

CHAPTER 4: APPENDIX 2: Scatter Charts showing injection variability for sample replicate data.

1. Aspartic Acid

Figure 1a(i): Asx, 0.167d std sol, Gilly

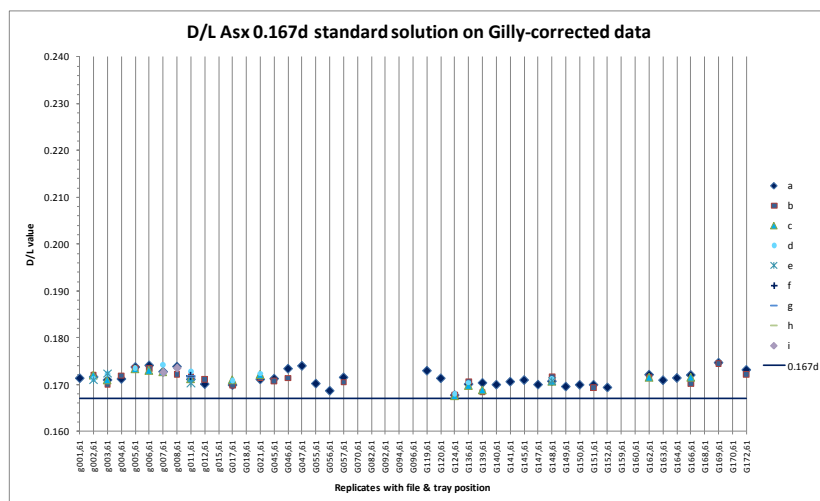


Figure 1b(i): Asx, 0.167dH2O std sol, Gilly

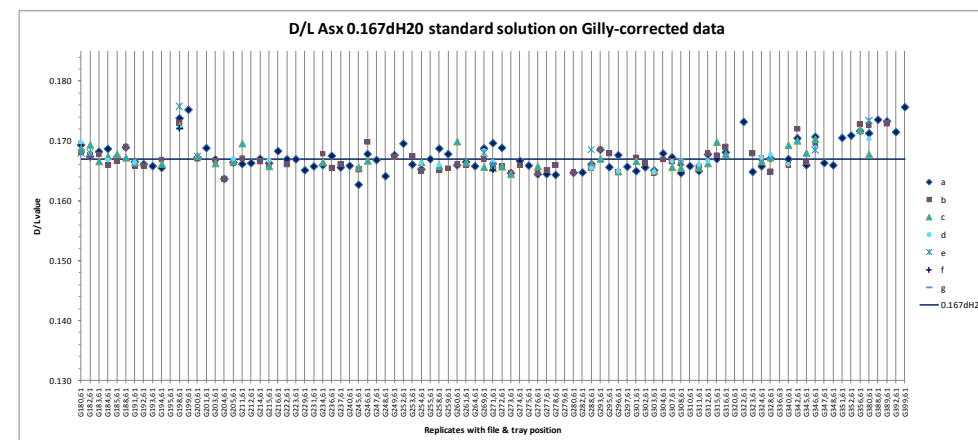


Figure 1a(ii): Asx, 0.167d std sol, Hew

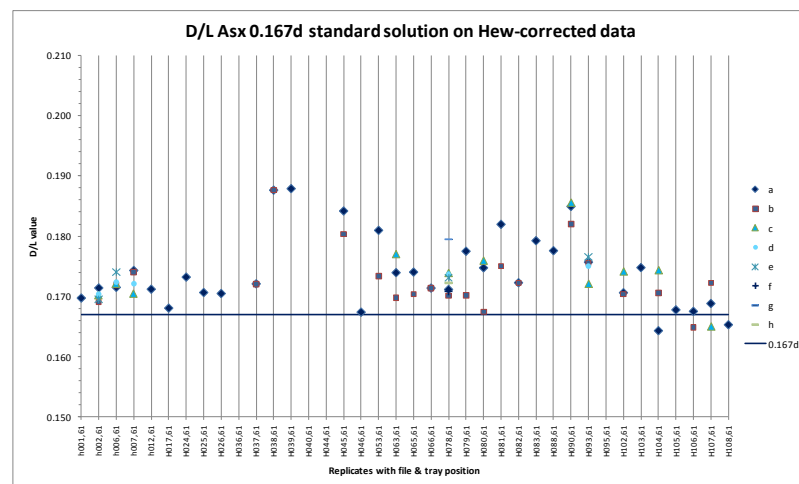


Figure 1b(ii): 0.167dH2O std sol Asx, Hew

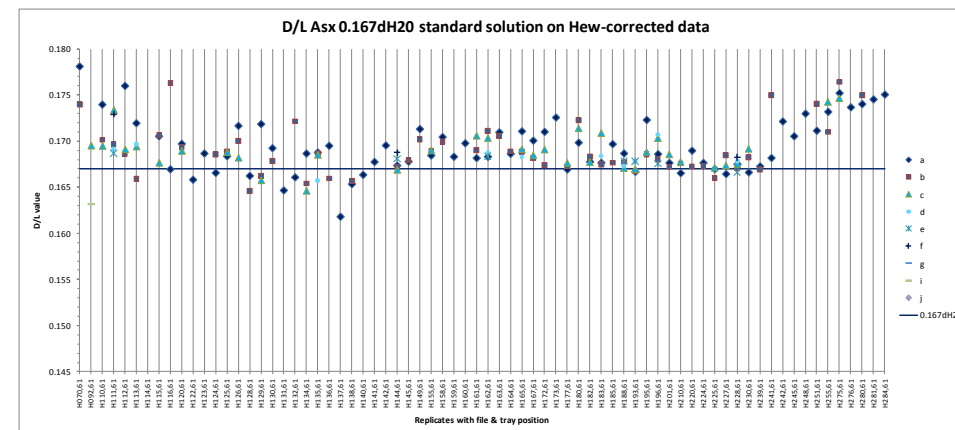


Figure 1c(i): Asx, 0.5d std sol, Gilly

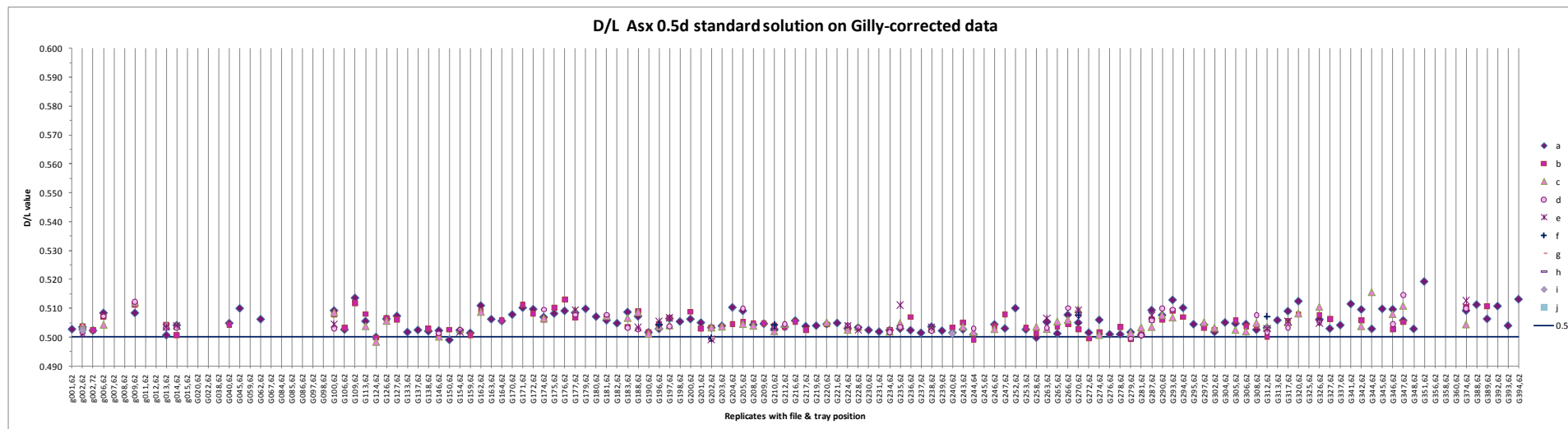


Figure 1c(ii): Asx, 0.5d std sol, Hew

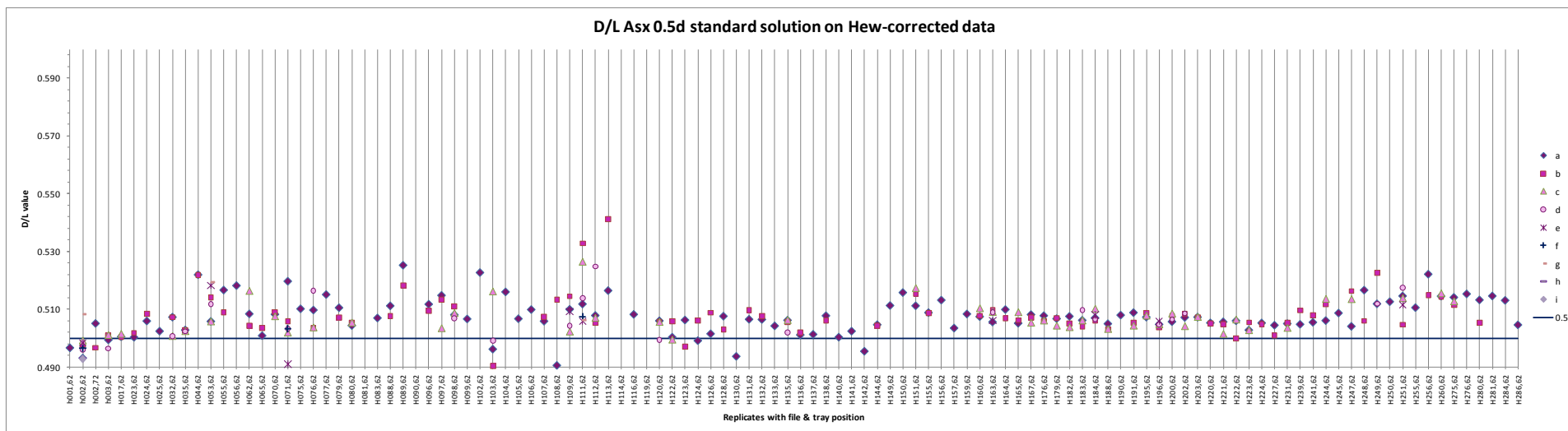


Figure 1d(i): Asx, 0.91d std sol, Gilly

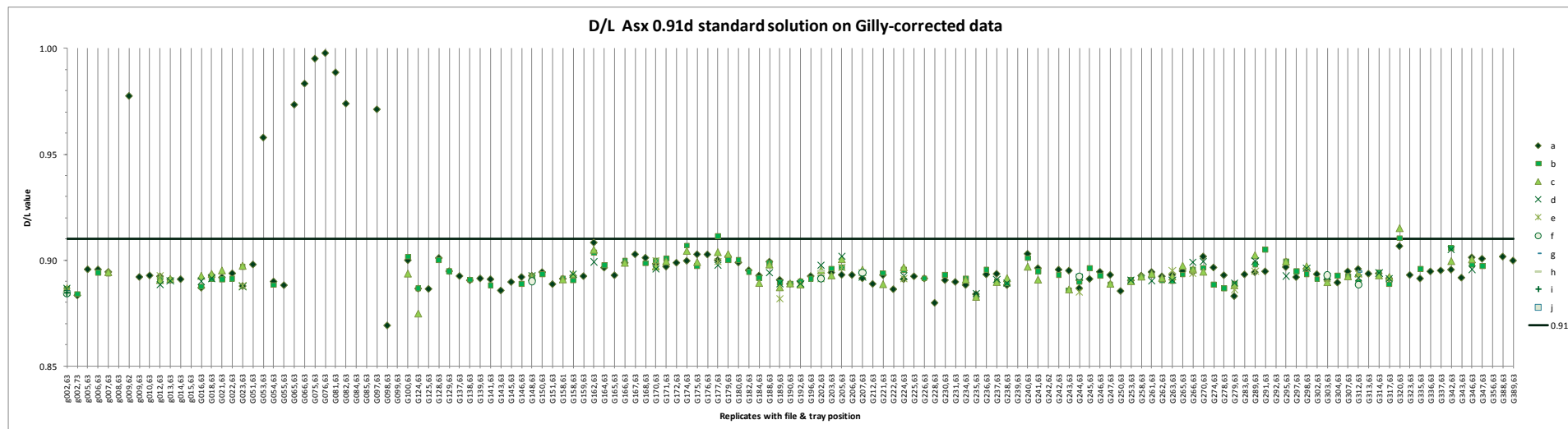
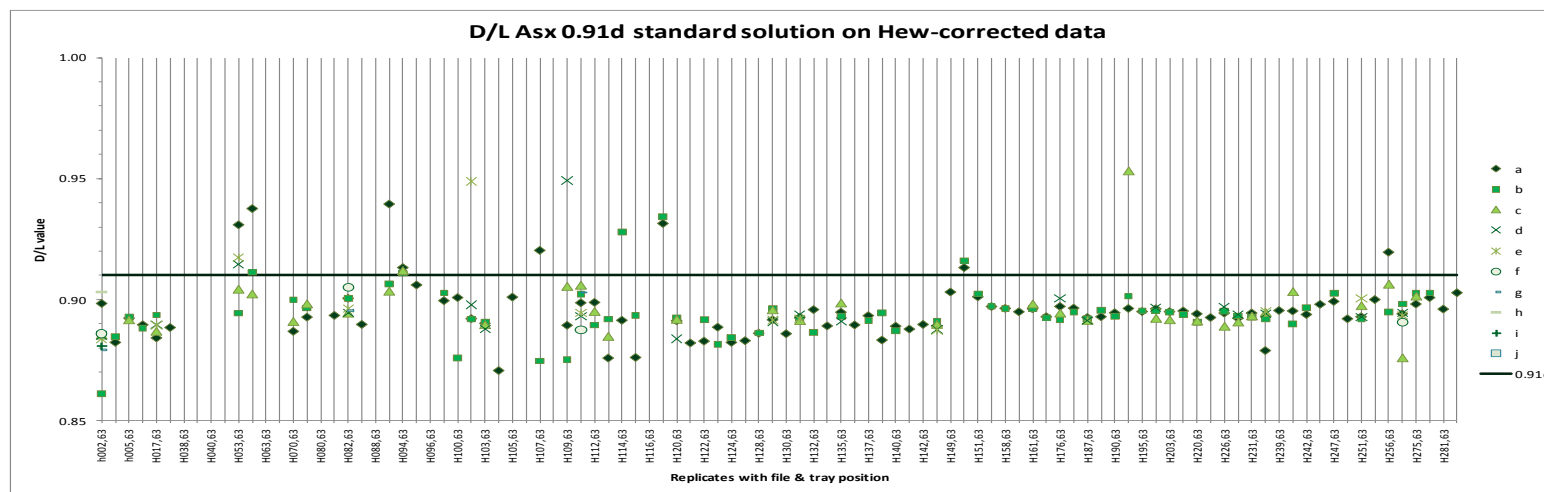


