gc030 genes
cts: cilia

HoiH23
p=446
+34 | −23

HoiH23

Hoilungia
p=435
+65 | −0

Hhon
p=440
+51 | −46

Hhon

TrH2
p=434
+64 | −0

TrH2

Trichoplax
p=370
+0 | −0

Tadh
p=0
+0 | −370

Tadh

- new expression & new gene
- new expression & old gene
- already expressed
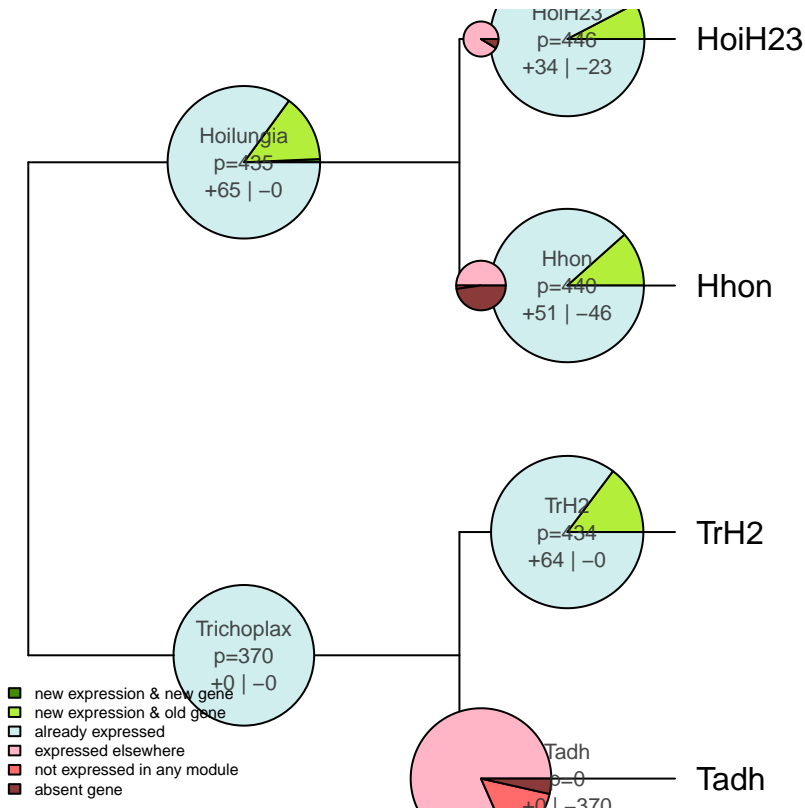- expressed elsewhere
- not expressed in any module
- absent gene

