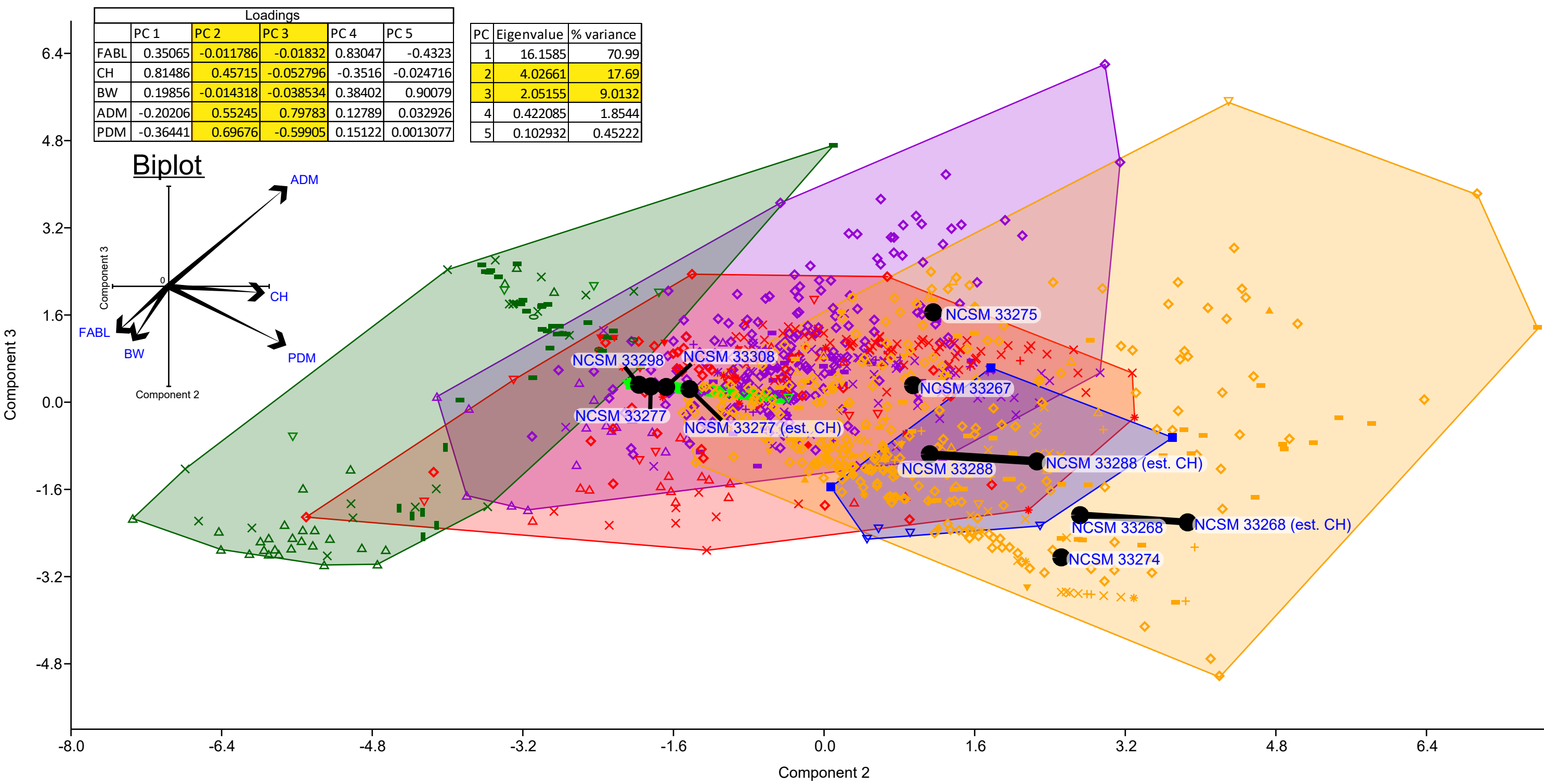


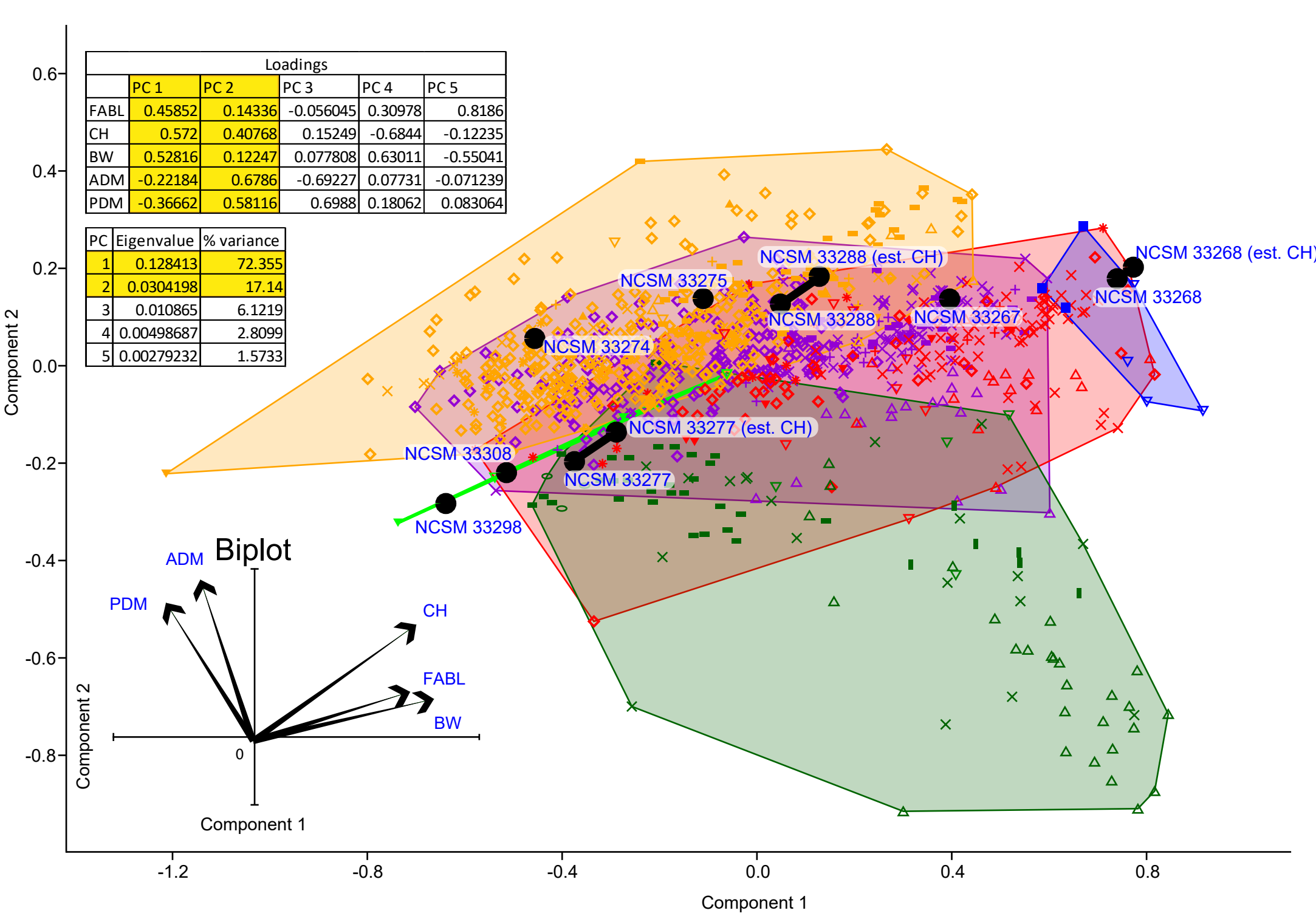
Legend

■	Lance Fm. (65.5-66.5 Ma)
○	Hell Creek Fm. (65.5-66.75 Ma)
△	Horseshoe Canyon Fm. (68-72 Ma)
▼	Fruitland Fm. (75.56±0.41-73.04±0.25 Ma)
▽	Kirtland Fm. (75.56±0.41-73.04±0.25 Ma)
