

Supplementary table 24: Nearest sequence taxon index (NSTI) scores for Inner Mongolia cohort

Sample_ID	Diagnosis	Metric	NSTI_scores
10GC.v4	AG	Weighted NSTI	0.059099543
10GN.v4	AG	Weighted NSTI	0.060529028
11GC.v4	AG	Weighted NSTI	0.028183092
11GN.v4	AG	Weighted NSTI	0.017362245
124AG38.v4	AG	Weighted NSTI	0.043225646
12GC.v4	AG	Weighted NSTI	0.077486157
13GC.v4	AG	Weighted NSTI	0.040915358
13GN.v4	AG	Weighted NSTI	0.044009266
14GC.v4	AG	Weighted NSTI	0.031865501
14GN.v4	AG	Weighted NSTI	0.048723035
16GC.v4	AG	Weighted NSTI	0.061106326
16GN.v4	AG	Weighted NSTI	0.06417813
19GC212.v4	AG	Weighted NSTI	0.099460078
19GN.v4	AG	Weighted NSTI	0.081847887
1GC.v4	AG	Weighted NSTI	0.029094053
1GN.v4	AG	Weighted NSTI	0.021010902
20GC.v4	AG	Weighted NSTI	0.111270414
20GC2.v4	AG	Weighted NSTI	0.060455757
21GC.v4	AG	Weighted NSTI	0.08091271
21GN.v4	AG	Weighted NSTI	0.073712217
22GC.v4	AG	Weighted NSTI	0.042047568
22GN.v4	AG	Weighted NSTI	0.033458929
23GC.v4	AG	Weighted NSTI	0.07242635
24GC.v4	AG	Weighted NSTI	0.024441368
24GN.v4	AG	Weighted NSTI	0.081095989
25GC.v4	AG	Weighted NSTI	0.110063479
25GN.v4	AG	Weighted NSTI	0.036553851
26GC.v4	AG	Weighted NSTI	0.095877001
26GN.v4	AG	Weighted NSTI	0.051333026
27GC.v4	AG	Weighted NSTI	0.062437065
27GN.v4	AG	Weighted NSTI	0.060610988
28GC.v4	AG	Weighted NSTI	0.028802032
28GN.v4	AG	Weighted NSTI	0.018102293
29GC.v4	AG	Weighted NSTI	0.101642831
29GN.v4	AG	Weighted NSTI	0.120905698
2GC.v4	AG	Weighted NSTI	0.024237682
2GN.v4	AG	Weighted NSTI	0.021558513
30GC.v4	AG	Weighted NSTI	0.039002422
30GN.v4	AG	Weighted NSTI	0.036995445
32GC.v4	AG	Weighted NSTI	0.086945533
32GN.v4	AG	Weighted NSTI	0.08091365
33GC.v4	AG	Weighted NSTI	0.047788887
33GN.v4	AG	Weighted NSTI	0.050480311
34GC.v4	AG	Weighted NSTI	0.038125526