Figure 1d(ii): Asx, 0.91d std sol, Hew



2. Glutamic Acid

Figure 2a(i): Glx, 0.167d std sol, Gilly

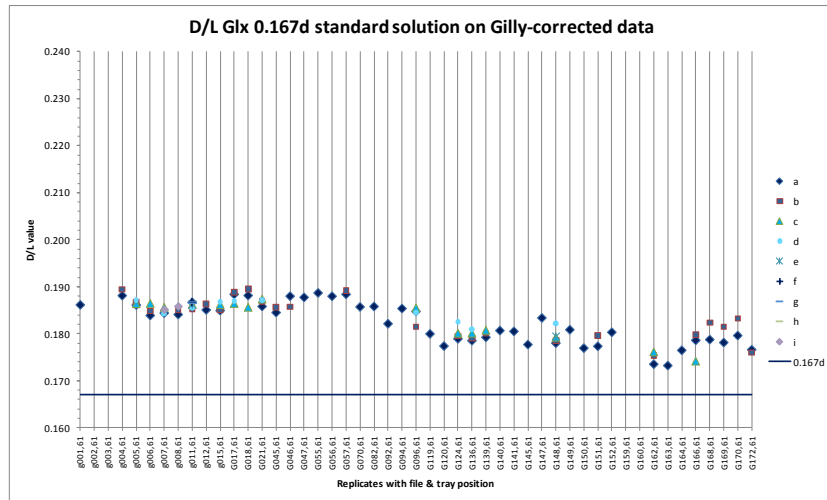


Figure 2a(ii): Glx, 0.167d std sol, Hew

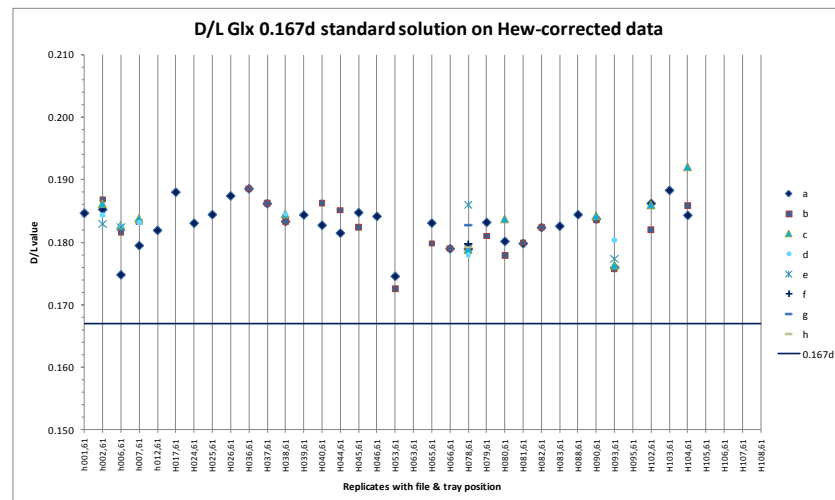


Figure 2b(i): Glx, 0.167dH₂O std sol, Gilly

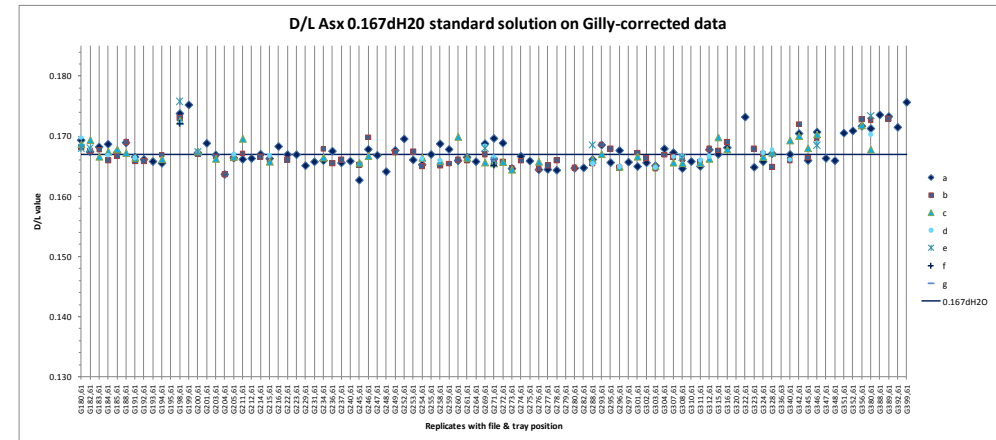


Figure 2b(ii): .Glx, 0.167dH₂O std sol, Hew

