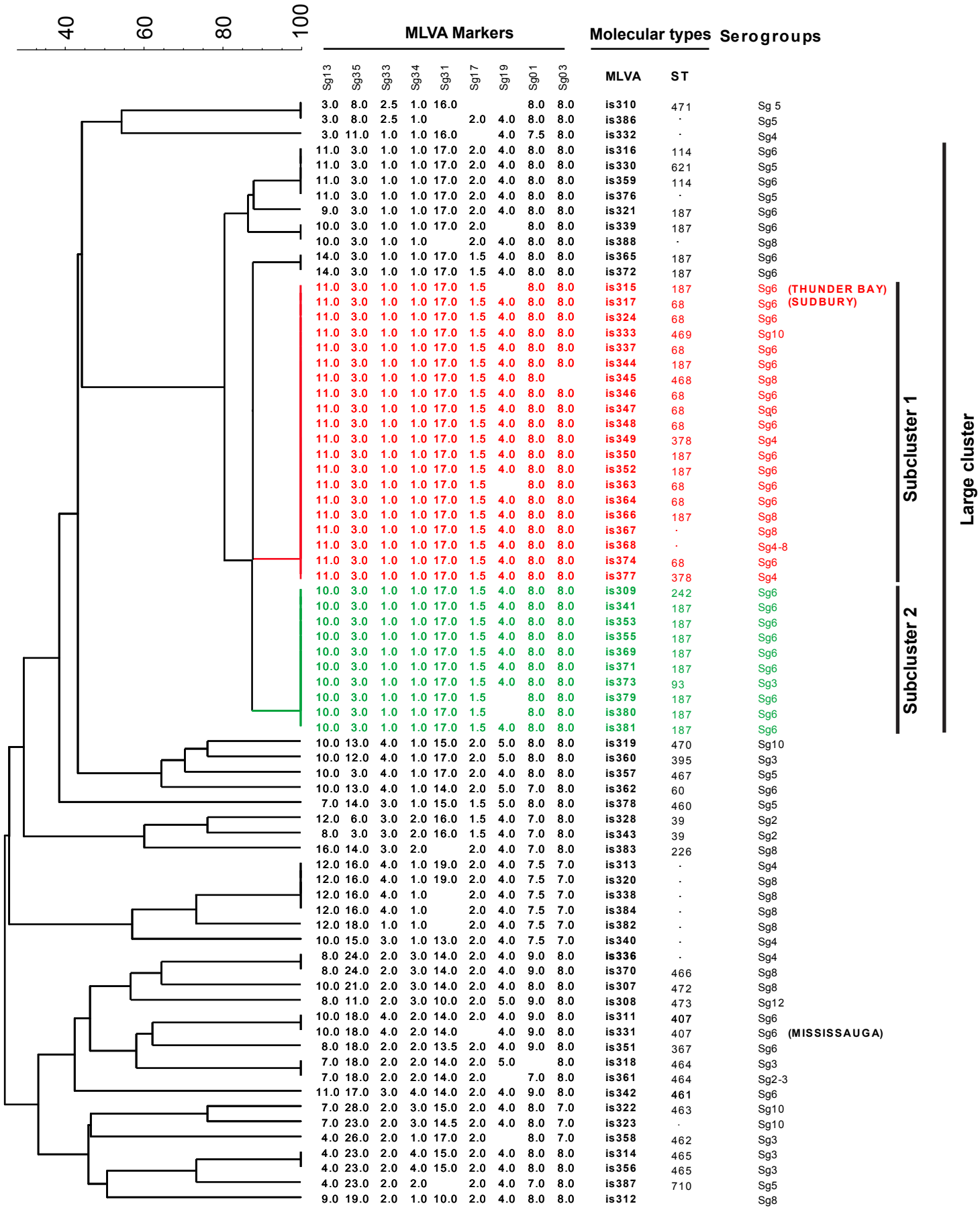
Figure S2


40
60
80
100
MLVA Markers
Molecular types
Serogroups
Sg13 Sg35 Sg33 Sg34 Sg31 Sg17 Sg19 Sg01 Sg03
MLVA ST
3.0 8.0 2.5 1.0 16.0 8.0 8.0 is310 471 Sg 5
3.0 8.0 2.5 1.0 2.0 4.0 8.0 8.0 is386 · Sg5
3.0 11.0 1.0 1.0 16.0 4.0 7.5 8.0 is332 · Sg4
11.0 3.0 1.0 1.0 17.0 2.0 4.0 8.0 8.0 is316 114 Sg6
11.0 3.0 1.0 1.0 17.0 2.0 4.0 8.0 8.0 is330 621 Sg5
11.0 3.0 1.0 1.0 17.0 2.0 4.0 8.0 8.0 is359 114 Sg6
11.0 3.0 1.0 1.0 17.0 2.0 4.0 8.0 8.0 is376 · Sg5
9.0 3.0 1.0 1.0 17.0 2.0 4.0 8.0 8.0 is321 187 Sg6
10.0 3.0 1.0 1.0 17.0 2.0 8.0 8.0 is339 187 Sg6
10.0 3.0 1.0 1.0 2.0 4.0 8.0 8.0 is388 · Sg8
14.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is365 187 Sg6
14.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is372 187 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 8.0 8.0 is315 187 Sg6 (THUNDER BAY)
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is317 68 Sg6 (SUDBURY)
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is324 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is333 469 Sg10
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is337 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is344 187 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 is345 468 Sg8
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is346 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is347 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is348 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is349 378 Sg4
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is350 187 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is352 187 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 8.0 8.0 is363 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is364 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is366 187 Sg8
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is367 · Sg8
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is368 · Sg4-8
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is374 68 Sg6
11.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is377 378 Sg4
