Dear everyone,

I hope you all had a great Thanksgiving! Now that we're back to work, I wanted to send you a brief list of our recent changes for your review.

I believe we sent you one of these before, in a draft version of our report. Have you had a chance to consider that change? If not, that's okay because the updated changes are below:
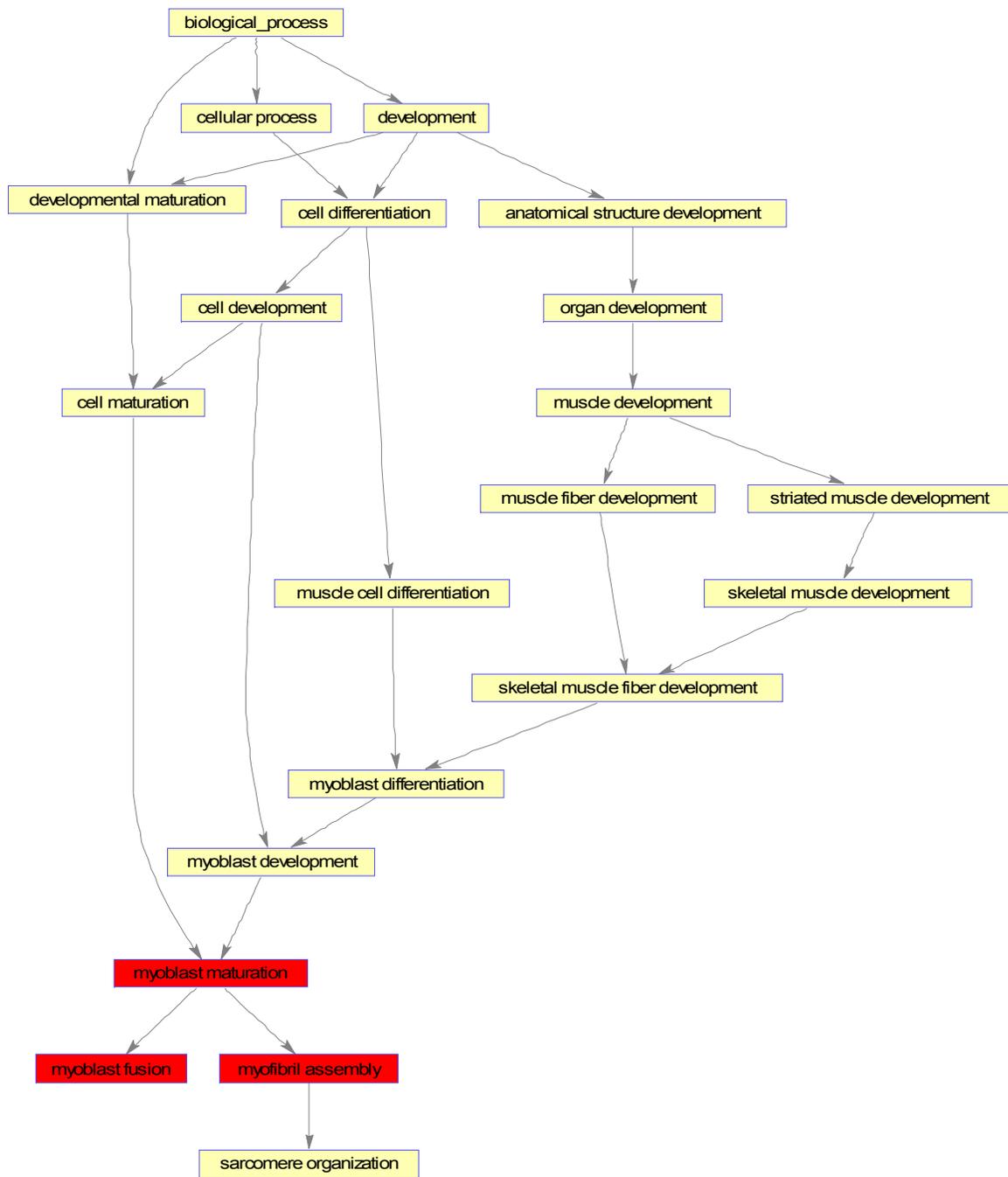
Problem: These three nodes were TOO GENERAL
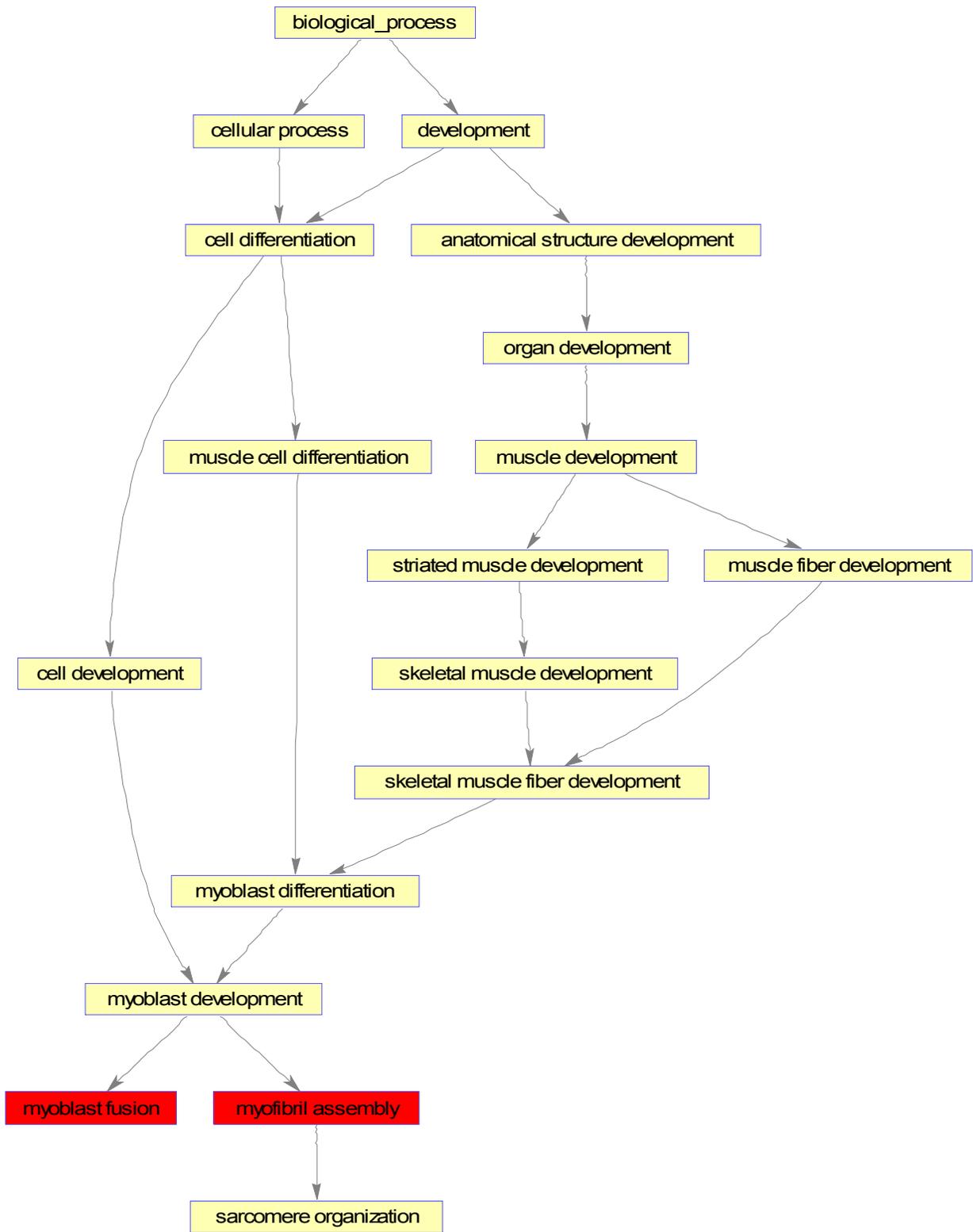Myoblast Maturation (48628)
 -> Myoblast Fusion (7520)
 -> Myofibril Assembly (30239)
Solution: Delete myoblast maturation. So that the two children nodes are moved up (and no longer too general) and one too general node is gone.
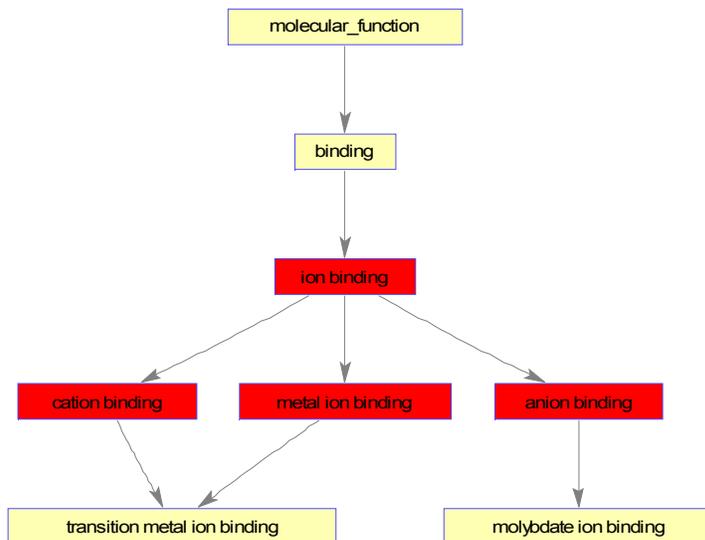
(See Figures Below)

```
biological_process
    │
    ├──────────────┬──────────────┐
    │              │              │
cellular process   development
    │              │
    ├──────────────┼──────────────────────────┐
    │              │                           │
developmental maturation    cell differentiation    anatomical structure development
    │                 │                               │
    │            cell development              organ development
    │                 │                               │
    │                 │                          muscle development
    │            cell maturation                     │
    │                 │                    ┌──────────┴──────────┐
    │                 │          muscle fiber development   striated muscle development
    │                 │                    │                      │
    │            muscle cell differentiation          skeletal muscle development
    │                 │                    │                      │
    │                 │          skeletal muscle fiber development
    │                 │                    │
    │            myoblast differentiation
    │                 │
myoblast development
    │
myoblast maturation
    │
    ├──────────────┐
myoblast fusion   myofibril assembly
                        │
                  sarcomere organization
```