root expressed p=370 (out of 571 conserved)
total genes n=584

100

50

10

5

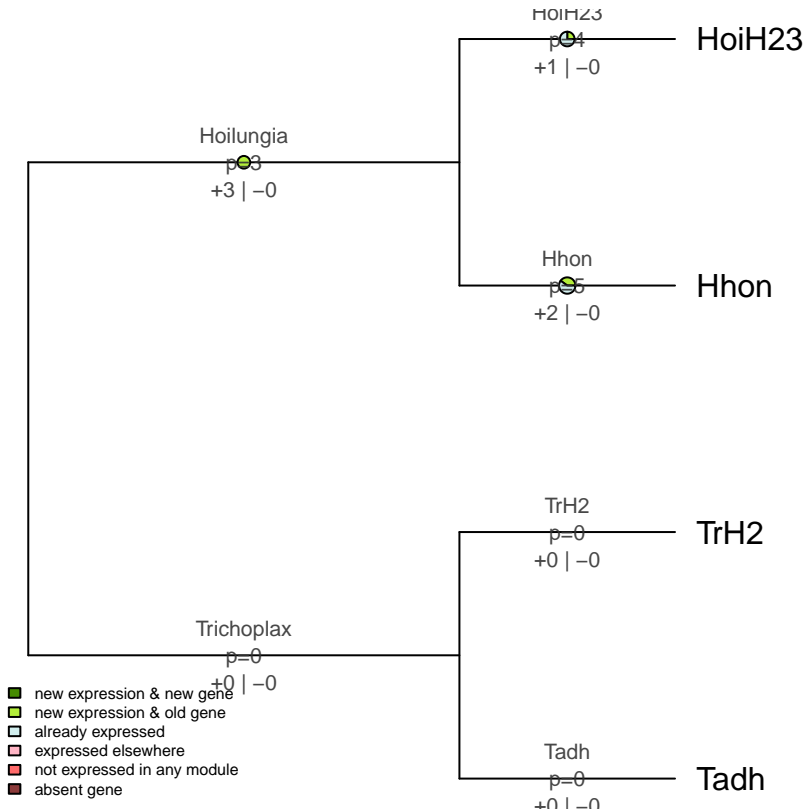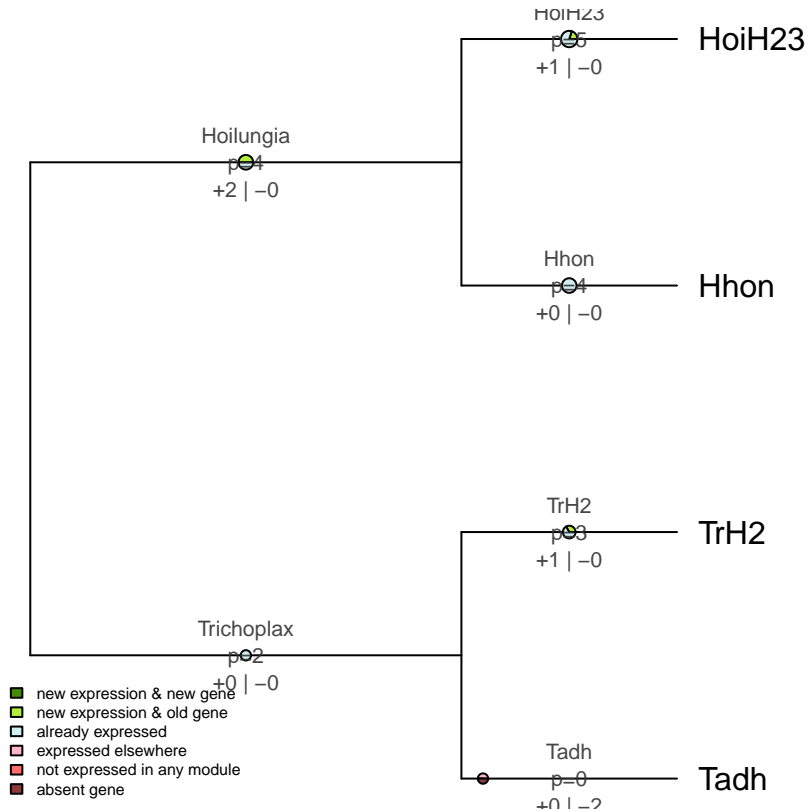# gc030 tfs genes
cts: cilia

HoiH23
p=4
+1 | −0 → HoiH23

Hoilungia
p=3
+3 | −0

Hhon
p=5
+2 | −0 → Hhon

TrH2
p=0
+0 | −0 → TrH2

Trichoplax
p=0
+0 | −0

Tadh
p=0
+0 | −0 → Tadh

- ■ new expression & new gene
- ■ new expression & old gene
- □ already expressed
- ■ expressed elsewhere
- ■ not expressed in any module
- ■ absent gene

root expressed p=0 (out of 299 conserved)
total genes n=584

gc030 neu genes
cts: cilia

HoiH23
p=5
+1 | −0

HoiH23

Hoilungia
p=4
+2 | −0

Hhon
p=4
+0 | −0

Hhon

TrH2
p=3
+1 | −0

TrH2

Trichoplax
p=2
+0 | −0

Tadh
p=0
+0 | −2

Tadh

- ■ new expression & new gene
- ■ new expression & old gene
- □ already expressed
- ■ expressed elsewhere
- ■ not expressed in any module
- ■ absent gene