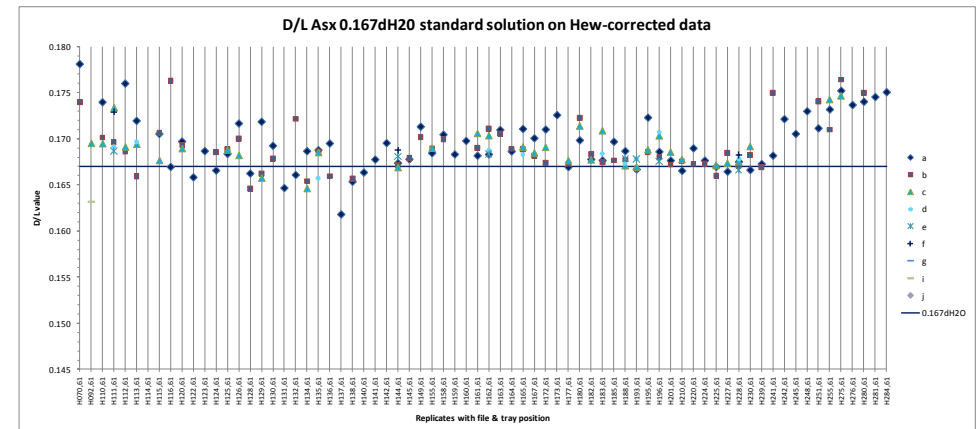


Figure 2c(i): Glx, 0.5d std sol, Gilly

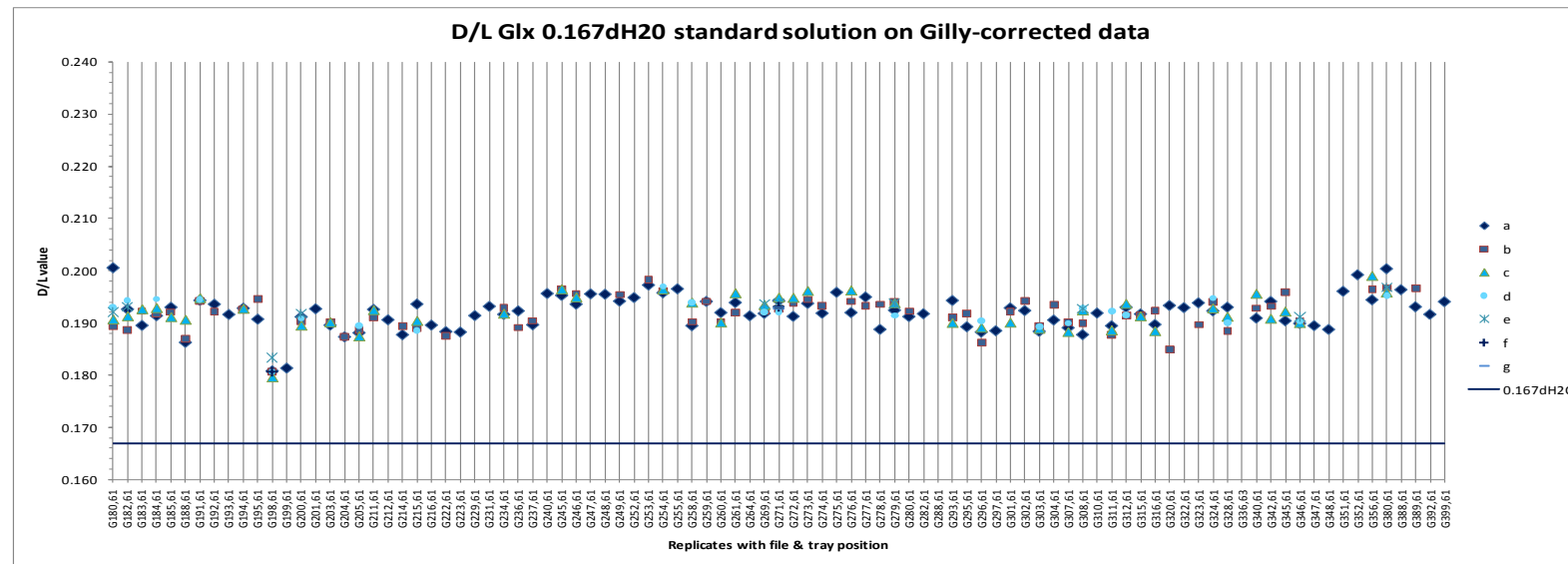


Figure2c(ii): Glx, 0.5d std sol, Hew

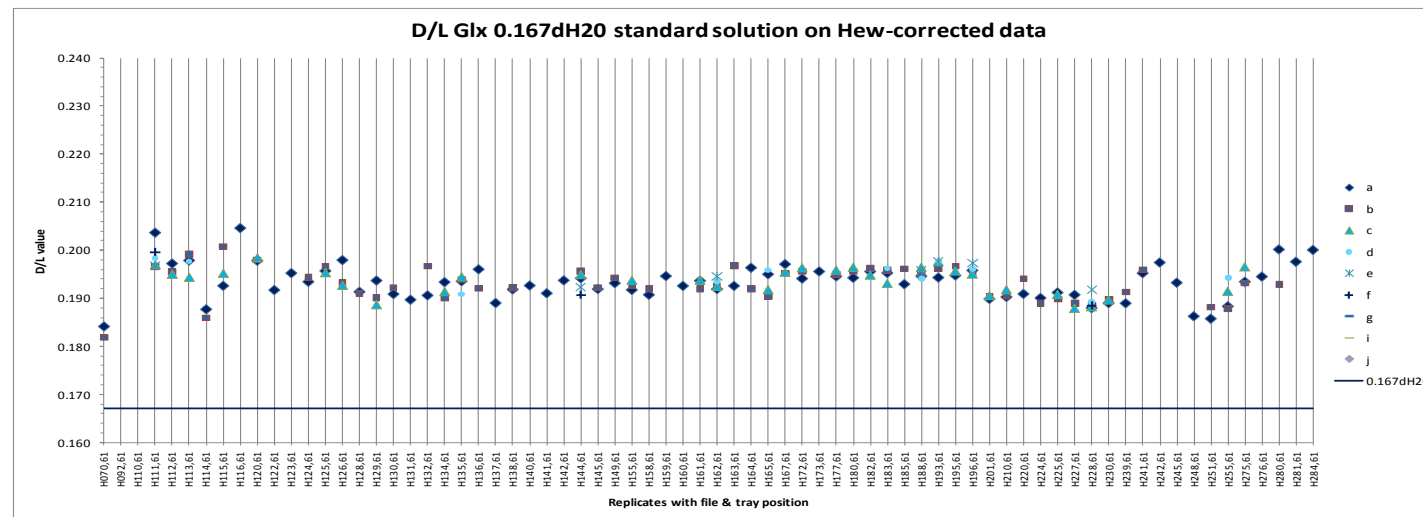


Figure 2d(i): Glx, 0.91d std sol, Gilly

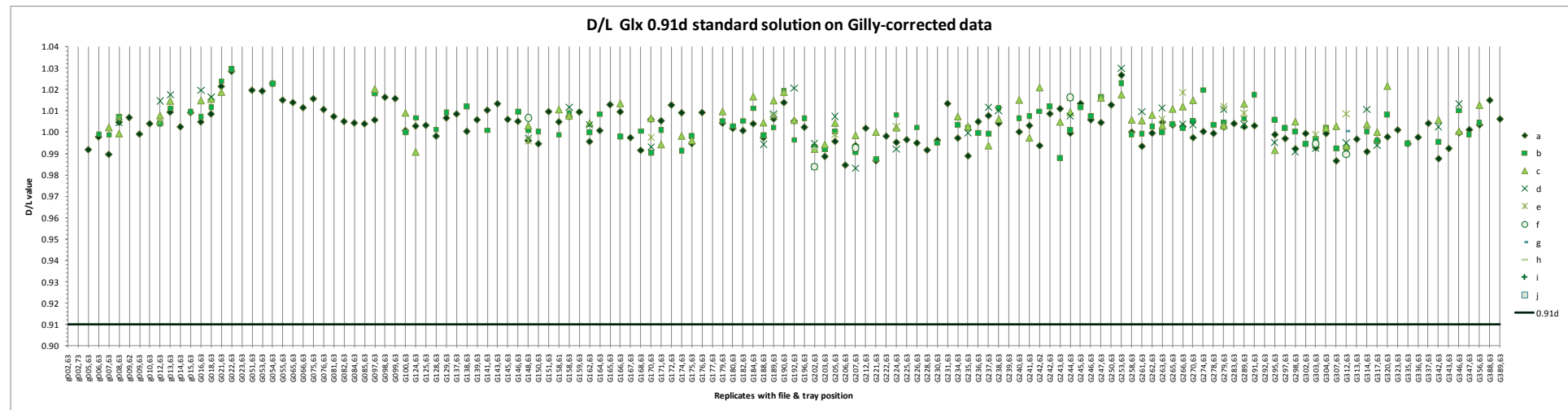
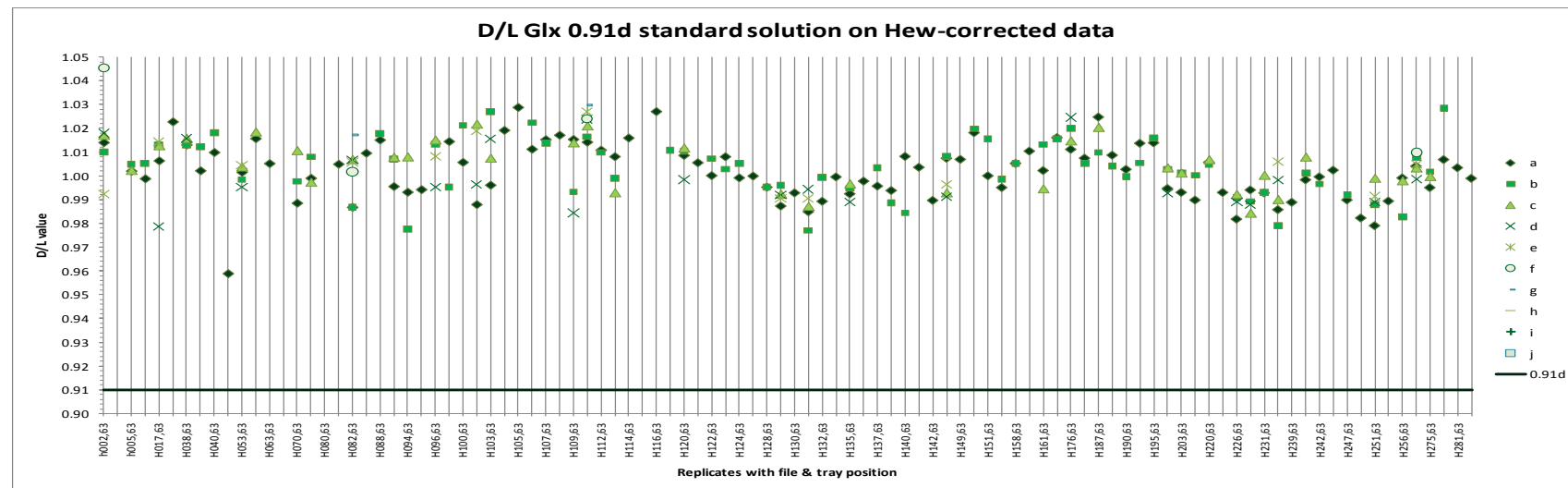