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is309 242 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is341 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is353 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is355 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is369 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is371 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is373 93 Sg3
10.0 3.0 1.0 1.0 17.0 1.5 8.0 8.0 is379 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 8.0 8.0 is380 187 Sg6
10.0 3.0 1.0 1.0 17.0 1.5 4.0 8.0 8.0 is381 187 Sg6
10.0 13.0 4.0 1.0 15.0 2.0 5.0 8.0 8.0 is319 470 Sg10
10.0 12.0 4.0 1.0 17.0 2.0 5.0 8.0 8.0 is360 395 Sg3
10.0 3.0 4.0 1.0 17.0 2.0 4.0 8.0 8.0 is357 467 Sg5
10.0 13.0 4.0 1.0 14.0 2.0 5.0 7.0 8.0 is362 60 Sg6
7.0 14.0 3.0 1.0 15.0 1.5 5.0 8.0 8.0 is378 460 Sg5
12.0 6.0 3.0 2.0 16.0 1.5 4.0 7.0 8.0 is328 39 Sg2
8.0 3.0 3.0 2.0 16.0 1.5 4.0 7.0 8.0 is343 39 Sg2
16.0 14.0 3.0 2.0 2.0 4.0 7.0 8.0 is383 226 Sg8
12.0 16.0 4.0 1.0 19.0 2.0 4.0 7.5 7.0 is313 · Sg4
12.0 16.0 4.0 1.0 19.0 2.0 4.0 7.5 7.0 is320 · Sg8
12.0 16.0 4.0 1.0 2.0 4.0 7.5 7.0 is338 · Sg8
12.0 16.0 4.0 1.0 2.0 4.0 7.5 7.0 is384 · Sg8
12.0 18.0 1.0 1.0 2.0 4.0 7.5 7.0 is382 · Sg8
10.0 15.0 3.0 1.0 13.0 2.0 4.0 7.5 7.0 is340 · Sg4
8.0 24.0 2.0 3.0 14.0 2.0 4.0 9.0 8.0 is336 · Sg4
8.0 24.0 2.0 3.0 14.0 2.0 4.0 9.0 8.0 is370 466 Sg8
10.0 21.0 2.0 3.0 14.0 2.0 4.0 8.0 8.0 is307 472 Sg8
8.0 11.0 2.0 3.0 10.0 2.0 5.0 9.0 8.0 is308 473 Sg12
10.0 18.0 4.0 2.0 14.0 2.0 4.0 9.0 8.0 is311 407 Sg6
10.0 18.0 4.0 2.0 14.0 4.0 9.0 8.0 is331 407 Sg6 (MISSISSAUGA)
8.0 18.0 2.0 2.0 13.5 2.0 4.0 9.0 8.0 is351 367 Sg6
7.0 18.0 2.0 2.0 14.0 2.0 5.0 8.0 is318 464 Sg3
7.0 18.0 2.0 2.0 14.0 2.0 7.0 8.0 is361 464 Sg2-3
11.0 17.0 3.0 4.0 14.0 2.0 4.0 9.0 8.0 is342 461 Sg6
7.0 28.0 2.0 3.0 15.0 2.0 4.0 8.0 7.0 is322 463 Sg10
7.0 23.0 2.0 3.0 14.5 2.0 4.0 8.0 7.0 is323 · Sg10
4.0 26.0 2.0 1.0 17.0 2.0 8.0 7.0 is358 462 Sg3
4.0 23.0 2.0 4.0 15.0 2.0 4.0 8.0 8.0 is314 465 Sg3
4.0 23.0 2.0 4.0 15.0 2.0 4.0 8.0 8.0 is356 465 Sg3
4.0 23.0 2.0 2.0 2.0 4.0 7.0 8.0 is387 710 Sg5
9.0 19.0 2.0 1.0 10.0 2.0 4.0 8.0 8.0 is312 Sg8
Subcluster 1
Subcluster 2
Large cluster