglucomutase 2 like 1 (PGM2L1), mRNA           |
| Keywords      | RefSeq, corrected model  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,            |
|               | Batrachia, Anura, Neobatrachia, Ranoidea, Pyxicephalidae, Pyxicephalinae, Pyxicephalus |
|               |  |

| Field Value |       |       |  |
|-------------|-------|-------|--|
|             | Field | Value |  |

Accession XM\_073612763.1
Organism Aquarana catesbeiana
Length 9202
Molecule Type mRNA
Description PREDICTED: Aquarana catesbeiana phosphoglucomutase 2 like 1 (PGM2L1), mRNA
Keywords RefSeq, corrected model
Taxonomy Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Amphibia,
Batrachia, Anura, Neobatrachia, Ranoidea, Ranidae, Aquarana

#### 40 Gene: PGX1

| Field         | Value   |
|---------------|---|
| Accession     | CAWUHB010000003.1   |
| Organism      | Sporothrix curviconia   |
| Length        | 1228168   |
| Molecule Type | DNA   |
| Description   | Sporothrix curviconia genome assembly, contig: scaffold_3, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,         |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                |

#### 41 Gene: PRE7

| Field         | Value  |
|---------------|--|
| Accession     | JAWCWV010000017.1  |
| Organism      | Sporothrix stenoceras  |
| Length        | 653204   |
| Molecule Type | DNA  |
| Description   | Sporothrix stenoceras strain CMW 5344 Scaffold_17, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,          |
| v             | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                 |

| Value  |
|--|
| JAWCUI010000017.1  |
| Sporothrix stenoceras  |
| 649007   |
| DNA  |
| Sporothrix stenoceras strain CMW 5346 Scaffold_17, whole genome shotgun sequence |
| WGS  |
| Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,          |
| Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                 |
|  |

#### 42 Gene: PUT1

| $\mathbf{Field}$ | Value |  |
|------------------|-------|--|
| rieia            | value |  |

Accession CAWUOM010000075.1
Organism Sporothrix epigloea
Length 114238
Molecule Type DNA
Description Sporothrix epigloea strain CBS 573.63 genome assembly, contig: scaffold\_75, whole genome shotgun sequence
Keywords WGS
Taxonomy Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix

# 43 Gene: Pgm2

| Field         | Value   |
|---------------|---|
| Accession     | XM_027938859.3  |
| Organism      | Marmota flaviventris  |
| Length        | 2307  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Marmota flaviventris phosphoglucomutase 2 (Pgm2), transcript variant |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Sciuromorpha, Sciuridae, Xerinae, |
|               | Marmotini, Marmota  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_027938865.2  |
| Organism      | Marmota flaviventris  |
| Length        | 2265  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Marmota flaviventris phosphoglucomutase 2 (Pgm2), transcript variant |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Sciuromorpha, Sciuridae, Xerinae, |
|               | Marmotini, Marmota  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020161873.2  |
| Organism      | Castor canadensis   |
| Length        | 2543  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Castor canadensis phosphoglucomutase 2 (Pgm2), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Castorimorpha, Castoridae, Castor |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070012439.1  |
| Organism      | Dipodomys merriami  |
| Length        | 2634  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Dipodomys merriami phosphoglucomutase 2 (Pgm2), mRNA |
| Keywords      | RefSeq  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia, Castorimorpha, Heteromyidae, Taxonomy

Dipodomyinae, Dipodomys

| Field         | Value  |
|---------------|--|
| Accession     | XM_050149910.1   |
| Organism      | Alexandromys fortis  |
| Length        | 2374   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Alexandromys fortis phosphoglucomutase 2 (Pgm2), mRNA               |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Myomorpha, Muroidea, Cricetidae, |
|               | Arvicolinae, Alexandromys  |

#### Gene: Pgm2l1 **44**

| Value   |
|---|
| XM_070035020.1  |
| Dipodomys merriami  |
| 8788  |
| mRNA  |
| PREDICTED: Dipodomys merriami phosphoglucomutase 2 like 1 (Pgm2l1), mRNA    |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, |
| Eutheria, Euarchontoglires, Glires, Rodentia, Castorimorpha, Heteromyidae,  |
| Dipodomyinae, Dipodomys   |
|   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_003463435.5  |
| Organism      | Cavia porcellus   |
| Length        | 8261  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Cavia porcellus phosphoglucomutase 2 like 1 (Pgm2l1), mRNA         |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,   |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Hystricomorpha, Caviidae, Cavia |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_027942648.2  |
| Organism      | Marmota flaviventris  |
| Length        | 7740  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Marmota flaviventris phosphoglucomutase 2 like 1 (Pgm2l1), mRNA      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Sciuromorpha, Sciuridae, Xerinae, |
|               | Marmotini, Marmota  |
|               | Marmotini, Marmota  |

 $\mathbf{Field}$ 

Value

| Accession     | XM_074082992.1  |
|---------------|---|
| Organism      | Castor canadensis   |
| Length        | 8074  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Castor canadensis phosphoglucomutase 2 like 1 (Pgm2l1), transcript   |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Castorimorpha, Castoridae, Castor |

| Value   |
|---|
| XM_074082994.1  |
| Castor canadensis   |
| 8232  |
| mRNA  |
| PREDICTED: Castor canadensis phosphoglucomutase 2 like 1 (Pgm2l1), transcript   |
| variant X2, mRNA  |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,     |
| Eutheria, Euarchontoglires, Glires, Rodentia, Castorimorpha, Castoridae, Castor |
|   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_050154418.1   |
| Organism      | Alexandromys fortis  |
| Length        | 4327   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Alexandromys fortis phosphoglucomutase 2 like 1 (Pgm2l1), mRNA      |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia,    |
|               | Eutheria, Euarchontoglires, Glires, Rodentia, Myomorpha, Muroidea, Cricetidae, |
|               | Arvicolinae, Alexandromys  |

| Field         | Value   |
|---------------|---|
| Accession     | $NM_{-}027629.3$  |
| Organism      | Mus musculus  |
| Length        | 8641  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | Mus musculus phosphoglucomutase 2-like 1 (Pgm2l1), mRNA                               |
| Keywords      | RefSeq, RefSeq Select   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
|               | Euarchontoglires, Glires, Rodentia, Myomorpha, Muroidea, Muridae, Murinae, Mus, Mus   |

| Field         | Value   |
|---------------|---|
| Accession     | NM_001109454.4  |
| Organism      | Rattus norvegicus   |
| Length        | 8471  |
| Molecule Type | mRNA  |
| Description   | Rattus norvegicus phosphoglucomutase 2-like 1 (Pgm2l1), mRNA                          |
| Keywords      | RefSeq, RefSeq Select   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, |
| •             | Euarchontoglires, Glires, Rodentia, Myomorpha, Muroidea, Muridae, Murinae, Rattus     |

# 45 Gene: QA3

| Field         | Value   |
|---------------|---|
| Accession     | JAJVDA020000032.1   |
| Organism      | Diplodia seriata  |
| Length        | 390300  |
| Molecule Type | DNA   |
| Description   | Diplodia seriata strain M28-159 scaffold_32, whole genome shotgun sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes, Dothideomycetes incertae sedis, Botryosphaeriales, Botryosphaeriaceae, Diplodia |

# 46 Gene: RDS1

| Field         | Value   |
|---------------|---|
| Accession     | OZ188212.1  |
| Organism      | Monosporozyma unispora  |
| Length        | 605593  |
| Molecule Type | DNA   |
| Description   | Monosporozyma unispora genome assembly, chromosome: D                     |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Saccharomycetes, |
|               | Saccharomycetales, Saccharomycetaceae, Monosporozyma                      |