Figure 2d(ii): Glx, 0.91d std sol, Hew



3. Alanine

Figure 3a(i): Ala, 0.167d std sol, Gilly

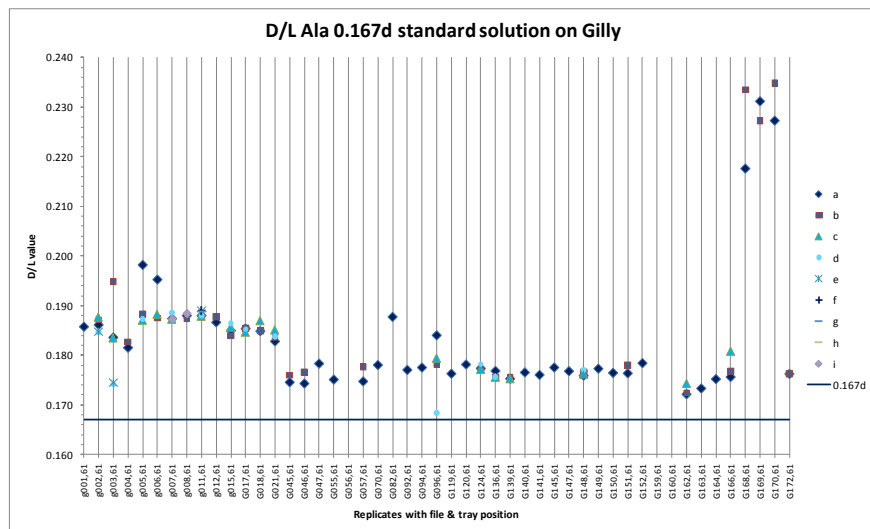
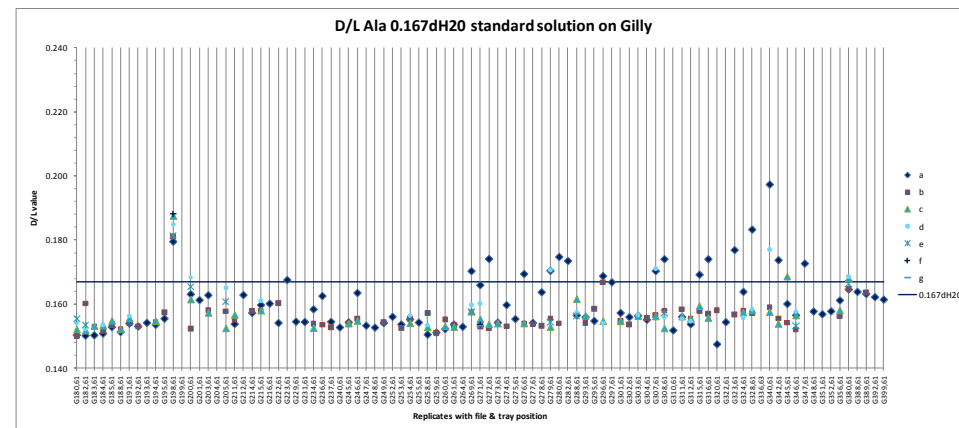
Figure 3b(i): Ala, 0.167dH₂O std sol, Gilly

Figure 3a(ii): Ala, 0.167d std sol, Hew

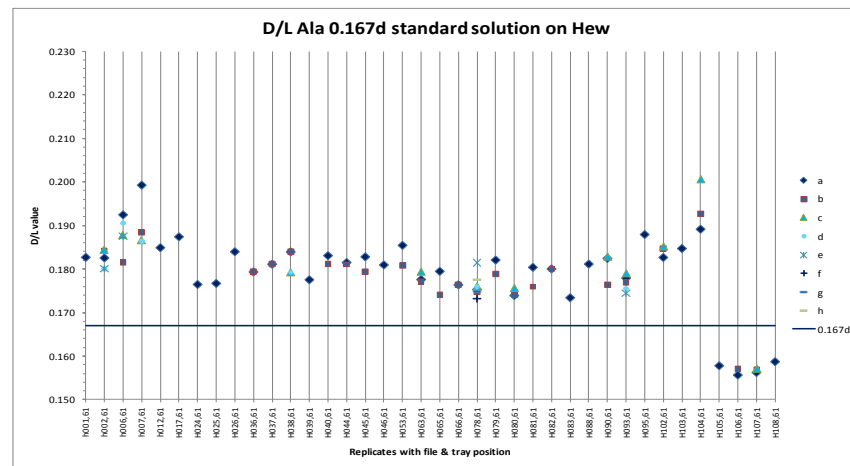
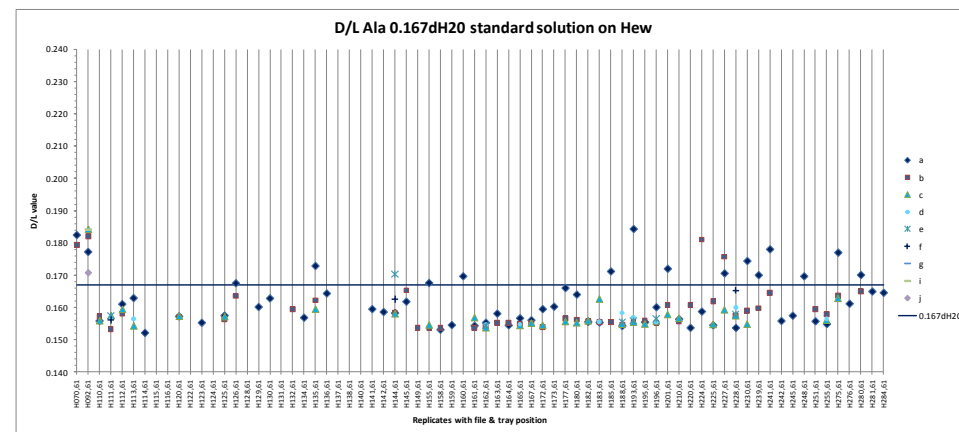
Figure 3b(ii): Ala, 0.167dH₂O std sol, Hew