BEFORE

```
                          biological_process

              cellular process        development

        cell differentiation      anatomical structure development

                                          organ development

        muscle cell differentiation       muscle development

                            striated muscle development      muscle fiber development

   cell development           skeletal muscle development

                            skeletal muscle fiber development

                    myoblast differentiation

        myoblast development

   myoblast fusion       myofibril assembly

                    sarcomere organization
```
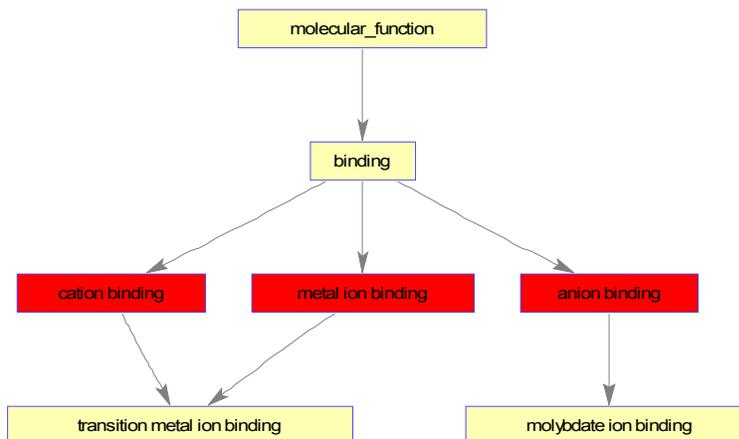
AFTER

Problem: TOO GENERAL
Cation Binding (43169) & Metal Ion Binding (46872)
Solution: Delete parent node "Ion Binding" (43167), causing these two children nodes to be moved up and no longer be too general.
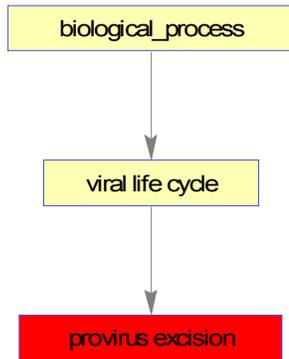
```
                        molecular_function
                               │
                               ▼
                            binding
                               │
                               ▼
                          ion binding
                    ╱          │          ╲
                   ▼           ▼           ▼
           cation binding  metal ion binding  anion binding
                    ╲          │                    │
                     ▼         ▼                    ▼
               transition metal ion binding   molybdate ion binding
```