#### 47 Gene: RIM15

| Field         | Value   |
|---------------|---|
| Accession     | JBLAUX010000002.1   |
| Organism      | Fusarium chlamydosporum   |
| Length        | 4416796   |
| Molecule Type | DNA   |
| Description   | Fusarium chlamydosporum strain IraGTOF6 scaffold_2, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,           |
|               | Hypocreomycetidae, Hypocreales, Nectriaceae, Fusarium, Fusarium chlamydosporum    |
|               | species complex   |

#### 48 Gene: RPL34B

| Field         | Value  |
|---------------|--|
| Accession     | CAWUHC010000018.1  |
| Organism      | Sporothrix bragantina  |
| Length        | 445038   |
| Molecule Type | DNA  |
| Description   | Sporothrix bragantina genome assembly, contig: scaffold_18, whole genome shotgun |
|               | sequence   |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,          |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                 |

#### 49 Gene: SKY1

| Field         | Value  |
|---------------|--|
| Accession     | JAJVDC020000026.1  |
| Organism      | Neofusicoccum ribis  |
| Length        | 307156   |
| Molecule Type | DNA  |
| Description   | Neofusicoccum ribis strain M1-105 scaffold_26, whole genome shotgun sequence         |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,              |
|               | Dothideomycetes incertae sedis, Botryosphaeriales, Botryosphaeriaceae, Neofusicoccum |

#### 50 Gene: SSF1

| Field         | Value   |
|---------------|---|
| Accession     | JAKJXN020000003.1   |
| Organism      | Didymella pomorum   |
| Length        | 1050547   |
| Molecule Type | DNA   |
| Description   | Didymella pomorum strain M27-16 scaffold_3, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,   |
| Ţ.            | Pleosporomycetidae, Pleosporales, Pleosporineae, Didymellaceae, Didymella |

#### 51 Gene: SUA7

| Field         | Value  |
|---------------|--|
| Accession     | JBNDNQ010000010.1  |
| Organism      | Candidozyma auris  |
| Length        | 776911   |
| Molecule Type | DNA  |
| Description   | Candidozyma auris strain SI-CAU-425 contig_56, whole genome shotgun sequence |
| Keywords      | WGS  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Saccharomycotina, Pichiomycetes,      |
|               | Metschnikowiaceae, Candidozyma   |
|               |  |

# 52 Gene: TIM21

| Field         | Value   |
|---------------|---|
| Accession     | CAWUON010000035.1   |
| Organism      | Sporothrix epigloea   |
| Length        | 172627  |
| Molecule Type | DNA   |
| Description   | Sporothrix epigloea strain CBS 119000 genome assembly, contig: scaffold_35, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,                                   |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix  |

#### 53 Gene: UBC6

| Field         | Value   |
|---------------|---|
| Accession     | JBLUVW010000070.1   |
| Organism      | Pleosporales sp. CAS-2024a  |
| Length        | 129236  |
| Molecule Type | DNA   |
| Description   | Pleosporales sp. CAS-2024a strain ICMP 6266 ACEQ8H_70, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,     |
|               | Pleosporomycetidae, Pleosporales  |

#### 54 Gene: cta3

| Field         | Value   |
|---------------|---|
| Accession     | CAXVWH010000006.1   |
| Organism      | Xanthoria parietina   |
| Length        | 1643995   |
| Molecule Type | DNA   |
| Description   | Xanthoria parietina genome assembly, contig: Xp_GTX0501_6, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Lecanoromycetes, OSLEUM  |
|               | clade, Lecanoromycetidae, Teloschistales, Teloschistineae, Teloschistaceae,     |
|               | Xanthorioideae, Xanthoria   |

#### 55 Gene: dnaA

| Field         | Value   |
|---------------|---|
| Accession     | CP016099.1  |
| Organism      | Clostridioides difficile  |
| Length        | 4208574   |
| Molecule Type | DNA   |
| Description   | Peptoclostridium difficile strain DSM 100002, complete genome   |
| Keywords      |   |
| Taxonomy      | Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae, Clostridioides |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | CP045173.1   |
| Organism      | Clostridioides difficile   |
| Length        | 4320488  |
| Molecule Type | DNA  |
| Description   | Clostridioides difficile strain DSM 29695 chromosome, complete genome                    |
| Keywords      |  |
| Taxonomy      | Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae, |
|               | Clostridioides   |
|               |  |
|               |  |
| Field         | Value  |

Accession CP045166.1

Organism Clostridioides difficile

Length 4162984 Molecule Type DNA

Description Clostridioides difficile strain DSM 29636 chromosome, complete genome

Keywords Taxonomy

Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

Clostridioides

Field Value

Accession CP045172.1 Organism Clostridioides difficile

Length 3931260 Molecule Type DNA

Description Clostridioides difficile strain DSM 29650 chromosome, complete genome

Keywords

Taxonomy Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

Clostridioides

Field Value

Accession CP045176.1

Organism Clostridioides difficile

Length 4071599 Molecule Type DNA

Description Clostridioides difficile strain DSM 29753 chromosome, complete genome

Keywords

Taxonomy Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

 ${\bf Clostridioides}$ 

Field Value

Accession CP045175.1

Organism Clostridioides difficile Length 4071592

Molecule Type DNA

Description Clostridioides difficile strain DSM 29752 chromosome, complete genome

Keywords

Taxonomy Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

Clostridioides

Field Value

Accession CP045167.1

Organism Clostridioides difficile

Length 4261912 Molecule Type DNA

Description Clostridioides difficile strain DSM 29646 chromosome, complete genome

Keywords

Taxonomy Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

Clostridioides

Field Value

Accession CP016107.1

Organism Clostridioides difficile

Length 4182534 Molecule Type DNA Description Peptoclostridium difficile strain DSM 29640, complete genome Keywords
Taxonomy Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae,

Bactieria, Baciliota, Ciostridia, Peptostreptococcales, Peptostreptococcacea Clostridioides

| Field         | Value   |
|---------------|---|
| Accession     | CP016105.1  |
| Organism      | Clostridioides difficile  |
| Length        | 4351629   |
| Molecule Type | DNA   |
| Description   | Peptoclostridium difficile strain DSM 29630, complete genome  |
| Keywords      |   |
| Taxonomy      | Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae, Clostridioides |

| Field         | Value   |
|---------------|---|
| Accession     | CP016103.1  |
| Organism      | Clostridioides difficile  |
| Length        | 4253996   |
| Molecule Type | DNA   |
| Description   | Peptoclostridium difficile strain DSM 29628, complete genome  |
| Keywords      |   |
| Taxonomy      | Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae, Clostridioides |

| Value   |
|---|
| CP045170.1  |
| Clostridioides difficile  |
| 4250841   |
| DNA   |
| Clostridioides difficile strain DSM 29648 chromosome, complete genome                                   |
|   |
| Bacteria, Bacillati, Bacillota, Clostridia, Peptostreptococcales, Peptostreptococcaceae, Clostridioides |
|   |

# 56 Gene: dpp4

| Field         | Value   |
|---------------|---|
| Accession     | JBIMJW010000001.1   |
| Organism      | Beauveria felina  |
| Length        | 4728797   |
| Molecule Type | DNA   |
| Description   | Beauveria felina strain 45539 scaffold_1, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes, |
|               | Hypocreomycetidae, Hypocreales, Cordycipitaceae, Beauveria              |