root expressed p=2 (out of 404 conserved)
total genes n=584

gc030 ion genes
cts: cilia

HoiH23
p=2
+1 | −0
HoiH23

Hoilungia
p=1
+0 | −0

Hhon
p=5
+4 | −0
Hhon

TrH2
p=3
+2 | −0
TrH2

Trichoplax
p=1
+0 | −0

Tadh
p=0
+0 | −1
Tadh

- ■ new expression & new gene
- ■ new expression & old gene
- □ already expressed
- ■ expressed elsewhere
- ■ not expressed in any module
- ■ absent gene
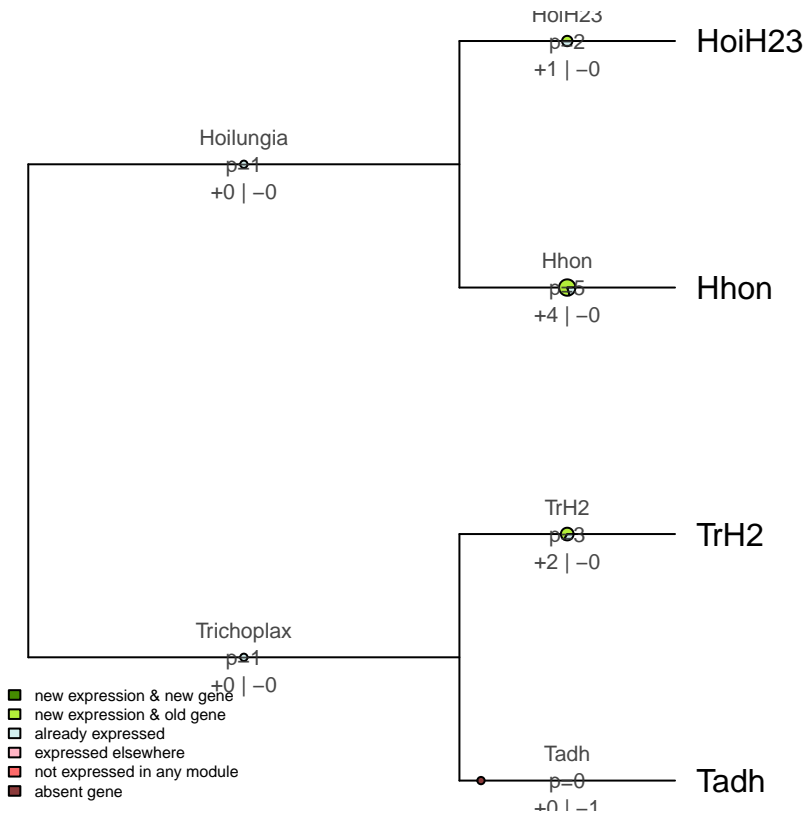
root expressed p=1 (out of 96 conserved)
total genes n=584

gc030 sig genes
cts: cilia

HoiH23
p=4
+2 | −1
HoiH23

Hoilungia
p=13
+4 | −0

Hhon
p=12
+0 | −1
Hhon

TrH2
p=1
+2 | −0
TrH2

Trichoplax
p=0
+0 | −0

Tadh
p=0
+0 | −9
Tadh

- ■ new expression & new gene
- ■ new expression & old gene
- □ already expressed
- ■ expressed elsewhere
- ■ not expressed in any module
- ■ absent gene
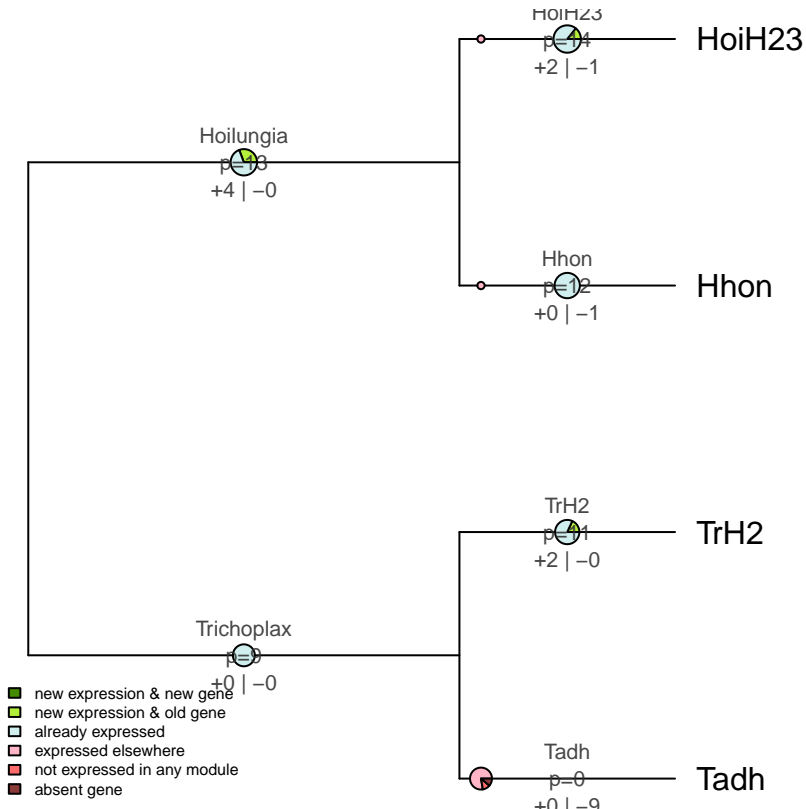
root expressed p=9 (out of 859 conserved)
total genes n=584