Figure 3c(i): Ala, 0.5d std sol, Gilly

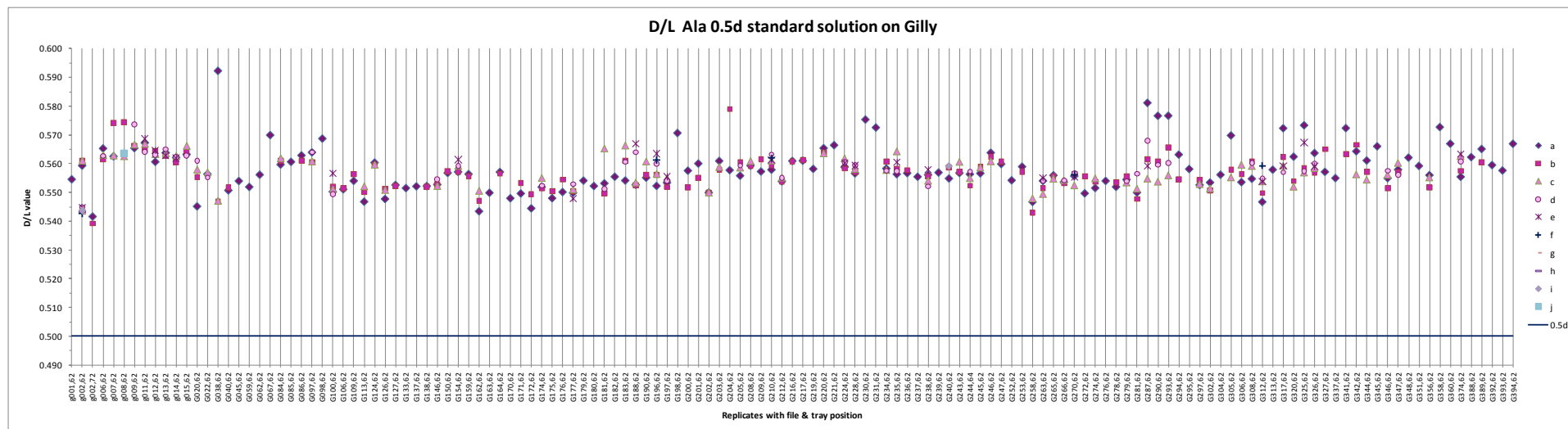


Figure 3c(ii): Ala, 0.5d std sol, Hew

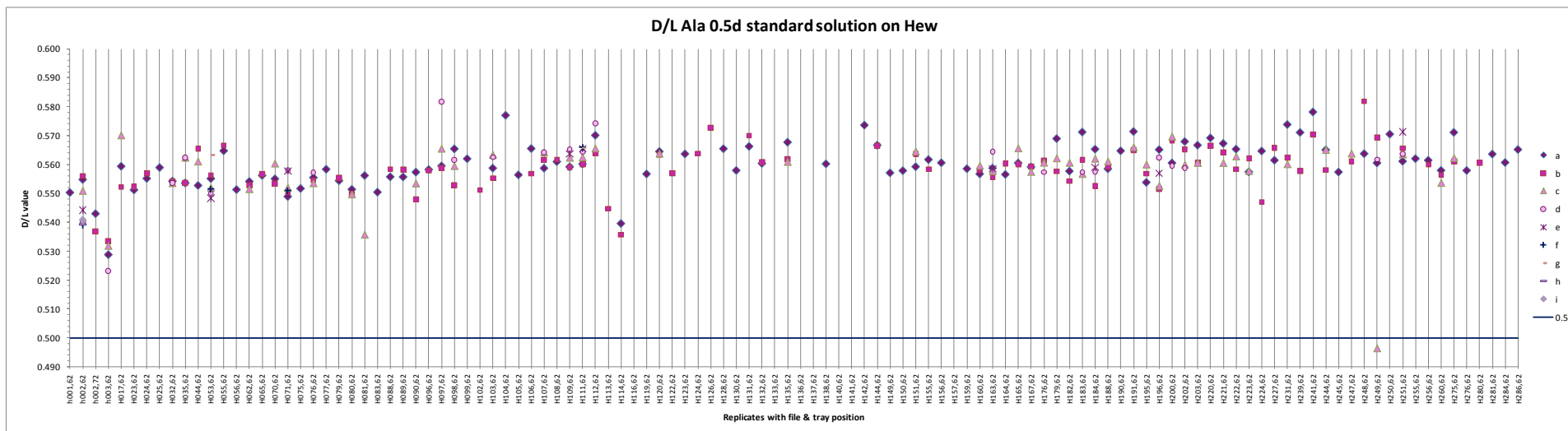


Figure 3d(i): Ala, 0.91d std sol, Gilly

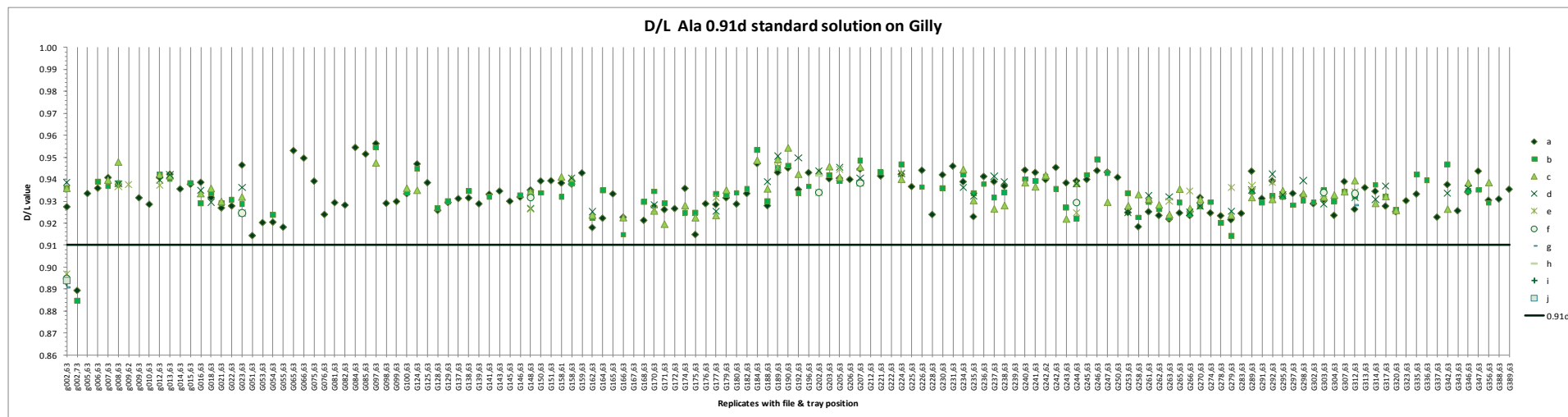
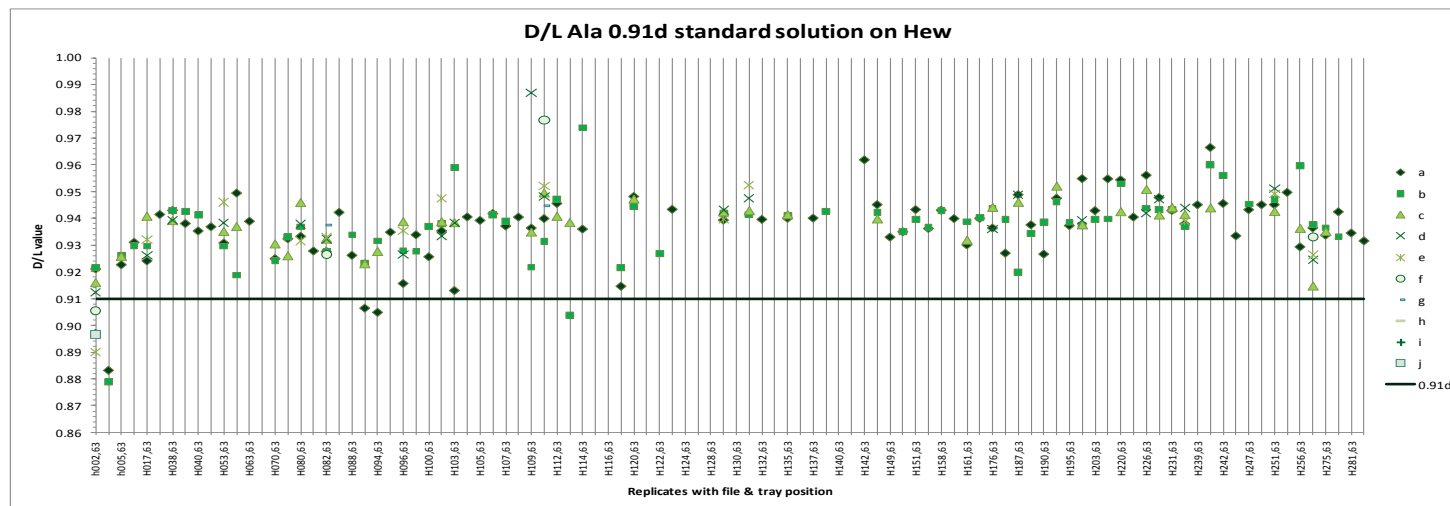


Figure 3d(ii): Ala, 0.91d std sol, Hew



4. Arginine

Figure 4a(i): Arg, 0.167d std sol, Gilly

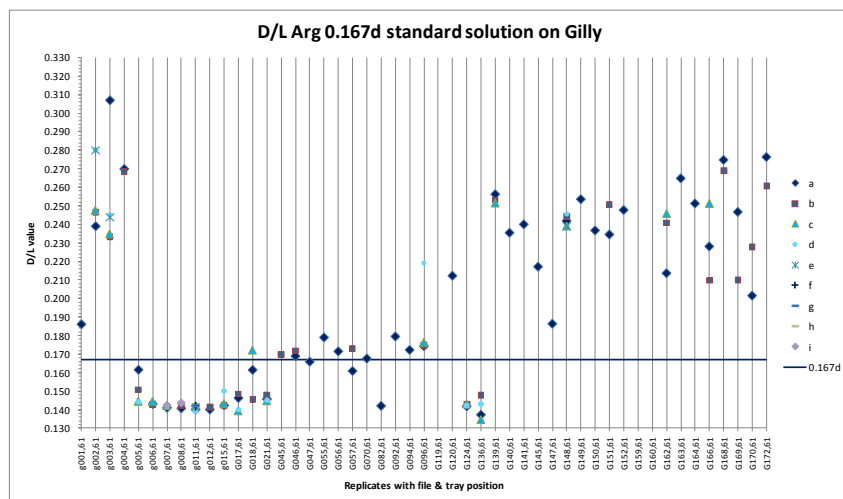
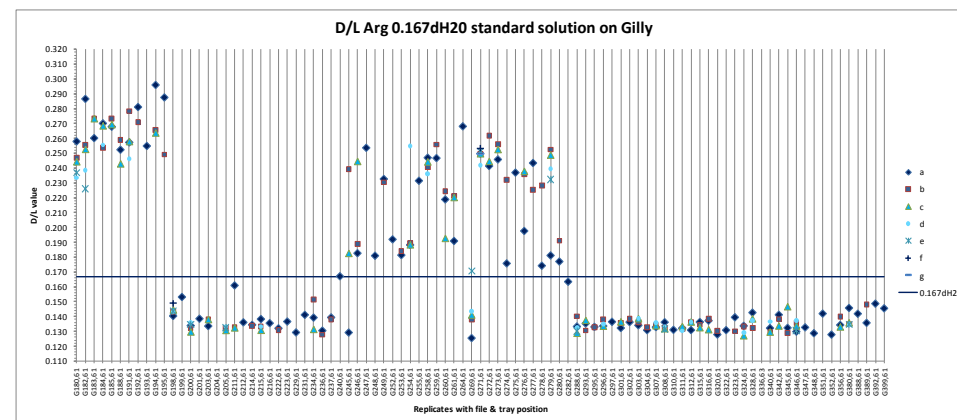
Figure 4b(i): Arg, 0.167dH₂O std sol, Gilly