#### 57 Gene: kes1

| F'ield        | Value   |
|---------------|---|
| Accession     | CAWUPJ010000019.1   |
| Organism      | Sporothrix epigloea   |
| Length        | 122865  |
| Molecule Type | DNA   |
| Description   | MAG: Sporothrix epigloea genome assembly, contig: scaffold_19, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS, ENV, Metagenome Assembled Genome, MAG  |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Sordariomycetes,             |
|               | Sordariomycetidae, Ophiostomatales, Ophiostomataceae, Sporothrix                    |
|               |   |

# 58 Gene: new22

| Field         | Value   |
|---------------|---|
| Accession     | CU329672.1  |
| Organism      | Schizosaccharomyces pombe   |
| Length        | 2452883   |
| Molecule Type | DNA   |
| Description   | Schizosaccharomyces pombe strain 972h- genome assembly, chromosome: III         |
| Keywords      |   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Taphrinomycotina, Schizosaccharomycetes, |
|               | Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces          |

# 59 Gene: pgm2

| Field         | Value   |
|---------------|---|
| Accession     | XM_067497109.1  |
| Organism      | Channa argus  |
| Length        | 3234  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Channa argus phosphoglucomutase 2 (pgm2), transcript variant X2,         |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Anabantaria, Anabantiformes, |
|               | Channoidei, Channidae, Channa   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067497108.1   |
| Organism      | Channa argus   |
| Length        | 3236   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Channa argus phosphoglucomutase 2 (pgm2), transcript variant X1,        |
|               | mRNA   |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Anabantaria, Anabantiformes |
|               | Channoidei, Channidae, Channa  |
|               |  |
| Field         | Value  |

| Accession     | XM_072383280.1   |
|---------------|--|
| Organism      | Leuresthes tenuis  |
| Length        | 2902   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Leuresthes tenuis phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Atheriniformes, Atherinopsidae, Atherinopsinae, Leuresthes                           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068705468.1  |
| Organism      | Cebidichthys violaceus  |
| Length        | 2487  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Cebidichthys violaceus phosphoglucomutase 2 (pgm2), mRNA               |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Cottioidei, Zoarcales, Stichaeidae, Xiphisterinae, Cebidichthys                   |
|               |   |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_068592185.1  |
| Organism      | Clinocottus analis  |
| Length        | 2173  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Clinocottus analis phosphoglucomutase 2 (pgm2), mRNA                   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Cottioidei, Cottales, Cottidae, Clinocottus                                       |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070977253.1  |
| Organism      | Chaetodon trifascialis  |
| Length        | 4091  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Chaetodon trifascialis phosphoglucomutase 2 (pgm2), mRNA                   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Chaetodontiformes, |
|               | Chaetodontidae, Chaetodon   |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_071923260.1   |
| Organism      | Centroberyx gerrardi   |
| Length        | 3010   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Centroberyx gerrardi phosphoglucomutase 2 (pgm2), mRNA                      |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Berycimorphaceae, Beryciformes, |
|               | Berycidae, Centroberyx   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_071533029.1   |
| Organism      | Centroberyx affinis  |
| Length        | 3021   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Centroberyx affinis phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Berycimorphaceae, Beryciformes, |
|               | Berycidae, Centroberyx   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_071408380.1  |
| Organism      | Salvelinus alpinus  |
| Length        | 4580  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Salvelinus alpinus phosphoglucomutase 2 (pgm2), transcript variant X1,   |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, |
|               | Salvelinus  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072670417.1   |
| Organism      | Salminus brasiliensis  |
| Length        | 3773   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Salminus brasiliensis phosphoglucomutase 2 (pgm2), mRNA                     |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Ostariophysi, Characiformes, Characoidei, Salmininae, Salminus |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066660083.1  |
| Organism      | Hoplias malabaricus   |
| Length        | 3132  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hoplias malabaricus phosphoglucomutase 2 (pgm2), mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Characiformes, Characoidei, Erythrinidae, Hoplias |

| Field         | Value   |
|---------------|---|
| Accession     | XM_023829537.2  |
| Organism      | Paramormyrops kingsleyae  |
| Length        | 3149  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Paramormyrops kingsleyae phosphoglucomutase 2 (pgm2), transcript       |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, |
|               | Mormyridae, Paramormyrops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_023829538.2  |
| Organism      | Paramormyrops kingsleyae  |
| Length        | 3107  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Paramormyrops kingsleyae phosphoglucomutase 2 (pgm2), transcript variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, Mormyridae, Paramormyrops |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_066720463.1  |
| Organism      | Amia calva  |
| Length        | 4710  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2 (pgm2), mRNA                           |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                  |

| Field         | value   |
|---------------|---|
| Accession     | XM_073064852.1  |
| Organism      | Hemitrygon akajei   |
| Length        | 3634  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hemitrygon akajei phosphoglucomutase 2 (pgm2), mRNA                      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Batoidea, Myliobatiformes, Dasyatidae, Hemitrygon                                   |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067988943.1  |
| Organism      | Heptranchias perlo  |
| Length        | 4553  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Heptranchias perlo phosphoglucomutase 2 (pgm2), transcript variant X1,   |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Hexanchiformes, Hexanchidae, Heptranchias                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067988950.1  |
| Organism      | Heptranchias perlo  |
| Length        | 4498  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Heptranchias perlo phosphoglucomutase 2 (pgm2), transcript variant X2,   |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Hexanchiformes, Hexanchidae, Heptranchias                            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070870528.1  |
| Organism      | Pristiophorus japonicus   |
| Length        | 4263  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pristiophorus japonicus phosphoglucomutase 2 (pgm2), transcript variant  |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Pristiophoriformes, Pristiophoridae, Pristiophorus                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070870526.1  |
| Organism      | Pristiophorus japonicus   |
| Length        | 4942  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Pristiophorus japonicus phosphoglucomutase 2 (pgm2), transcript variant  |
|               | X1, mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Pristiophoriformes, Pristiophoridae, Pristiophorus                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070870529.1  |
| Organism      | Pristiophorus japonicus   |
| Length        | 1611  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pristiophorus japonicus phosphoglucomutase 2 (pgm2), transcript variant  |
|               | X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Pristiophoriformes, Pristiophoridae, Pristiophorus                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072496555.1   |
| Organism      | Scyliorhinus torazame  |
| Length        | 6044   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Scyliorhinus torazame phosphoglucomutase 2 (pgm2), mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, Galeomorphii, Galeoidea, Carcharhiniformes, Scyliorhinidae, Scyliorhinus |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072252902.1  |
| Organism      | Mobula birostris  |
| Length        | 4020  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Mobula birostris phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Batoidea, Myliobatiformes, Mobula   |
|               |   |

| Accession     | XM_072567129.1  |
|---------------|---|
| Organism      | Chiloscyllium punctatum   |
| Length        | 2717  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2 (pgm2), transcript          |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
| *             | Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072567203.1  |
| Organism      | Chiloscyllium punctatum   |
| Length        | 2665  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2 (pgm2), transcript          |
|               | variant X2, mRNA  |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium            |