gc030 siggpcr genes
cts: cilia

HoiH23
p=2
+1 | −0

HoiH23

Hoilungia
p=1
+1 | −0

Hhon
p=1
+0 | −0

Hhon

TrH2
p=0
+0 | −0

TrH2

Trichoplax
p=0
+0 | −0

Tadh
p=0
+0 | −0

Tadh

■ new expression & new gene
■ new expression & old gene
□ already expressed
■ expressed elsewhere
■ not expressed in any module
■ absent gene
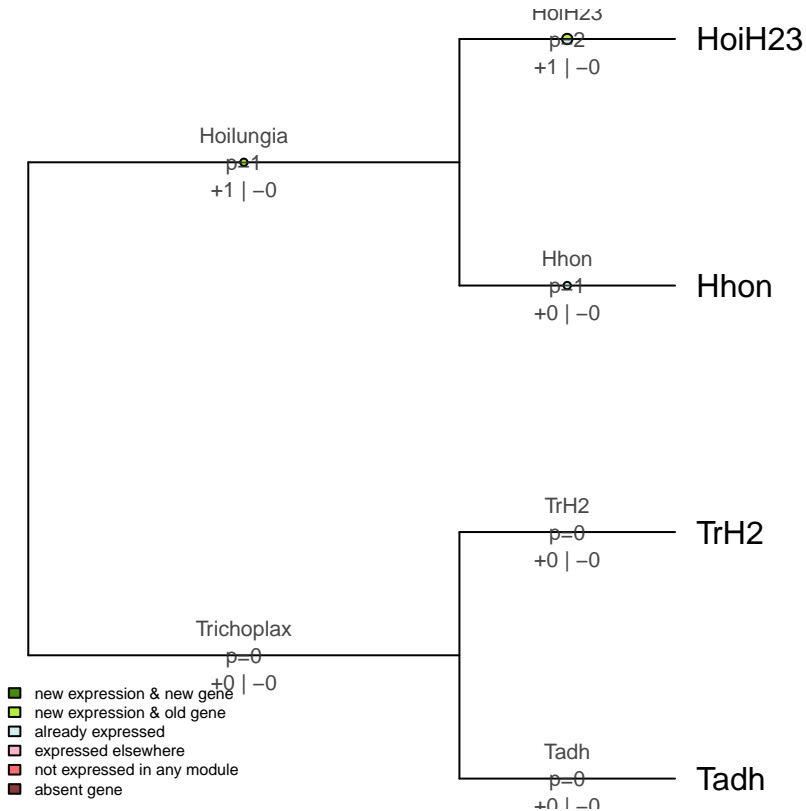
root expressed p=0 (out of 580 conserved)
total genes n=584

gc030 flag genes
cts: cilia

HoiH23
p=28
+1 | −2

HoiH23

Hoilungia
p=21
+4 | −0

Hhon
p=26
+3 | −1

Hhon

TrH2
p=21
+4 | −0

TrH2

Trichoplax
p=17
+0 | −0

Tadh
p=0
+0 | −17

Tadh

- ■ new expression & new gene
- ■ new expression & old gene
- ■ already expressed
- ■ expressed elsewhere
- ■ not expressed in any module
- ■ absent gene
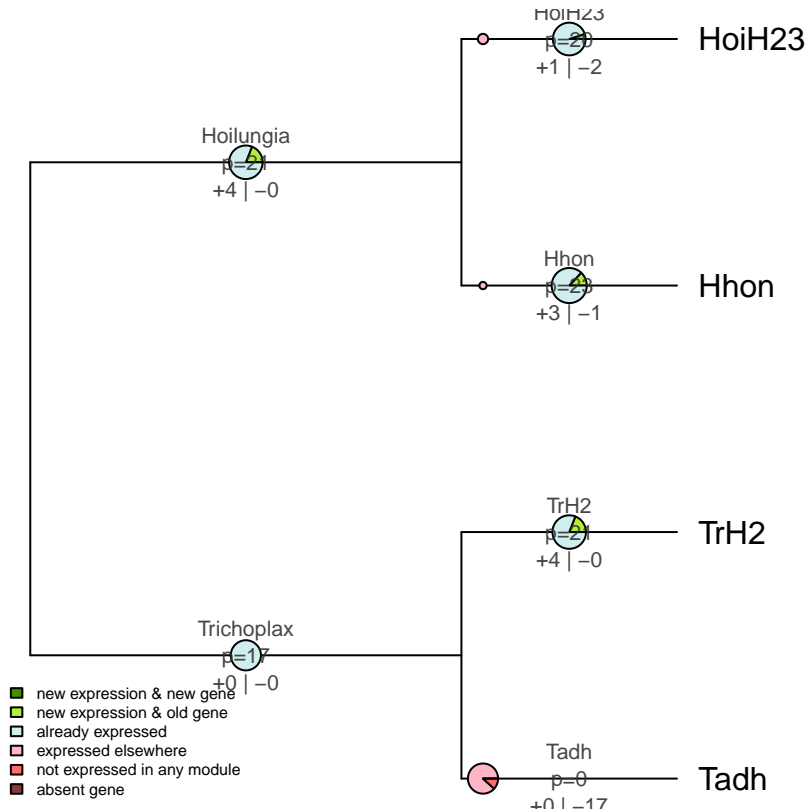
root expressed p=17 (out of 59 conserved)
total genes n=584