×	Dinosaur Park Fm. (76-75 Ma)
+	Oldman Fm. (77-76 Ma)
◆	Menefee Fm.- Allison Mbr. (78±0.26 Ma)
■	Cliffs of Insanity teeth
■	Dromaeosauridae
■	Paronychodon
■	Richardoestesia
■	Saurornitholestinae
■	Troodontidae
■	Tyrannosauroides
*	Aguja Fm. (~79 Ma)
◊	Judith River Fm. (79.5-75 Ma)
◊	Milk River Fm. (~83.5 Ma)
■	Menefee Fm.- Point Lookout Ss. (Middle Santonian)
○	Two Medicine Fm. (83-74 Ma)
▲	Straight Cliffs Fm.- John Henry Mbr. (85.8-?84 Ma)
●	Cedar Mountain Fm.- Mussentuchit Mbr. (~99-98 Ma)

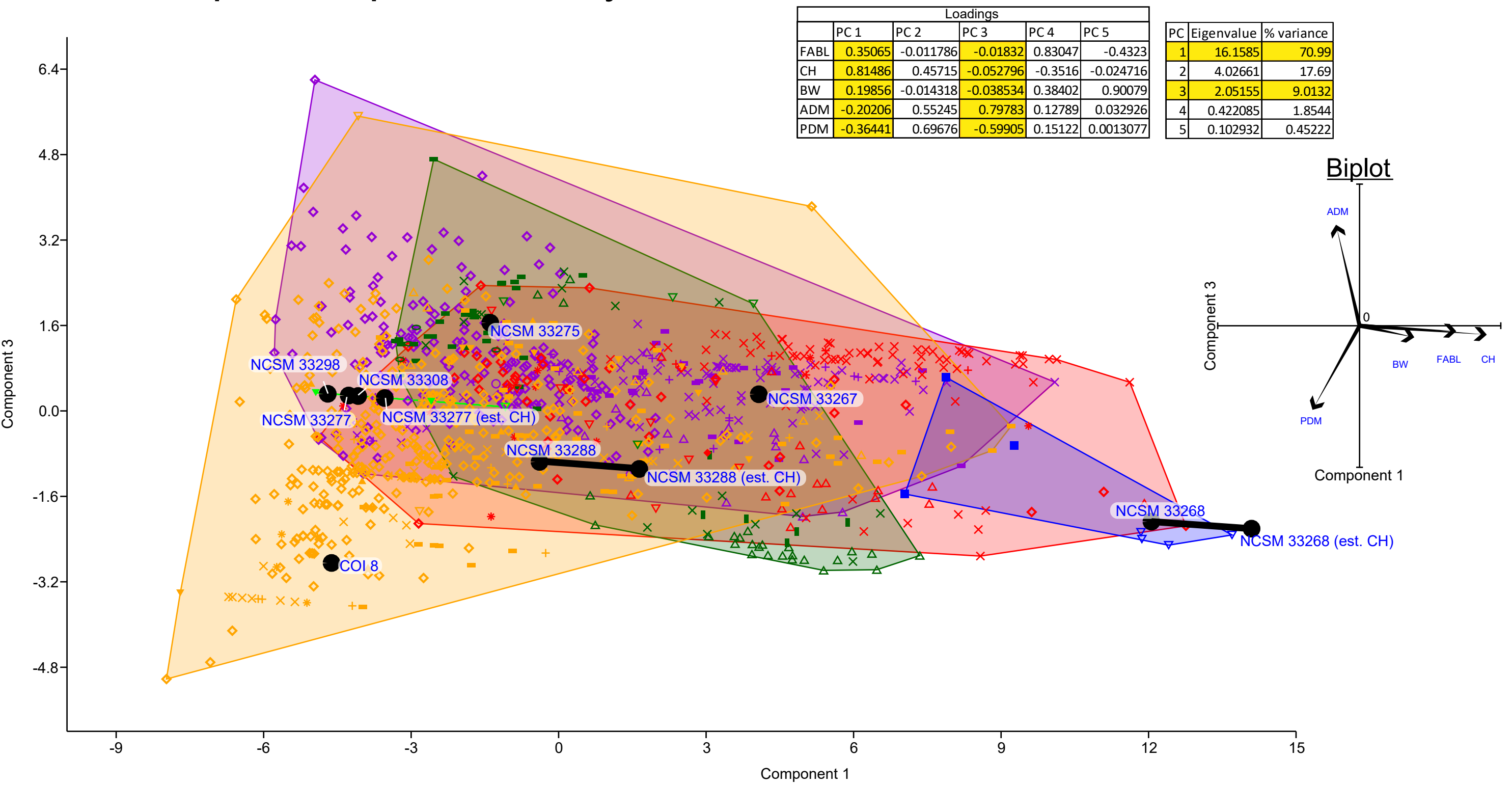
Principal component analysis of non-transformed data, PC 2 and PC 3



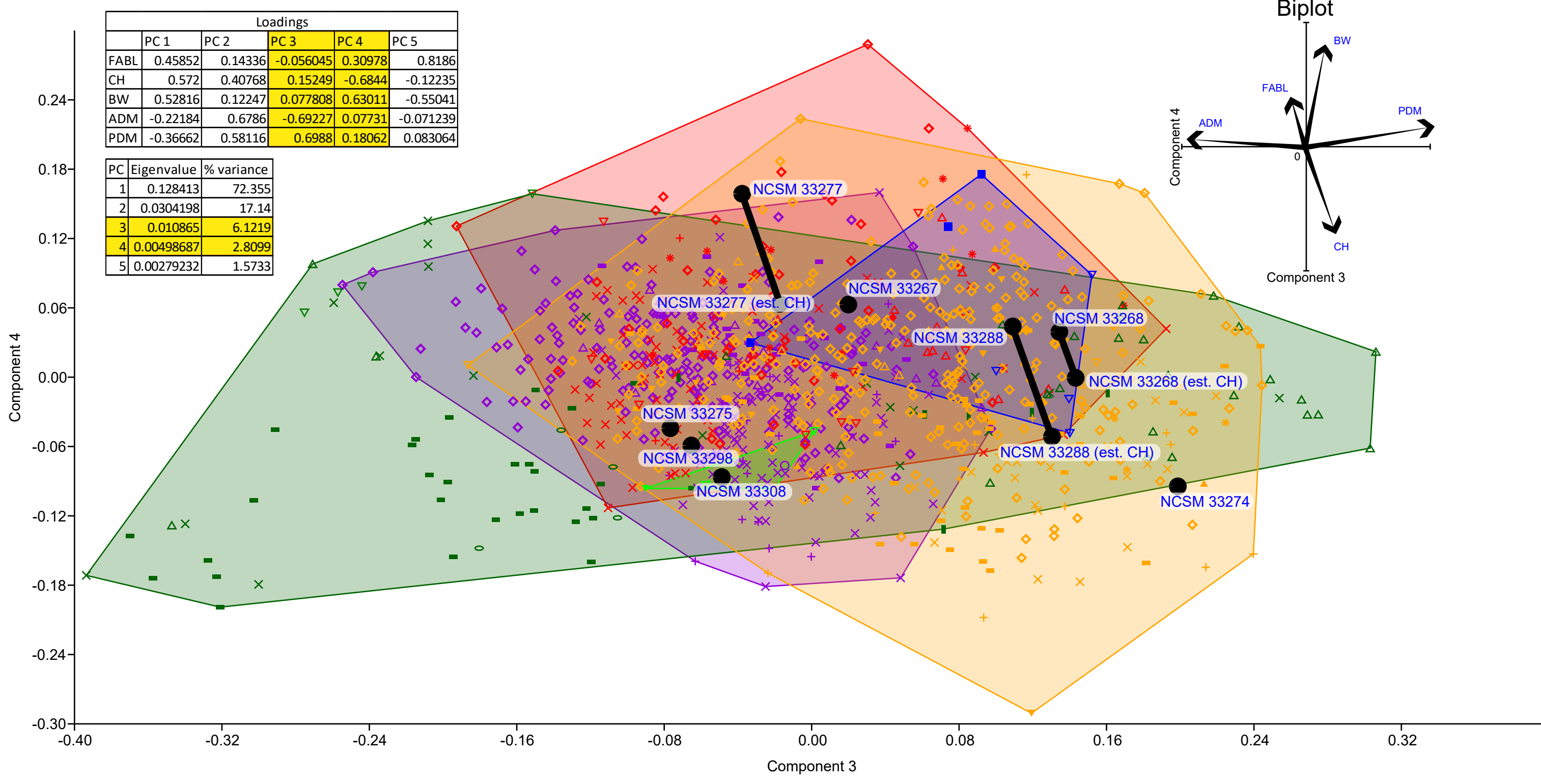
Principal component analysis of logged data, PC 1 and PC 2



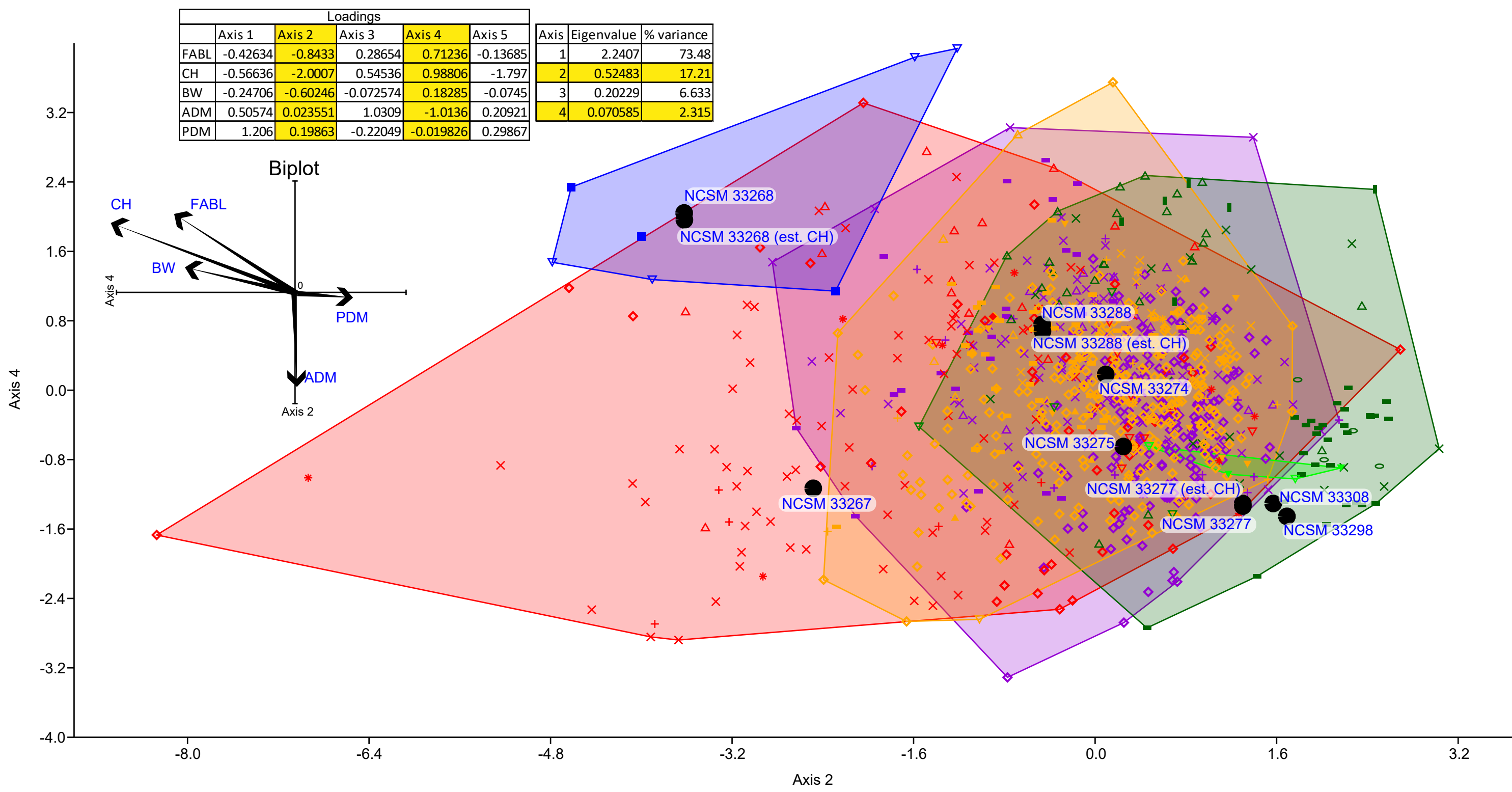
Principal component analysis of non-transformed data, PC 1 and PC 3



Principal component analysis of logged data, PC 3 and PC 4



Discriminant analysis of non-transformed data, Axis 2 and Axis 4



Discriminant analysis of logged data, Axis 1 and Axis 4

