10b514fbae2182398942182e97e33499 ——Hemispingus goeringi

de2cee68e97cb405a323cf366ef55d5e

c2ac99**c2tv48e%88826e56854eb6v9d46**30ac22 —Hemispingus reyi

e1cdd2b27ce9cf1f79ae45b3557f069e^{melanotis}

d0b8b053b26a26e29c3011e2563572bf

bbdbc9f5c3e8de04d9eb9259889a4813

1d8fc26903224d8b8c07bd1ed3a08970

ac012bcf044cfa32872b9fac11bf3de5

a43ad0f657654a32239d22a9268dd1e3

Hemispingus parodii

LHemispingus calophrys

Hemispingus atropileus

9b06b8de8ae85f12fd01b220ca568582

—Hemispingus frontalis
8817e1cc9540c3f6a0a99f760b7d5c37

–Hemispingus superciliaris

—Donacospiza albifrons

-Hemispingus trifasciatus

-Platyspiza crassirostris

---Melopyrrha nigra

33446e37cc366aa79de2e64fd3112ae8

0f7df85e0188d69457db5c7f4fba1b49

10 — Jetz et al. 2012 — chronogram 1 source chronogram to topology of interest