34GN.v4	AG	Weighted NSTI	0.032321827
3GC.v4	AG	Weighted NSTI	0.026837276
3GN.v4	AG	Weighted NSTI	0.041822685
4GC.v4	AG	Weighted NSTI	0.034551436
4GN.v4	AG	Weighted NSTI	0.033481467
5GC.v4	AG	Weighted NSTI	0.022617099
5GN.v4	AG	Weighted NSTI	0.039849044
6GC.v4	GC	Weighted NSTI	0.033439534
6GN.v4	GC	Weighted NSTI	0.041734265
7GC.v4	GC	Weighted NSTI	0.040856477
7GN.v4	GC	Weighted NSTI	0.015514712
8GC.v4	GC	Weighted NSTI	0.027940376
8GN.v4	GC	Weighted NSTI	0.043340461
AG1.v4	GC	Weighted NSTI	0.028310035
AG10.v4	GC	Weighted NSTI	0.039382632
AG11.v4	GC	Weighted NSTI	0.01925097
AG12.v4	GC	Weighted NSTI	0.043348028
AG13.v4	GC	Weighted NSTI	0.029004368
AG14.v4	GC	Weighted NSTI	0.026070543
AG15.v4	GC	Weighted NSTI	0.044194016
AG16.v4	GC	Weighted NSTI	0.026490164
AG17.v4	GC	Weighted NSTI	0.035582114
AG18.v4	GC	Weighted NSTI	0.048254531
AG19.v4	GC	Weighted NSTI	0.02649461
AG2.v4	GC	Weighted NSTI	0.046901492
AG20.v4	GC	Weighted NSTI	0.028950988
AG50.v4	SG	Weighted NSTI	0.027866248
AG50X.v4	SG	Weighted NSTI	0.061419727
AG51.v4	SG	Weighted NSTI	0.132035229
AG52.v4	SG	Weighted NSTI	0.048545704
AG52X.v4	SG	Weighted NSTI	0.065954174
AG53.v4	SG	Weighted NSTI	0.018108356
AG6.v4	SG	Weighted NSTI	0.086092831
AG7.v4	SG	Weighted NSTI	0.027554458
AG8.v4	SG	Weighted NSTI	0.027090811
AG9.v4	SG	Weighted NSTI	0.046830123
NAG_30.v4	SG	Weighted NSTI	0.098464165
NAG_32.v4	SG	Weighted NSTI	0.112708434
NAG_34.v4	SG	Weighted NSTI	0.08300954
NAG1.v4	SG	Weighted NSTI	0.058501132
NAG10.v4	SG	Weighted NSTI	0.040664107
NAG11.v4	SG	Weighted NSTI	0.040885922
NAG12.v4	SG	Weighted NSTI	0.049315079
NAG13.v4	SG	Weighted NSTI	0.04963441
NAG15.v4	SG	Weighted NSTI	0.052998452
NAG16.v4	SG	Weighted NSTI	0.03966698

NAG18.v4	SG	Weighted NSTI	0.036312643
NAG19.v4	SG	Weighted NSTI	0.055832029
NAG2.v4	SG	Weighted NSTI	0.024165184
NAG20.v4	SG	Weighted NSTI	0.022912508
NAG21.v4	SG	Weighted NSTI	0.029810279
NAG23.v4	SG	Weighted NSTI	0.082249487
NAG24.v4	SG	Weighted NSTI	0.050395927
NAG25.v4	SG	Weighted NSTI	0.041678526
NAG26.v4	SG	Weighted NSTI	0.05296558
NAG27.v4	SG	Weighted NSTI	0.032318471
NAG28.v4	SG	Weighted NSTI	0.042855119
NAG29260.v4	SG	Weighted NSTI	0.067218319
NAG3.v4	SG	Weighted NSTI	0.059041953
NAG33.v4	SG	Weighted NSTI	0.041683675
NAG35.v4	SG	Weighted NSTI	0.05044783
NAG37.v4	SG	Weighted NSTI	0.083043178
NAG38.v4	SG	Weighted NSTI	0.063316848
NAG39.v4	SG	Weighted NSTI	0.06475878
NAG4.v4	SG	Weighted NSTI	0.04485929
NAG40.v4	SG	Weighted NSTI	0.084514278
NAG41.v4	SG	Weighted NSTI	0.077209644
NAG43.v4	SG	Weighted NSTI	0.075372767
NAG44.v4	SG	Weighted NSTI	0.06731697
NAG45.v4	SG	Weighted NSTI	0.055644479
NAG46.v4	SG	Weighted NSTI	0.056547852
NAG47.v4	SG	Weighted NSTI	0.086012455
NAG48131.v4	SG	Weighted NSTI	0.120962204
NAG49.v4	SG	Weighted NSTI	0.037033302
NAG5.v4	SG	Weighted NSTI	0.053414551
NAG50.v4	SG	Weighted NSTI	0.039525716
NAG51.v4	SG	Weighted NSTI	0.033766248
NAG53.v4	SG	Weighted NSTI	0.080059191
NAG6.v4	SG	Weighted NSTI	0.034175579
NAG7.v4	SG	Weighted NSTI	0.07998112
NAG8.v4	SG	Weighted NSTI	0.033532699
NAG9.v4	SG	Weighted NSTI	0.068478756

SG: Superficial gastritis

AG: Atrophic gastritis

GC: Gastric cancer