| F'ield        | Value   |
|---------------|---|
| Accession     | XM_068036978.1  |
| Organism      | Heterodontus francisci  |
| Length        | 3704  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Heterodontus francisci phosphoglucomutase 2 (pgm2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Heterodontoidea, Heterodontiformes, Heterodontidae, Heterodontus      |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069924969.1  |
| Organism      | Narcine bancroftii  |
| Length        | 2749  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Narcine bancroftii phosphoglucomutase 2 (pgm2), mRNA                     |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Batoidea, Torpediniformes, Narcinidae, Narcine                                      |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | NM_001023494.3  |
| Organism      | Schizosaccharomyces pombe   |
| Length        | 1907  |
| Molecule Type | ${ m mRNA}$   |
| Description   | Schizosaccharomyces pombe phosphoglucomutase (pgm2), mRNA                       |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Taphrinomycotina, Schizosaccharomycetes, |
|               | Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces          |
|               | · · · · · · · · · · · · · · · · · · ·   |
|               |   |

| Field | $\mathbf{Value}$ |
|-------|------------------|

| Accession     | XM 006629916.3  |
|---------------|---|
| Organism      | Lepisosteus oculatus  |
| Length        | 4968  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2 (pgm2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067250194.1  |
| Organism      | Osmerus mordax  |
| Length        | 2370  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Osmerus mordax phosphoglucomutase 2 (pgm2), transcript variant X2,     |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Stomiati, Osmeriformes, Osmeridae, Osmerus                |
|               |   |

| F'ield        | Value   |
|---------------|---|
| Accession     | XM_067250193.1  |
| Organism      | Osmerus mordax  |
| Length        | 2478  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Osmerus mordax phosphoglucomutase 2 (pgm2), transcript variant X1,     |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Stomiati, Osmeriformes, Osmeridae, Osmerus                |

| Field         | Value  |
|---------------|--|
| Accession     | XM_070916822.1   |
| Organism      | Enoplosus armatus  |
| Length        | 2825   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Enoplosus armatus phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Centrarchiformes, |
|               | Centrarchoidei, Enoplosidae, Enoplosus   |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065254577.2   |
| Organism      | Paramisgurnus dabryanus  |
| Length        | 2299   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Paramisgurnus dabryanus phosphoglucomutase 2 (pgm2), mRNA                     |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,        |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cobitidae, Cobitinae, Paramisgurnus |
|               |  |

| Field | Value |
|-------|-------|
|       |       |

| Accession     | XM_055205631.2   |
|---------------|--|
| Organism      | Misgurnus anguillicaudatus   |
| Length        | 2292   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Misgurnus anguillicaudatus phosphoglucomutase 2 (pgm2), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cobitidae, Cobitinae, Misgurnus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067404683.1   |
| Organism      | Chanodichthys erythropterus  |
| Length        | 2805   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chanodichthys erythropterus phosphoglucomutase 2 (pgm2), mRNA             |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Xenocyprididae, Xenocypridinae, |
|               | Chanodichthys  |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | NM_212886.1  |
| Organism      | Danio rerio  |
| Length        | 3462   |
| Molecule Type | mRNA   |
| Description   | Danio rerio phosphoglucomutase 2 (pgm2), mRNA                                      |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Danionidae, Danioninae, Danio |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067441845.1   |
| Organism      | Pseudorasbora parva  |
| Length        | 3125   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pseudorasbora parva phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Gobionidae, Sarcocheilichthyinae, |
|               | Pseudorasbora  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_016444158.1  |
| Organism      | Sinocyclocheilus anshuiensis  |
| Length        | 3099  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Sinocyclocheilus anshuiensis phosphoglucomutase 2 (pgm2), mRNA         |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cyprinidae, Cyprininae,      |
|               | Sinocyclocheilus  |

| Accession     | XM_072463117.1   |
|---------------|--|
| Organism      | Eucyclogobius newberryi  |
| Length        | 1889   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Eucyclogobius newberryi phosphoglucomutase 2 (pgm2), mRNA                     |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,        |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Gobiaria, Gobiiformes, Gobioidei, |
|               | Gobiidae, Gobionellinae, Eucyclogobius   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020641912.3  |
| Organism      | Labrus bergylta   |
| Length        | 2924  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Labrus bergylta phosphoglucomutase 2 (pgm2), mRNA                      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Labrus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068320889.1  |
| Organism      | Antennarius striatus  |
| Length        | 2801  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Antennarius striatus phosphoglucomutase 2 (pgm2), mRNA                 |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Lophiiformes,  |
|               | Antennarioidei, Antennariidae, Antennarius  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068750818.1  |
| Organism      | Brachionichthys hirsutus  |
| Length        | 2618  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Brachionichthys hirsutus phosphoglucomutase 2 (pgm2), mRNA             |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Lophiiformes,  |
|               | Antennarioidei, Brachionichthyidae, Brachionichthys                               |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_008412493.1   |
| Organism      | Poecilia reticulata  |
| Length        | 3752   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Poecilia reticulata phosphoglucomutase 2 (pgm2), transcript variant X2,   |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
| •             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |

| Field         | Value  |
|---------------|--|
| Accession     | XM_008412484.1   |
| Organism      | Poecilia reticulata  |
| Length        | 4154   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Poecilia reticulata phosphoglucomutase 2 (pgm2), transcript variant X1,   |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |

| Field         | Value  |
|---------------|--|
| Accession     | XM_016671414.1   |
| Organism      | Poecilia formosa   |
| Length        | 3750   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Poecilia formosa phosphoglucomutase 2 (pgm2), transcript variant X2,      |
|               | $\mathrm{mRNA}$  |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |

| Field         | Value  |
|---------------|--|
| Accession     | XM_007551941.2   |
| Organism      | Poecilia formosa   |
| Length        | 4157   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Poecilia formosa phosphoglucomutase 2 (pgm2), transcript variant X1,      |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074630141.1  |
| Organism      | Sebastes fasciatus  |
| Length        | 2984  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Sebastes fasciatus phosphoglucomutase 2 (pgm2), mRNA                   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Scorpaenoidei, Sebastidae, Sebastinae, Sebastes                                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_070856574.1   |
| Organism      | Pempheris klunzingeri  |
| Length        | 2771   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Pempheris klunzingeri phosphoglucomutase 2 (pgm2), mRNA                   |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Acropomatiformes, |
|               | Pempheridae, Pempheris   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020101398.2  |
| Organism      | Paralichthys olivaceus  |
| Length        | 2801  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Paralichthys olivaceus phosphoglucomutase 2 (pgm2), mRNA                   |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Pleuronectiformes, |
|               | Pleuronectoidei, Paralichthyidae, Paralichthys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073470739.1  |
| Organism      | Pagrus major  |
| Length        | 2910  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Pagrus major phosphoglucomutase 2 (pgm2), mRNA                         |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Spariformes,   |
|               | Sparidae, Pagrus  |

| Value   |
|---|
| XM_005741162.1  |
| Pundamilia nyererei   |
| 2559  |
| mRNA  |
| PREDICTED: Pundamilia nyererei phosphoglucomutase 2 (pgm2), mRNA                          |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,         |
| Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Cichlomorphae,        |
| Cichliformes, Cichlidae, African cichlids, Pseudocrenilabrinae, Haplochromini, Pundamilia |
|   |

| Value   |
|---|
| XM_071503190.1  |
| Trachinotus anak  |
| 3036  |
| $\mathrm{mRNA}$   |
| PREDICTED: Trachinotus anak phosphoglucomutase 2 (pgm2), mRNA                     |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
| Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Carangiformes, |
| Carangidae, Trachinotus   |
|   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_028461854.1  |
| Organism      | Gouania willdenowi  |
| Length        | 3992  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Gouania willdenowi phosphoglucomutase 2 (pgm2), mRNA                     |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Blenniimorphae, |
|               | Blenniiformes, Gobiesocoidei, Gobiesocidae, Gobiesocinae, Gouania                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_015954157.3   |
| Organism      | Nothobranchius furzeri   |
| Length        | 2455   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Nothobranchius furzeri phosphoglucomutase 2 (pgm2), mRNA                  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Nothobranchiidae, Nothobranchius                                 |

| Field         | Value  |
|---------------|--|
| Accession     | XM_014013261.1   |
| Organism      | Austrofundulus limnaeus  |
| Length        | 3022   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Austrofundulus limnaeus phosphoglucomutase 2 (pgm2), mRNA                 |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Rivulidae, Austrofundulus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069697462.1  |
| Organism      | Brachyistius frenatus   |
| Length        | 2981  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Brachyistius frenatus phosphoglucomutase 2 (pgm2), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Embiotocidae, |
|               | Brachyistius  |
|               |   |