Figure 4a(ii): Arg, 0.167d std sol, Hew

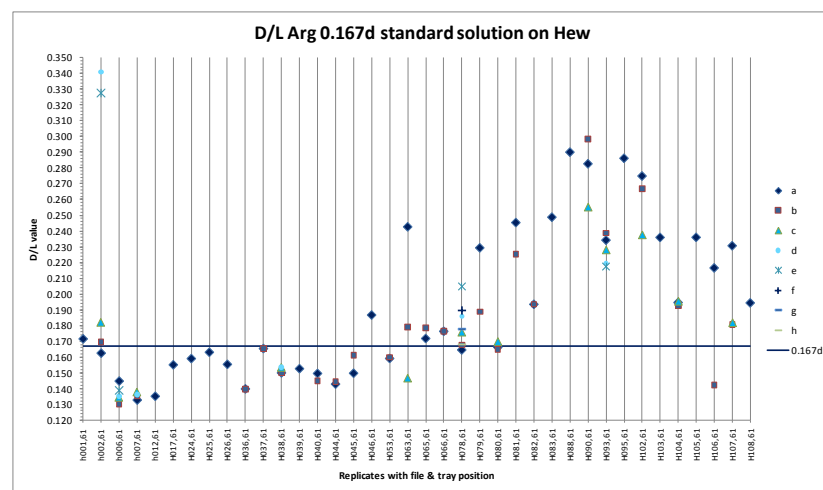
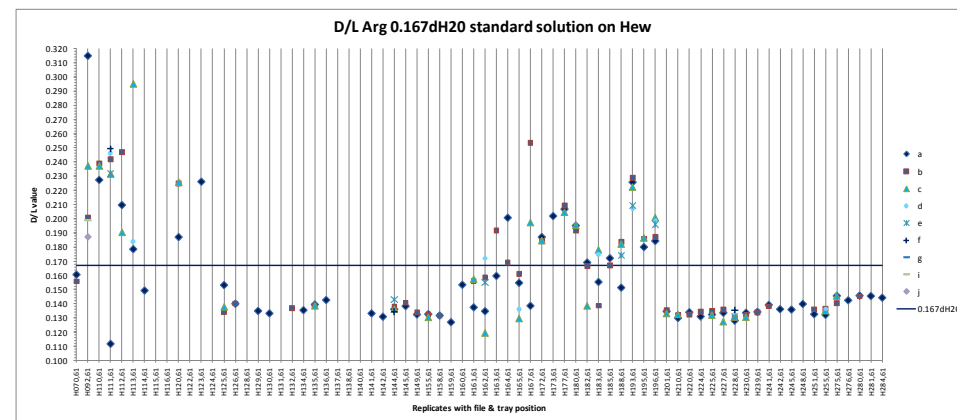
Figure 4b(ii): Arg, 0.167dH₂O std sol, Hew

Figure 4c(i): Arg, 0.5d std sol, Gilly

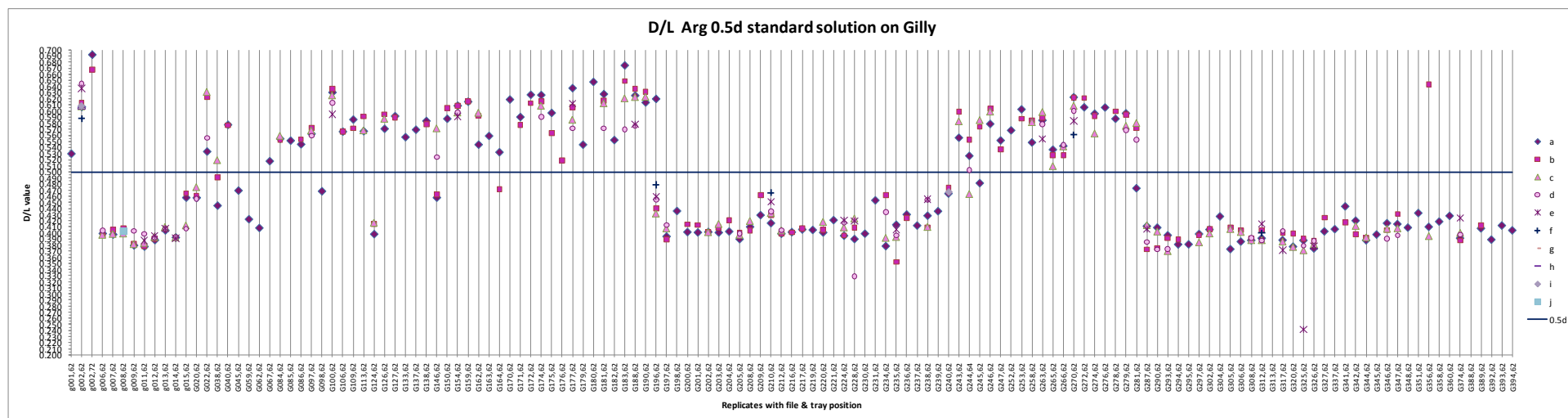


Figure 4c(ii): Arg, 0.5d std sol, Hew

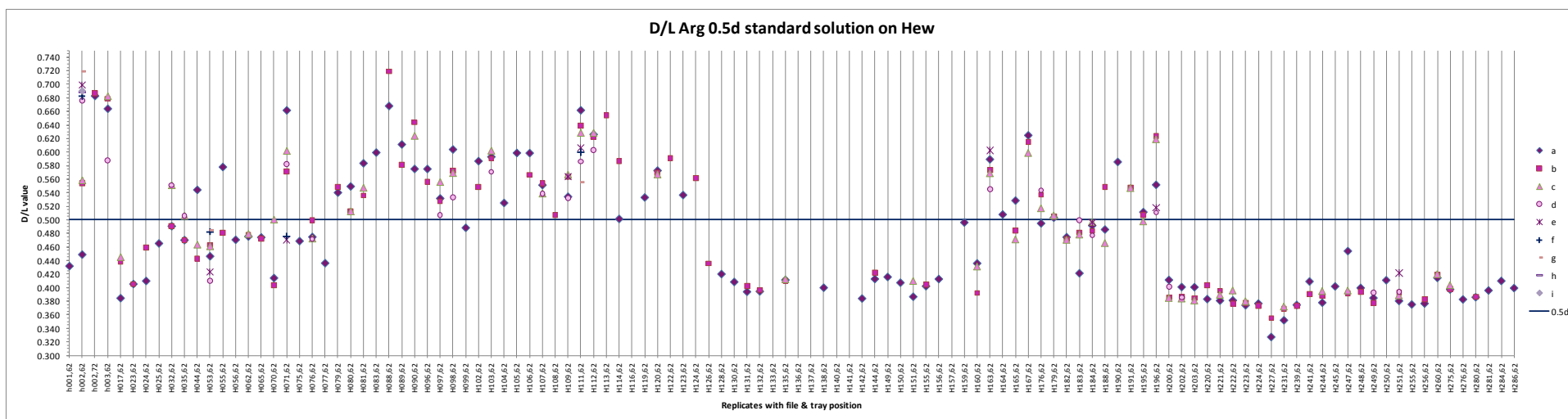


Figure 4d(i): Arg, 0.91d std sol, Gilly

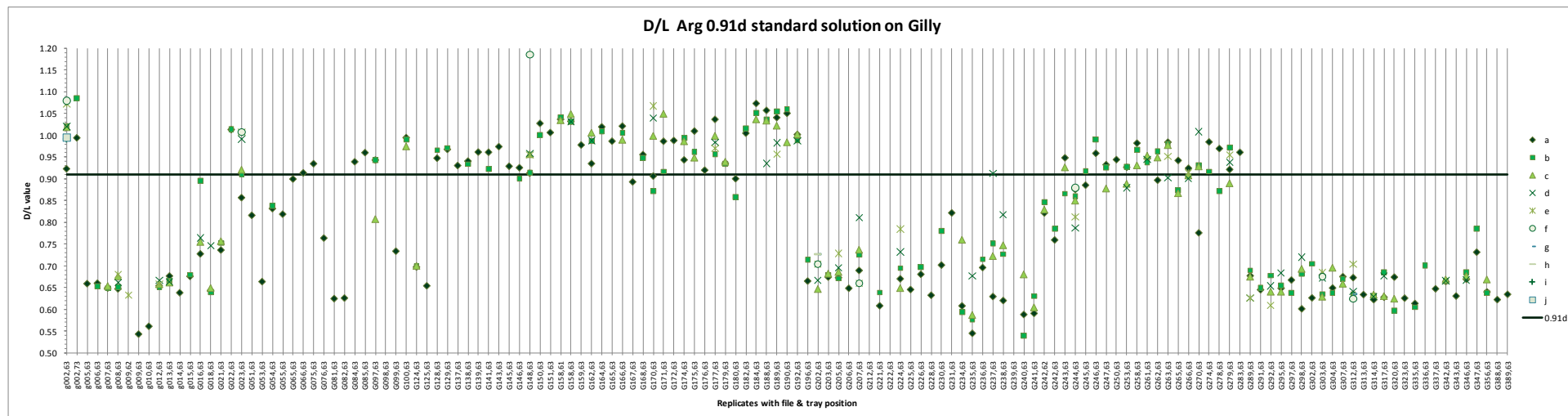
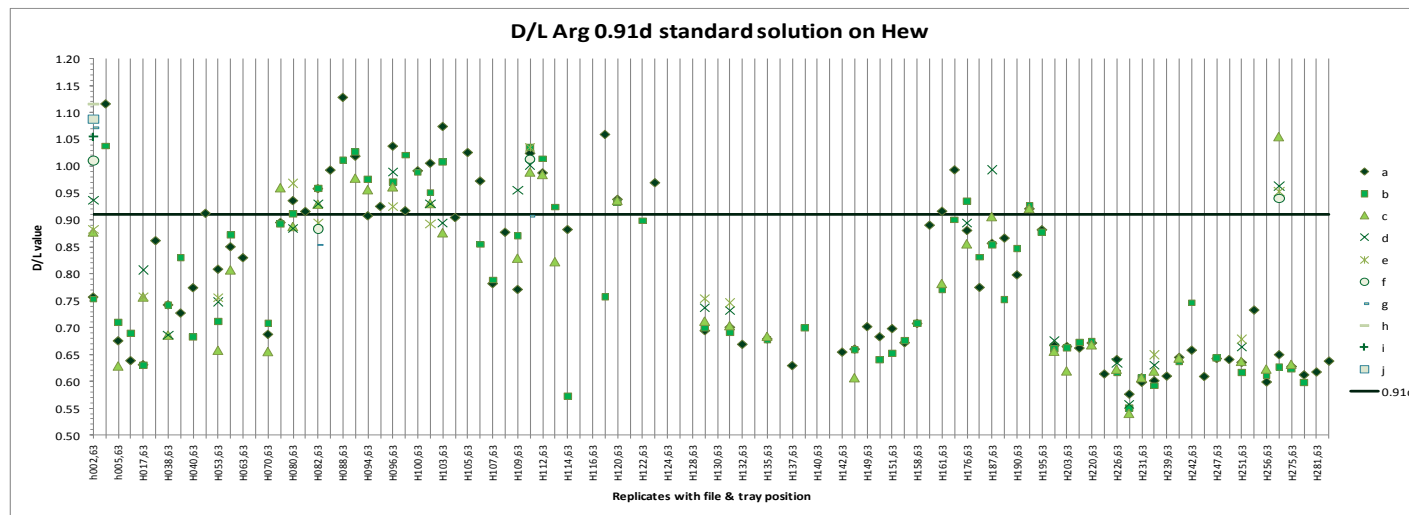