BEFORE

```
                        molecular_function
                               │
                               ▼
                            binding
                    ╱          │          ╲
                   ▼           ▼           ▼
           cation binding  metal ion binding  anion binding
                    ╲          │                    │
                     ▼         ▼                    ▼
               transition metal ion binding   molybdate ion binding
```
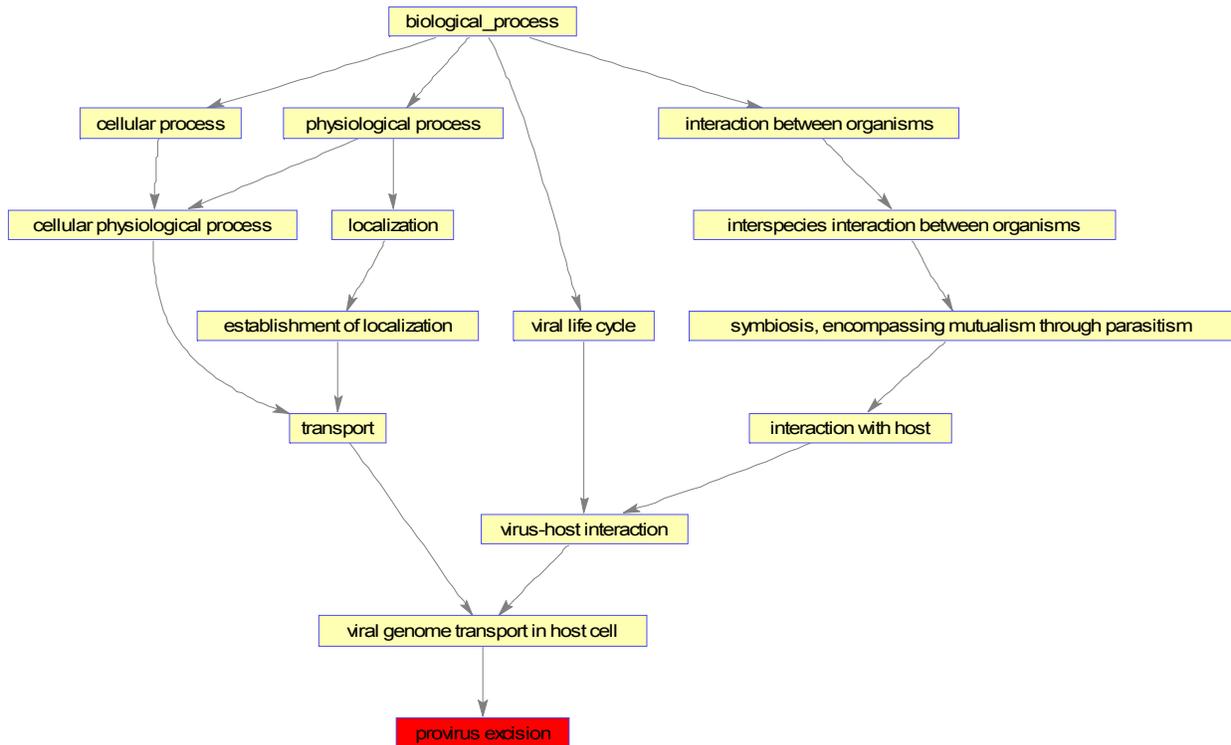
AFTER

Problem: TOO SPECIFIC
Provirus Excision (32359) at level 2
Solution: Move this to level 7 as a child node of "Viral Genome Transport in Host Cell"
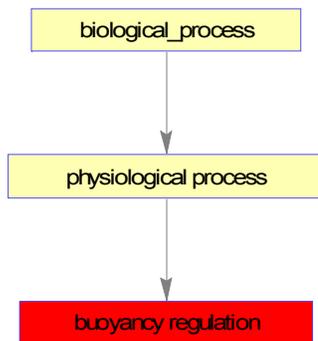(46796). This solves the too specific problem.

```
                    biological_process
                            |
                            v
                     viral life cycle
                            |
                            v
                     provirus excision
```

BEFORE

```
                         biological_process
           /          |              \              \
  cellular process  physiological process    interaction between organisms
      |       \        |        \                          |
 cellular physiological process  localization       interspecies interaction between organisms
           |            \         |         \                    |
    establishment of localization   viral life cycle   symbiosis, encompassing mutualism through parasitism
           |                  |                              |
        transport             |                     interaction with host
           |            virus-host interaction              |
            \                 |                             /
              viral genome transport in host cell
                            |
                            v
                     provirus excision
```
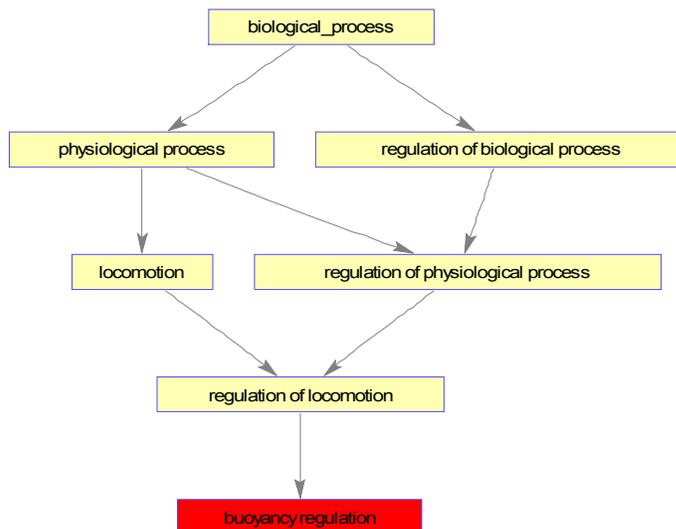
AFTER

Problem: TOO SPECIFIC
Buoyancy Regulation (31413) at level 2
Solution: Move this to level 4 as a child node of "Regulation of Locomotion" (40012). This solves the problem.

BEFORE

AFTER

I know you're all quite busy. But if someone could take a second to review these changes and potentially implement them to the GO if they're acceptable, I would greatly appreciate it and it would be good feedback for our work.

Thanks again for your time, everyone. I look forward to hearing from you.

Sincerely,
Jonathan