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|        |

| Field         | Value   |
|---------------|---|
| Accession     | XM_011619380.2  |
| Organism      | Takifugu rubripes   |
| Length        | 2812  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Takifugu rubripes phosphoglucomutase 2 (pgm2), mRNA                        |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Tetraodontiformes, |
|               | Tetradontoidea, Tetraodontidae, Takifugu  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067584598.1  |
| Organism      | Thunnus thynnus   |
| Length        | 2934  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Thunnus thynnus phosphoglucomutase 2 (pgm2), mRNA                      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Pelagiaria, Scombriformes, |
|               | Scombridae, Thunnus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_019876669.1   |
| Organism      | Hippocampus comes  |
| Length        | 2347   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Hippocampus comes phosphoglucomutase 2 (pgm2), mRNA                         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Syngnathiaria, Syngnathiformes, |
|               | Syngnathoidei, Syngnathidae, Hippocampus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_049719765.1   |
| Organism      | Syngnathus scovelli  |
| Length        | 2317   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Syngnathus scovelli phosphoglucomutase 2 (pgm2), mRNA                       |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Syngnathiaria, Syngnathiformes, |
|               | Syngnathoidei, Syngnathidae, Syngnathus  |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_010778044.1  |
| Organism      | Notothenia coriiceps  |
| Length        | 2904  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Notothenia coriiceps phosphoglucomutase 2 (pgm2), mRNA                 |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Notothenioidei, Nototheniidae, Notothenia   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069665823.1  |
| Organism      | Semicossyphus pulcher   |
| Length        | 3222  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Semicossyphus pulcher phosphoglucomutase 2 (pgm2), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Semicossyphus   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074682246.1  |
| Organism      | Halichoeres trimaculatus  |
| Length        | 2901  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Halichoeres trimaculatus phosphoglucomutase 2 (pgm2), mRNA             |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Halichoeres   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_032543412.1  |
| Organism      | Etheostoma spectabile   |
| Length        | 2316  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Etheostoma spectabile phosphoglucomutase 2 (pgm2), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Percoidei, Percidae, Etheostomatinae, Etheostoma                                  |

# 60 Gene: pgm2l1

| Value   |
|---|
| XM_069892240.1  |
| Narcine bancroftii  |
| 7060  |
| mRNA  |
| PREDICTED: Narcine bancroftii phosphoglucomutase 2-like 1 (pgm2l1), transcript      |
| variant X3, mRNA  |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
| Batoidea, Torpediniformes, Narcinidae, Narcine                                      |
|   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069892239.1  |
| Organism      | Narcine bancroftii  |
| Length        | 7228  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Narcine bancroftii phosphoglucomutase 2-like 1 (pgm2l1), transcript      |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Batoidea, Torpediniformes, Narcinidae, Narcine                                      |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069892238.1  |
| Organism      | Narcine bancroftii  |
| Length        | 7267  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Narcine bancroftii phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, Batoidea, Torpediniformes, Narcinidae, Narcine Taxonomy

| Field         | Value   |
|---------------|---|
| Accession     | XM_068033002.1  |
| Organism      | Heterodontus francisci  |
| Length        | 6560  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Heterodontus francisci phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Heterodontoidea, Heterodontiformes, Heterodontidae, Heterodontus      |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068033003.1  |
| Organism      | Heterodontus francisci  |
| Length        | 6325  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Heterodontus francisci phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Heterodontoidea, Heterodontiformes, Heterodontidae, Heterodontus      |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072576719.1  |
| Organism      | Chiloscyllium punctatum   |
| Length        | 5655  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2-like 1 (pgm2l1),            |
|               | transcript variant X4, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
| ·             | Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072576718.1  |
| Organism      | Chiloscyllium punctatum   |
| Length        | 5733  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2-like 1 (pgm2l1),            |
|               | transcript variant X3, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium            |

| Value  |
|--|
| XM_072576717.1   |
| Chiloscyllium punctatum  |
| 5940   |
| mRNA   |
| PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2-like 1 (pgm2l1), |
| transcript variant X2, mRNA  |
| RefSeq   |
|  |

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium Taxonomy

| Field         | Value   |
|---------------|---|
| Accession     | XM_072576716.1  |
| Organism      | Chiloscyllium punctatum   |
| Length        | 6028  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chiloscyllium punctatum phosphoglucomutase 2-like 1 (pgm2l1),            |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Galeoidea, Orectolobiformes, Hemiscylliidae, Chiloscyllium            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070891354.1  |
| Organism      | Pristiophorus japonicus   |
| Length        | 6396  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Pristiophorus japonicus phosphoglucomutase 2-like 1 (pgm2l1), mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, Squalomorphii, Pristiophoriformes, Pristiophoridae, Pristiophorus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072262471.1  |
| Organism      | Mobula birostris  |
| Length        | 5678  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Mobula birostris phosphoglucomutase 2-like 1 (pgm2l1), mRNA              |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Batoidea, Myliobatiformes, Mobula   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067985581.1  |
| Organism      | Heptranchias perlo  |
| Length        | 6587  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Heptranchias perlo phosphoglucomutase 2-like 1 (pgm2l1), mRNA            |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Squalomorphii, Hexanchiformes, Hexanchidae, Heptranchias                            |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072477505.1  |
| Organism      | Scyliorhinus torazame   |
| Length        | 6750  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Scyliorhinus torazame phosphoglucomutase 2-like 1 (pgm2l1), mRNA         |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Chondrichthyes, Elasmobranchii, |
|               | Galeomorphii, Galeoidea, Carcharhiniformes, Scyliorhinidae, Scyliorhinus            |

| Field         | Value   |
|---------------|---|
| Accession     | XM_064974115.1  |
| Organism      | Oncorhynchus masou masou  |
| Length        | 4114  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Oncorhynchus masou masou phosphoglucomutase 2-like 1 (pgm2l1),           |
|               | transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, |
|               | Oncorhynchus  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_029680346.2   |
| Organism      | Oncorhynchus nerka   |
| Length        | 4132   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Oncorhynchus nerka phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Oncorhynchus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_029680347.1   |
| Organism      | Oncorhynchus nerka   |
| Length        | 3953   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Oncorhynchus nerka phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X3, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Oncorhynchus |

