Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_cosine\_1.newick

RF distance is 686 over a total of 850

Partitions in tree2 that were not found in tree1: 334

Partitions in tree1 that were not found in tree2: 352

euclidean\_distance: 4.767913831236665

symmetric\_difference: 690

false\_positives\_and\_negatives: (353, 337)

robinson\_foulds\_distance: 110.28890614300006

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_ts\_ss\_1.newick

RF distance is 692 over a total of 850

Partitions in tree2 that were not found in tree1: 337

Partitions in tree1 that were not found in tree2: 355

euclidean\_distance: 6.176589785308941

symmetric\_difference: 696

false\_positives\_and\_negatives: (356, 340)

robinson\_foulds\_distance: 128.35988804699994

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_euclidean\_1.newick

RF distance is 682 over a total of 850

Partitions in tree2 that were not found in tree1: 332

Partitions in tree1 that were not found in tree2: 350

euclidean\_distance: 15.582862781777912

symmetric\_difference: 686

false\_positives\_and\_negatives: (351, 335)

robinson\_foulds\_distance: 388.36338857100014

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_manhattan\_1.newick

RF distance is 698 over a total of 850

Partitions in tree2 that were not found in tree1: 340

Partitions in tree1 that were not found in tree2: 358

euclidean\_distance: 186.75621328245626

symmetric\_difference: 702

false\_positives\_and\_negatives: (359, 343)

robinson\_foulds\_distance: 4359.947593371001

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_nj\_ts\_ss\_1.newick

RF distance is 804 over a total of 850

Partitions in tree2 that were not found in tree1: 393

Partitions in tree1 that were not found in tree2: 411

euclidean\_distance: 4.881729505323578

symmetric\_difference: 808

false\_positives\_and\_negatives: (412, 396)

robinson\_foulds\_distance: 125.70666987500019

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_nj\_euclidean\_1.newick

RF distance is 700 over a total of 850

Partitions in tree2 that were not found in tree1: 341

Partitions in tree1 that were not found in tree2: 359

euclidean\_distance: 6.612540974309359

symmetric\_difference: 704

false\_positives\_and\_negatives: (360, 344)

robinson\_foulds\_distance: 177.50811655100028

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_nj\_cosine\_1.newick

RF distance is 776 over a total of 850

Partitions in tree2 that were not found in tree1: 379

Partitions in tree1 that were not found in tree2: 397

euclidean\_distance: 4.85199293670845

symmetric\_difference: 780

false\_positives\_and\_negatives: (398, 382)

robinson\_foulds\_distance: 111.42719129500003

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_nj\_manhattan\_1.newick

RF distance is 698 over a total of 850

Partitions in tree2 that were not found in tree1: 340

Partitions in tree1 that were not found in tree2: 358

euclidean\_distance: 89.62295942528328

symmetric\_difference: 702

false\_positives\_and\_negatives: (359, 343)

robinson\_foulds\_distance: 2126.4285792909986

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_\_esm2\_nj\_ts\_ss\_tsne.newick

RF distance is 824 over a total of 850

Partitions in tree2 that were not found in tree1: 403

Partitions in tree1 that were not found in tree2: 421

euclidean\_distance: 4935.287050308203

symmetric\_difference: 828

false\_positives\_and\_negatives: (422, 406)

robinson\_foulds\_distance: 65240.13144684896

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_\_esm2\_nj\_euclidean\_tsne.newick

RF distance is 676 over a total of 850

Partitions in tree2 that were not found in tree1: 329

Partitions in tree1 that were not found in tree2: 347

euclidean\_distance: 27.623448955551407

symmetric\_difference: 682

false\_positives\_and\_negatives: (349, 333)

robinson\_foulds\_distance: 481.04911291099944

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_\_esm2\_nj\_manhattan\_tsne.newick

RF distance is 672 over a total of 850

Partitions in tree2 that were not found in tree1: 327

Partitions in tree1 that were not found in tree2: 345

euclidean\_distance: 32.080083727150054

symmetric\_difference: 678

false\_positives\_and\_negatives: (347, 331)

robinson\_foulds\_distance: 602.9171289910004

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_\_esm2\_nj\_cosine\_tsne.newick

RF distance is 844 over a total of 850

Partitions in tree2 that were not found in tree1: 413

Partitions in tree1 that were not found in tree2: 431

euclidean\_distance: 4.924791864536034

symmetric\_difference: 848

false\_positives\_and\_negatives: (432, 416)

robinson\_foulds\_distance: 113.79952107899993

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_cosine\_pca.newick

RF distance is 820 over a total of 850

Partitions in tree2 that were not found in tree1: 401

Partitions in tree1 that were not found in tree2: 419

euclidean\_distance: 5.275479085741449

symmetric\_difference: 824

false\_positives\_and\_negatives: (420, 404)

robinson\_foulds\_distance: 118.15839407899999

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_manhattan\_pca.newick

RF distance is 812 over a total of 850

Partitions in tree2 that were not found in tree1: 397

Partitions in tree1 that were not found in tree2: 415

euclidean\_distance: 6.6758631509582385

symmetric\_difference: 816

false\_positives\_and\_negatives: (416, 400)

robinson\_foulds\_distance: 141.78675883100001

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_ts\_ss\_pca.newick

RF distance is 814 over a total of 850

Partitions in tree2 that were not found in tree1: 398

Partitions in tree1 that were not found in tree2: 416

euclidean\_distance: 4.931319394719991

symmetric\_difference: 818

false\_positives\_and\_negatives: (417, 401)

robinson\_foulds\_distance: 111.7474500789999

Reference Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_dir/KLK.newick

Tree: /Users/adel.schmucklermann/Desktop/PyTorch\_Lightning\_VAE/out\_activ\_fct/sigmoid/KLK\_sigmoid\_esm2\_upgma\_euclidean\_pca.newick

RF distance is 810 over a total of 850

Partitions in tree2 that were not found in tree1: 396

Partitions in tree1 that were not found in tree2: 414

euclidean\_distance: 5.932947660682325

symmetric\_difference: 814

false\_positives\_and\_negatives: (415, 399)

robinson\_foulds\_distance: 131.81869743900012