Figure 4d(ii): Arg, 0.91d std sol, Hew



5. Serine

Figure 5a(i): Ser, 0.167d std sol, Gilly

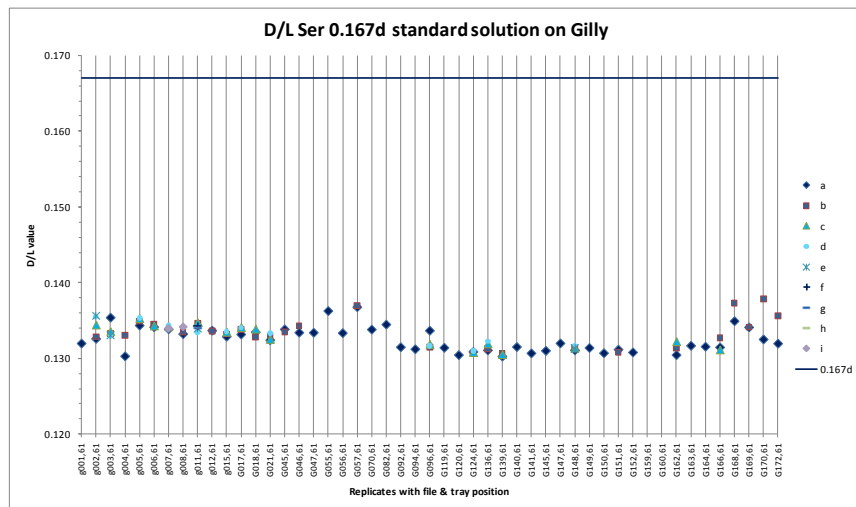
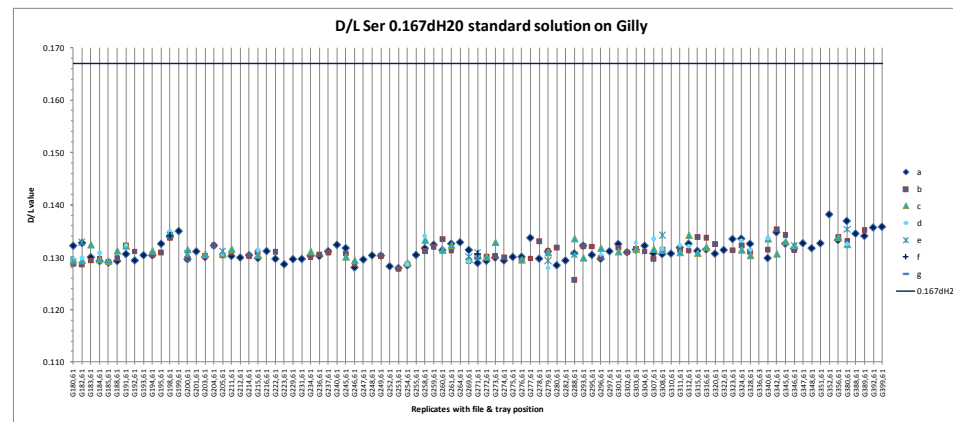
Figure 5b(i): Ser, 0.167dH₂O std sol, Gilly

Figure 5a(ii): Ser, 0.167d std sol, Hew

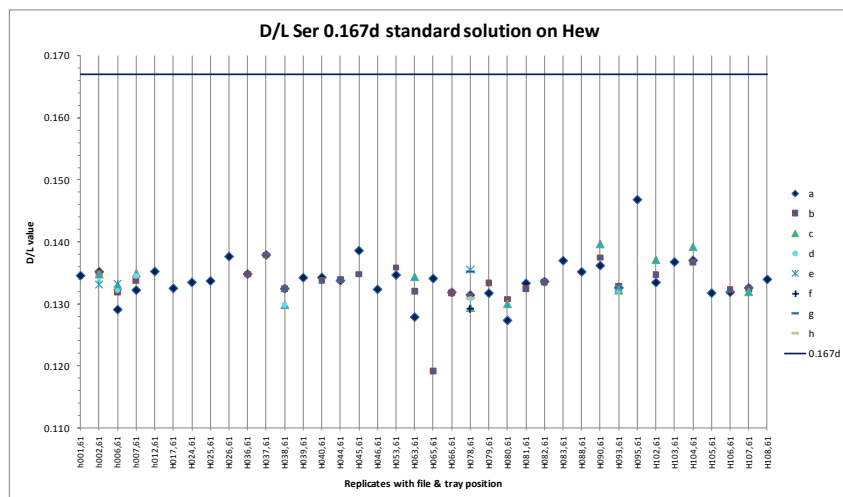
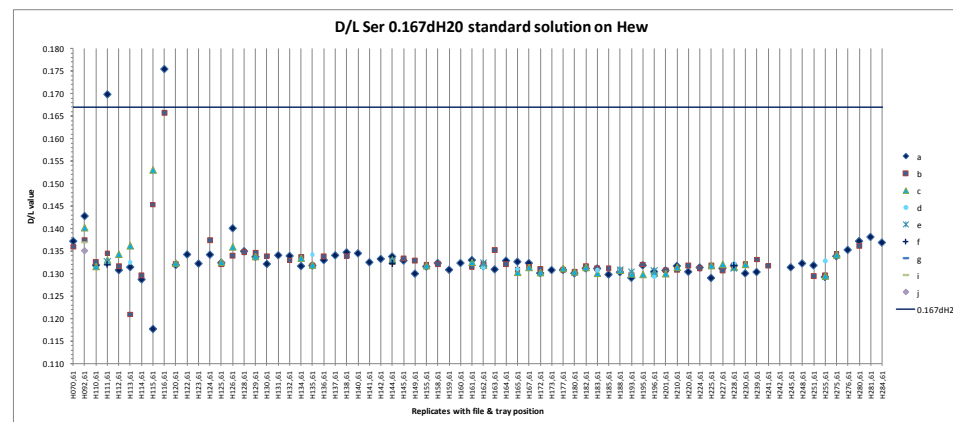
Figure 5b(ii): Ser, 0.167dH₂O std sol, Hew