| Value   |
|---|
| XM_023982700.2  |
| Salvelinus sp. IW2-2015   |
| 2602  |
| mRNA  |
| PREDICTED: Salvelinus sp. IW2-2015 phosphoglucomutase 2-like 1 (pgm2l1), mRNA       |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
| Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, |
| Salvelinus  |
|   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_029680348.2   |
| Organism      | Oncorhynchus nerka   |
| Length        | 3919   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Oncorhynchus nerka phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X4, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                |
| •             | Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Oncorhynchus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_064974117.1  |
| Organism      | Oncorhynchus masou masou  |
| Length        | 4123  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Oncorhynchus masou masou phosphoglucomutase 2-like 1 (pgm2l1),           |
|               | transcript variant X3, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, |
|               | Oncorhynchus  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_064974114.1   |
| Organism      | Oncorhynchus masou masou   |
| Length        | 4647   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Oncorhynchus masou masou phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Oncorhynchus |

| Value  |
|--|
| XM_071359363.1   |
| Salvelinus alpinus   |
| 4525   |
| mRNA   |
| PREDICTED: Salvelinus alpinus phosphoglucomutase 2-like 1 (pgm2l1), mRNA                       |
| RefSeq   |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,              |
| Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Salvelinus |
|  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_029680345.2   |
| Organism      | Oncorhynchus nerka   |
| Length        | 4469   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Oncorhynchus nerka phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Protacanthopterygii, Salmoniformes, Salmonidae, Salmoninae, Oncorhynchus |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067246880.1   |
| Organism      | Osmerus mordax   |
| Length        | 3330   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Osmerus mordax phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Stomiati, Osmeriformes, Osmeridae, Osmerus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_067246879.1  |
| Organism      | Osmerus mordax  |
| Length        | 3989  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Osmerus mordax phosphoglucomutase 2-like 1 (pgm2l1), transcript        |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Stomiati, Osmeriformes, Osmeridae, Osmerus                |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065281851.2   |
| Organism      | Paramisgurnus dabryanus  |
| Length        | 3599   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Paramisgurnus dabryanus phosphoglucomutase 2-like 1 (pgm2l1),                 |
|               | transcript variant X2, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,        |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cobitidae, Cobitinae, Paramisgurnus |

| Field         | Value  |
|---------------|--|
| Accession     | XM_065281850.2   |
| Organism      | Paramisgurnus dabryanus  |
| Length        | 3754   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Paramisgurnus dabryanus phosphoglucomutase 2-like 1 (pgm2l1),                 |
|               | transcript variant X1, mRNA  |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,        |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cobitidae, Cobitinae, Paramisgurnus |

| Field         | value  |
|---------------|--|
| Accession     | XM_055195652.2   |
| Organism      | Misgurnus anguillicaudatus   |
| Length        | 2746   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Misgurnus anguillicaudatus phosphoglucomutase 2-like 1 (pgm2l1), mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cobitidae, Cobitinae, Misgurnus |
|               |  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073922982.1  |
| Organism      | Danio rerio   |
| Length        | 6382  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Danio rerio phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Danionidae, Danioninae, Danio  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073922981.1  |
| Organism      | Danio rerio   |
| Length        | 3789  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Danio rerio phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, |
|               | mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Danionidae, Danioninae, Danio  |

| $\mathbf{Field}$ | Value  |
|------------------|--|
| Accession        | NM_001098485.2   |
| Organism         | Danio rerio  |
| Length           | 3342   |
| Molecule Type    | mRNA   |
| Description      | Danio rerio phosphoglucomutase 2-like 1 (pgm2l1), mRNA                             |
| Keywords         | $\operatorname{RefSeq}$  |
| Taxonomy         | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|                  | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Danionidae, Danioninae, Danio |
|                  |  |

| Value   |
|---|
| XM_016571839.1  |
| Sinocyclocheilus rhinocerous  |
| 3976  |
| mRNA  |
| PREDICTED: Sinocyclocheilus rhinocerous phosphoglucomutase 2-like 1 (pgm2l1), mRNA  |
| RefSeg  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cyprinidae, Cyprininae, Sinocyclocheilus |
|   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073817802.1  |
| Organism      | Garra rufa  |
| Length        | 3057  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Garra rufa phosphoglucomutase 2-like 1 (pgm2l1), mRNA                      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cyprinidae, Labeoninae, Garrini, |
|               | Garra   |
|               |   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067450115.1   |
| Organism      | Pseudorasbora parva  |
| Length        | 3097   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pseudorasbora parva phosphoglucomutase 2-like 1 (pgm2l1), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
| ·             | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Gobionidae, Sarcocheilichthyinae, |
|               | Pseudorasbora  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067366017.1   |
| Organism      | Chanodichthys erythropterus  |
| Length        | 3199   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Chanodichthys erythropterus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                        |
|               | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Xenocyprididae, Xenocypridinae,                     |
|               | Chanodichthys  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_067366016.1   |
| Organism      | Chanodichthys erythropterus  |
| Length        | 3727   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Chanodichthys erythropterus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                        |
| ·             | Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Xenocyprididae, Xenocypridinae, Chanodichthys       |

| Field         | Value   |
|---------------|---|
| Accession     | XM_066665351.1  |
| Organism      | Hoplias malabaricus   |
| Length        | 4621  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Hoplias malabaricus phosphoglucomutase 2-like 1 (pgm2l1), mRNA               |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,       |
|               | Neopterygii, Teleostei, Ostariophysi, Characiformes, Characoidei, Erythrinidae, Hoplias |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072691846.1   |
| Organism      | Salminus brasiliensis  |
| Length        | 4322   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Salminus brasiliensis phosphoglucomutase 2-like 1 (pgm2l1), transcript      |
|               | variant X1, mRNA   |
| Keywords      | $\operatorname{RefSeq}$  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Ostariophysi, Characiformes, Characoidei, Salmininae, Salminus |

| Field         | value   |
|---------------|---|
| Accession     | XM_072702133.1  |
| Organism      | Paramormyrops kingsleyae  |
| Length        | 5964  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Paramormyrops kingsleyae phosphoglucomutase 2-like 1 (pgm2l1),         |
|               | transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, |
|               | Mormyridae, Paramormyrops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_072702132.1  |
| Organism      | Paramormyrops kingsleyae  |
| Length        | 6039  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Paramormyrops kingsleyae phosphoglucomutase 2-like 1 (pgm2l1),         |
|               | transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes, |
|               | Mormyridae, Paramormyrops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_023800626.2  |
| Organism      | Paramormyrops kingsleyae  |
| Length        | 5961  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Paramormyrops kingsleyae phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X3, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                     |
|               | Neopterygii, Teleostei, Osteoglossocephala, Osteoglossomorpha, Osteoglossiformes,                     |
|               | Mormyridae, Paramormyrops   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_015341687.2  |
| Organism      | Lepisosteus oculatus  |
| Length        | 7084  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X4, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Field         | Value   |
|---------------|---|
| Accession     | XM_015341684.2  |
| Organism      | Lepisosteus oculatus  |
| Length        | 7190  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterveji, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Field         | Value   |
|---------------|---|
| Accession     | XM_015341686.2  |
| Organism      | Lepisosteus oculatus  |
| Length        | 7094  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X3, mRNA |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                 |

| Field         | Value   |
|---------------|---|
| Accession     | XM_015341688.2  |
| Organism      | Lepisosteus oculatus  |
| Length        | 6984  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X5, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Field         | Value   |
|---------------|---|
| Accession     | XM_006627900.3  |
| Organism      | Lepisosteus oculatus  |
| Length        | 7274  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neoptervgii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Field         | Value   |
|---------------|---|
| Accession     | XM_015341689.2  |
| Organism      | Lepisosteus oculatus  |
| Length        | 6873  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X6, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |

| Value   |
|---|
| XM_015341690.2  |
| Lepisosteus oculatus  |
| 6904  |
| mRNA  |
| PREDICTED: Lepisosteus oculatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
| variant X7, mRNA  |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
| Neopterygii, Holostei, Semionotiformes, Lepisosteidae, Lepisosteus                |
|   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066699101.1   |
| Organism      | Amia calva   |
| Length        | 7155   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X3, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066699102.1   |
| Organism      | Amia calva   |
| Length        | 6802   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X4, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                   |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066699100.1   |
| Organism      | Amia calva   |
| Length        | 6817   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066699103.1   |
| Organism      | Amia calva   |
| Length        | 7138   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X5, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_066699099.1   |
| Organism      | Amia calva   |
| Length        | 6823   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Amia calva phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, |
|               | mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,  |
|               | Neopterygii, Holostei, Amiiformes, Amiidae, Amia                                   |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_014020810.1   |
| Organism      | Austrofundulus limnaeus  |
| Length        | 2242   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Austrofundulus limnaeus phosphoglucomutase 2-like 1 (pgm2l1), mRNA        |
| Keywords      | RefSeq, corrected model  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Rivulidae, Austrofundulus  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_019860712.1   |
| Organism      | Hippocampus comes  |
| Length        | 2263   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Hippocampus comes phosphoglucomutase 2-like 1 (pgm2l1), mRNA                |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Syngnathiaria, Syngnathiformes, |
|               | Syngnathoidei, Syngnathidae, Hippocampus   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_057830055.1   |
| Organism      | Corythoichthys intestinalis  |
| Length        | 2215   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Corythoichthys intestinalis phosphoglucomutase 2-like 1 (pgm2l1), mRNA      |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Syngnathiaria, Syngnathiformes, |
|               | Syngnathoidei, Syngnathidae, Corythoichthys  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_061972462.2   |
| Organism      | Nerophis lumbriciformis  |
| Length        | 5127   |
| Molecule Type | $\mathrm{mRNA}$  |
| Description   | PREDICTED: Nerophis lumbriciformis phosphoglucomutase 2-like 1 (pgm2l1), mRNA          |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,      |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Syngnathiaria, Syngnathiformes, |
|               | Syngnathoidei, Syngnathidae, Nerophis  |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_070828875.1   |
| Organism      | Pempheris klunzingeri  |
| Length        | 2199   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pempheris klunzingeri phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                  |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Acropomatiformes,               |
|               | Pempheridae, Pempheris   |

| Field         | Value   |
|---------------|---|
| Accession     | $XM_067595700.1$  |
| Organism      | Thunnus thynnus   |
| Length        | 3745  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Thunnus thynnus phosphoglucomutase 2-like 1 (pgm2l1), mRNA             |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Pelagiaria, Scombriformes, |
|               | Scombridae. Thunnus   |

| Field         | Value   |
|---------------|---|
| Accession     | $XM\_067506224.1$   |
| Organism      | Channa argus  |
| Length        | 3894  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Channa argus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant    |
|               | X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Anabantaria, Anabantiformes, |
|               | Channoidei, Channidae, Channa   |

| Field         | Value   |
|---------------|---|
| Accession     | $XM_067506225.1$  |
| Organism      | Channa argus  |
| Length        | 7132  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Channa argus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant    |
|               | X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Anabantaria, Anabantiformes, |
|               | Channoidei, Channidae, Channa   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_070905466.1   |
| Organism      | Enoplosus armatus  |
| Length        | 3375   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Enoplosus armatus phosphoglucomutase 2-like 1 (pgm2l1), transcript        |
|               | variant X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
| ·             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Centrarchiformes, |
|               | Centrarchoidei, Enoplosidae, Enoplosus   |

| ${f Field}$   | Value   |
|---------------|---|
| Accession     | XM_070905465.1  |
| Organism      | Enoplosus armatus   |
| Length        | 3653  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Enoplosus armatus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Centrarchiformes, Centrarchoidei, Enoplosidae, Enoplosus |

| Field         | Value   |
|---------------|---|
| Accession     | XM_073491147.1  |
| Organism      | Pagrus major  |
| Length        | 2995  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pagrus major phosphoglucomutase 2-like 1 (pgm2l1), mRNA                |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
| •             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Spariformes,   |
|               | Sparidae, Pagrus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_070970618.1  |
| Organism      | Chaetodon trifascialis  |
| Length        | 3381  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Chaetodon trifascialis phosphoglucomutase 2-like 1 (pgm2l1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Chaetodontiformes, |
|               | Chaetodontidae, Chaetodon   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_008426779.2  |
| Organism      | Poecilia reticulata   |
| Length        | 3021  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Poecilia reticulata phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia |

| Field         | Value  |
|---------------|--|
| Accession     | XM_008426778.2   |
| Organism      | Poecilia reticulata  |
| Length        | 3028   |
| Molecule Type | ${ m mRNA}$  |
| Description   | PREDICTED: Poecilia reticulata phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae,             |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia   |
|               |  |

| Field         | Value  |
|---------------|--|
| Accession     | XM_007573729.2   |
| Organism      | Poecilia formosa   |
| Length        | 2598   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Poecilia formosa phosphoglucomutase 2-like 1 (pgm2l1), transcript variant |
|               | X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |

| Field         | Value  |
|---------------|--|
| Accession     | XM_007573730.2   |
| Organism      | Poecilia formosa   |
| Length        | 2592   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Poecilia formosa phosphoglucomutase 2-like 1 (pgm2l1), transcript variant |
|               | X2, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
| v             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Poeciliidae, Poeciliinae, Poecilia                               |

| Field         | Value  |
|---------------|--|
| Accession     | XM_054742395.2   |
| Organism      | Nothobranchius furzeri   |
| Length        | 2982   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Nothobranchius furzeri phosphoglucomutase 2-like 1 (pgm2l1), mRNA         |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Cyprinodontiformes, Nothobranchiidae, Nothobranchius                                 |

| Field         | Value  |
|---------------|--|
| Accession     | XM_072462421.1   |
| Organism      | Eucyclogobius newberryi  |
| Length        | 3030   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Eucyclogobius newberryi phosphoglucomutase 2-like 1 (pgm2l1), mRNA            |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,        |
| ·             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Gobiaria, Gobiiformes, Gobioidei. |
|               | Gobiidae, Gobionellinae, Eucyclogobius   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_029844217.1  |
| Organism      | Takifugu rubripes   |
| Length        | 2654  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Takifugu rubripes phosphoglucomutase 2-like 1 (pgm2l1), mRNA               |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,     |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Tetraodontiformes, |
|               | Tetradontoidea, Tetraodontidae, Takifugu  |

| Value   |
|---|
| XM_068316690.1  |
| Antennarius striatus  |
| 2929  |
| mRNA  |
| PREDICTED: Antennarius striatus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA   |
| RefSeq  |
| Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Lophiiformes, Antennarioidei, Antennariidae, Antennarius |
|   |

| F'ield        | Value   |
|---------------|---|
| Accession     | XM_068316691.1  |
| Organism      | Antennarius striatus  |
| Length        | 2761  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Antennarius striatus phosphoglucomutase 2-like 1 (pgm2l1), transcript  |
|               | variant X3, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Lophiiformes,  |
|               | Antennarioidei, Antennariidae, Antennarius  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068316688.1  |
| Organism      | Antennarius striatus  |
| Length        | 3033  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Antennarius striatus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                 |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Lophiiformes,                  |
|               | Antennarioidei, Antennariidae, Antennarius  |

| Field         | Value  |
|---------------|--|
| Accession     | XM 072391814.1   |
| Organism      | Leuresthes tenuis  |
| Length        | 3585   |
| Molecule Type | $_{ m mRNA}$   |
| Description   | PREDICTED: Leuresthes tenuis phosphoglucomutase 2-like 1 (pgm2l1), mRNA              |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,    |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Atherinomorphae, |
|               | Atheriniformes, Atherinopsidae, Atherinopsinae, Leuresthes                           |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069534783.1  |
| Organism      | Paralichthys olivaceus  |
| Length        | 3057  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Paralichthys olivaceus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X4, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Pleuronectiformes,               |
|               | Pleuronectoidei, Paralichthyidae, Paralichthys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069534781.1  |
| Organism      | Paralichthys olivaceus  |
| Length        | 3167  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Paralichthys olivaceus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Pleuronectiformes,               |
|               | Pleuronectoidei, Paralichthyidae, Paralichthys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069534780.1  |
| Organism      | Paralichthys olivaceus  |
| Length        | 3191  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Paralichthys olivaceus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                   |
| Ţ.            | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Pleuronectiformes,               |
|               | Pleuronectoidei, Paralichthyidae, Paralichthys  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_028464402.1  |
| Organism      | Gouania willdenowi  |
| Length        | 2323  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Gouania willdenowi phosphoglucomutase 2-like 1 (pgm2l1), transcript      |
|               | variant X1, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Blenniimorphae, |
|               | Blenniiformes, Gobiesocoidei, Gobiesocidae, Gobiesocinae, Gouania                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_028464403.1  |
| Organism      | Gouania willdenowi  |
| Length        | 2322  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Gouania willdenowi phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,   |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Blenniimorphae, Blenniiformes, Gobiesocoidei, Gobiesocidae, Gobiesocinae, Gouania |

| Field         | Value   |
|---------------|---|
| Accession     | XM_071495913.1  |
| Organism      | Trachinotus anak  |
| Length        | 4165  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Trachinotus anak phosphoglucomutase 2-like 1 (pgm2l1), mRNA            |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Carangaria, Carangiformes, |
|               | Carangidae, Trachinotus   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_020657160.3  |
| Organism      | Labrus bergylta   |
| Length        | 2495  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Labrus bergylta phosphoglucomutase 2-like 1 (pgm2l1), mRNA             |
| Keywords      | $\operatorname{RefSeq}$   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Labrus  |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074679202.1  |
| Organism      | Halichoeres trimaculatus  |
| Length        | 3369  |
| Molecule Type | ${ m mRNA}$   |
| Description   | PREDICTED: Halichoeres trimaculatus phosphoglucomutase 2-like 1 (pgm2l1), mRNA    |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Halichoeres   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069668037.1  |
| Organism      | Semicossyphus pulcher   |
| Length        | 3361  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Semicossyphus pulcher phosphoglucomutase 2-like 1 (pgm2l1), mRNA       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Labriformes,   |
|               | Labridae, Semicossyphus   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068584043.1  |
| Organism      | Clinocottus analis  |
| Length        | 3066  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Clinocottus analis phosphoglucomutase 2-like 1 (pgm2l1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Cottioidei, Cottales, Cottidae, Clinocottus                                       |

| Field         | Value   |
|---------------|---|
| Accession     | XM_068705190.1  |
| Organism      | Cebidichthys violaceus  |
| Length        | 2962  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Cebidichthys violaceus phosphoglucomutase 2-like 1 (pgm2l1), mRNA      |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
| ·             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Cottioidei, Zoarcales, Stichaeidae, Xiphisterinae, Cebidichthys                   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_074640859.1  |
| Organism      | Sebastes fasciatus  |
| Length        | 2725  |
| Molecule Type | $_{ m mRNA}$  |
| Description   | PREDICTED: Sebastes fasciatus phosphoglucomutase 2-like 1 (pgm2l1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes,   |
|               | Scorpaenoidei, Sebastidae, Sebastinae, Sebastes                                   |

| Field         | Value  |
|---------------|--|
| Accession     | XM_063494404.1   |
| Organism      | Pelmatolapia mariae  |
| Length        | 3078   |
| Molecule Type | mRNA   |
| Description   | PREDICTED: Pelmatolapia mariae phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA   |
| Keywords      | RefSeq   |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Cichlomorphae, Cichliformes, Cichlidae, African cichlids, Pseudocrenilabrinae, Pelmatolapiini, |
|               | Pelmatolapia   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063494405.1  |
| Organism      | Pelmatolapia mariae   |
| Length        | 2833  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Pelmatolapia mariae phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA  |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Cichlomorphae, Cichliformes, Cichlidae, African cichlids, Pseudocrenilabrinae, Pelmatolapiini, Pelmatolapia |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063906884.1  |
| Organism      | Eleginops maclovinus  |
| Length        | 3012  |
| Molecule Type | $\mathrm{mRNA}$   |
| Description   | PREDICTED: Eleginops maclovinus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X1, mRNA   |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes, Notothenioidei, Eleginopidae, Eleginops |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_063906885.1  |
| Organism      | Eleginops maclovinus  |
| Length        | 2883  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Eleginops maclovinus phosphoglucomutase 2-like 1 (pgm2l1), transcript variant X2, mRNA                       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii,                                       |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Eupercaria, Perciformes, Notothenioidei, Eleginopidae, Eleginops |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069710424.1  |
| Organism      | Brachyistius frenatus   |
| Length        | 2823  |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Brachyistius frenatus phosphoglucomutase 2-like 1 (pgm2l1), mRNA       |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
|               | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Embiotocidae, |
|               | Brachyistius  |
|               |   |

| Field         | Value   |
|---------------|---|
| Accession     | XM_069173050.1  |
| Organism      | Embiotoca jacksoni  |
| Length        | 13393   |
| Molecule Type | mRNA  |
| Description   | PREDICTED: Embiotoca jacksoni phosphoglucomutase 2-like 1 (pgm2l1), mRNA          |
| Keywords      | RefSeq  |
| Taxonomy      | Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, |
| •             | Neopterygii, Teleostei, Neoteleostei, Acanthomorphata, Ovalentaria, Embiotocidae, |
|               | Embiotoca   |

## 61 Gene: tbp1

| Field         | Value   |
|---------------|---|
| Accession     | JAPDRQ010000010.1   |
| Organism      | Neophaeococcomyces mojaviensis  |
| Length        | 260712  |
| Molecule Type | DNA   |
| Description   | Neophaeococcomyces mojaviensis strain JES_112 scaffold_10, whole genome shotgun |
|               | sequence  |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Eurotiomycetes,          |
|               | Chaetothyriomycetidae, Chaetothyriales, Chaetothyriales incertae sedis,         |
|               | Neophaeococcomyces  |

## 62 Gene: vip1

| Field         | Value   |
|---------------|---|
| Accession     | JAKJXO020000002.1   |
| Organism      | Paraconiothyrium brasiliense  |
| Length        | 3244158   |
| Molecule Type | DNA   |
| Description   | Paraconiothyrium brasiliense strain M42-189 scaffold_2, whole genome shotgun sequence |
| Keywords      | WGS   |
| Taxonomy      | Eukaryota, Fungi, Dikarya, Ascomycota, Pezizomycotina, Dothideomycetes,               |
| •             | Pleosporomycetidae, Pleosporales, Massarineae, Didymosphaeriaceae, Paraconiothyrium   |