Figure 5c(i): Ser, 0.5d std sol, Gilly

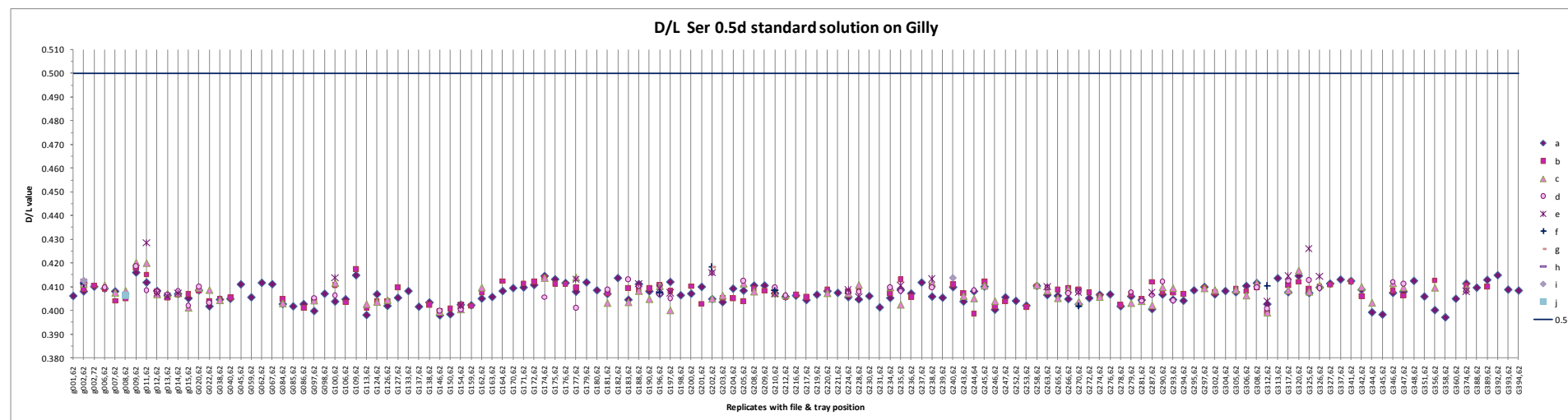


Figure 5c(ii): Ser, 0.5d std sol, Hew

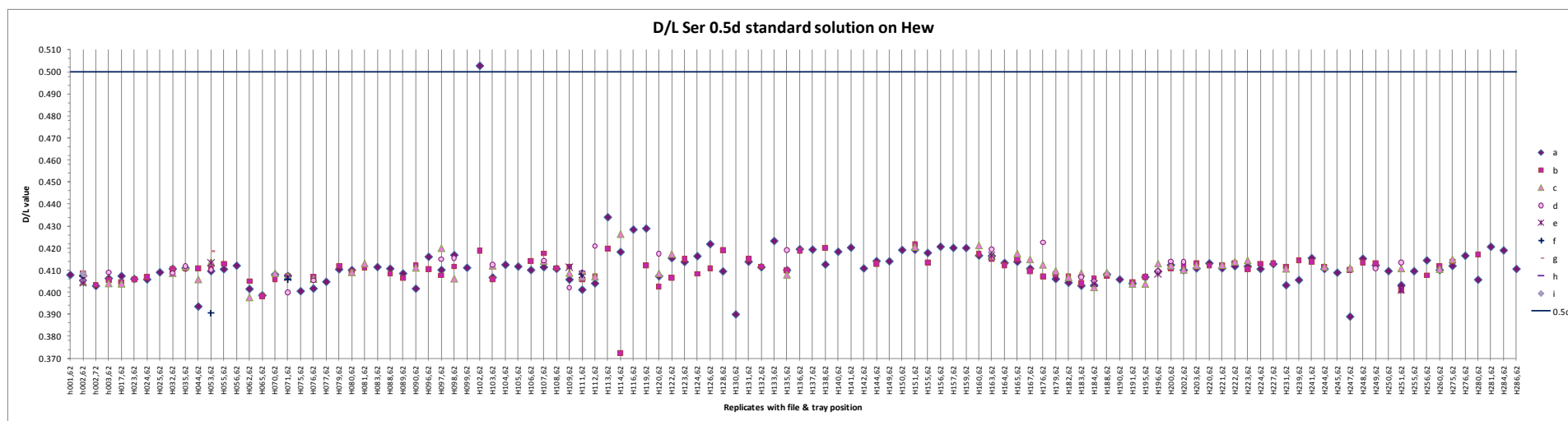


Figure 5d(i): Ser, 0.91d std sol, Gilly

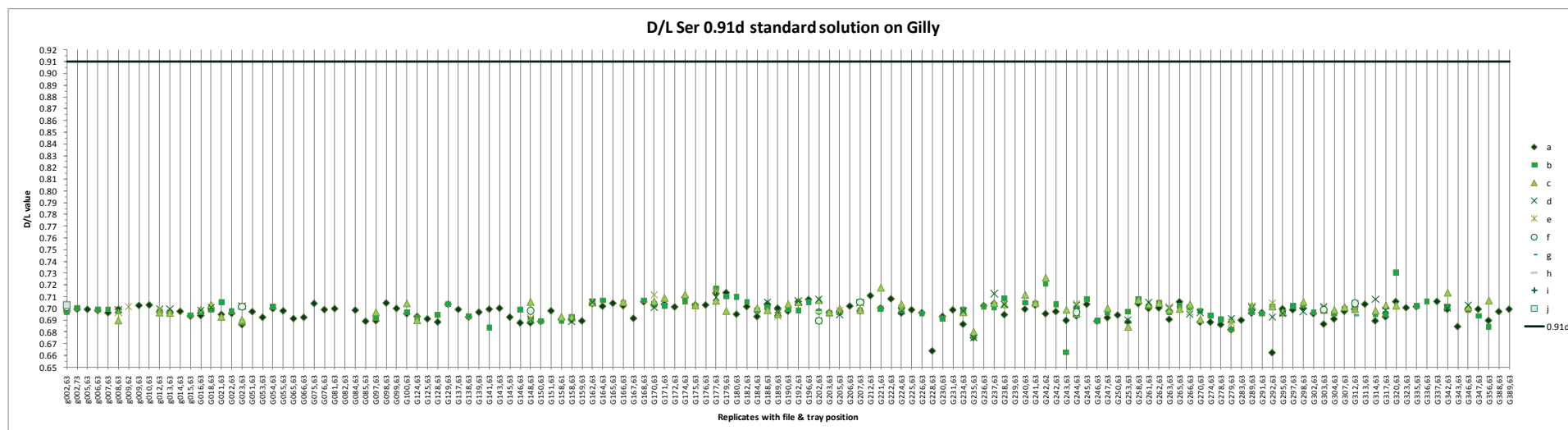
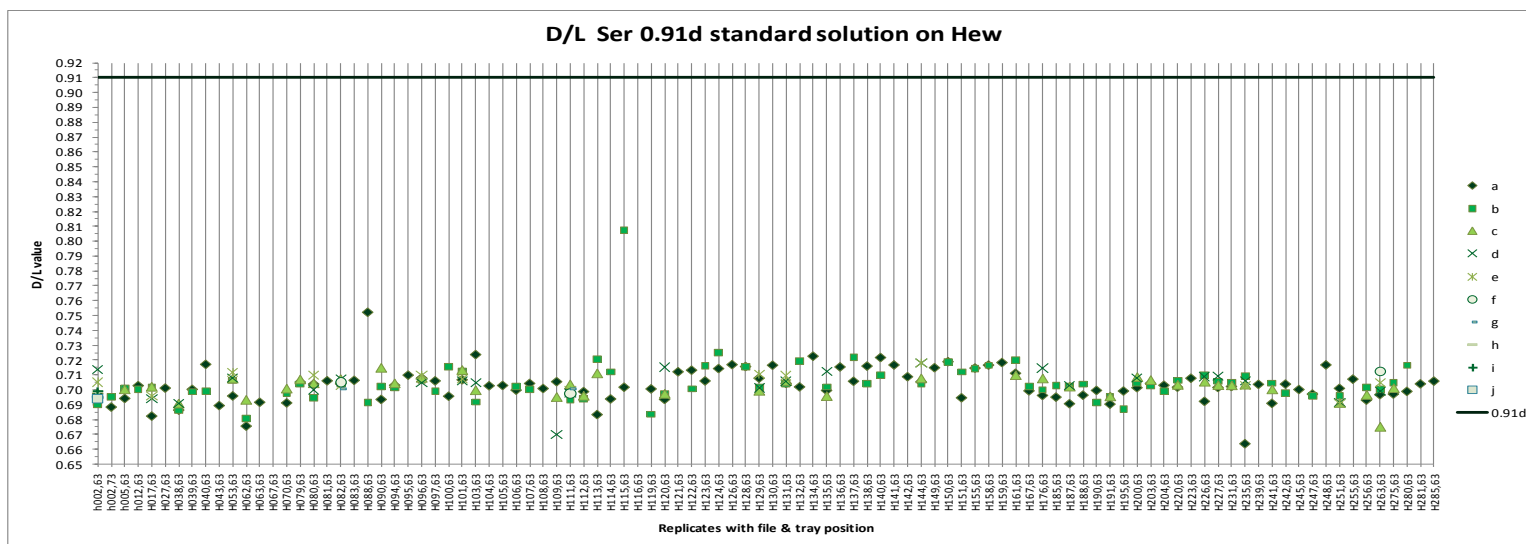


Figure 5d(ii): Ser, 0.91d std sol, Hew



6. Valine

Figure 6a(i): Val, 0.167d std sol, Gilly

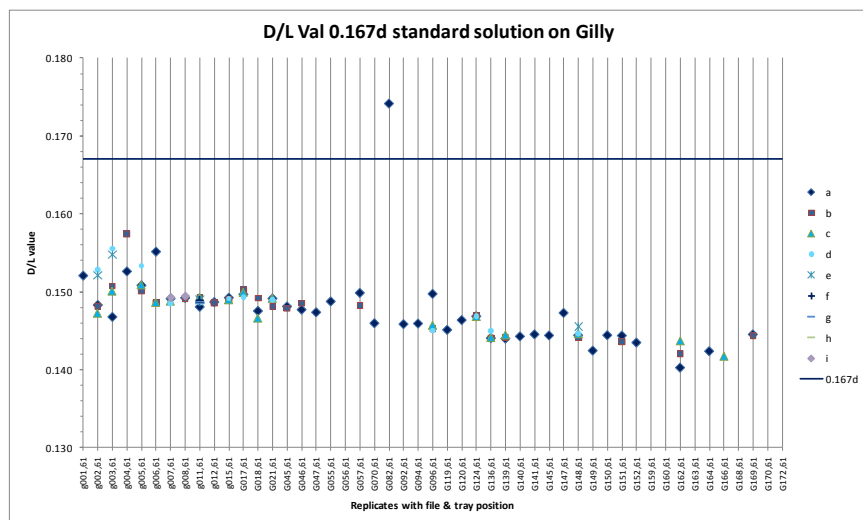
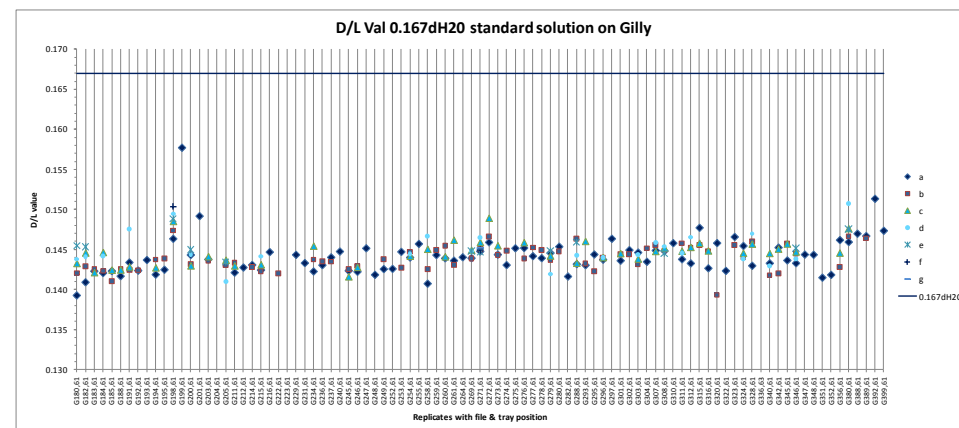
Figure 6b(i): Val, 0.167dH₂O std sol, Gilly

Figure 6a(ii): Val, 0.167d std sol, Hew

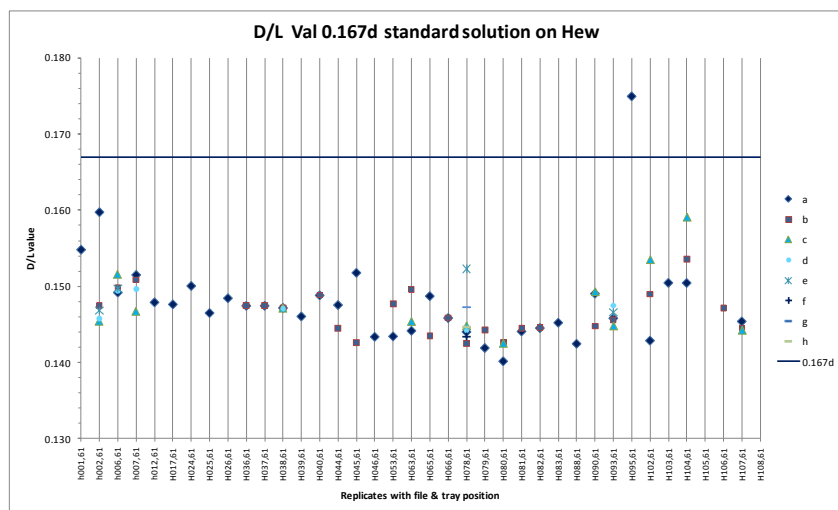
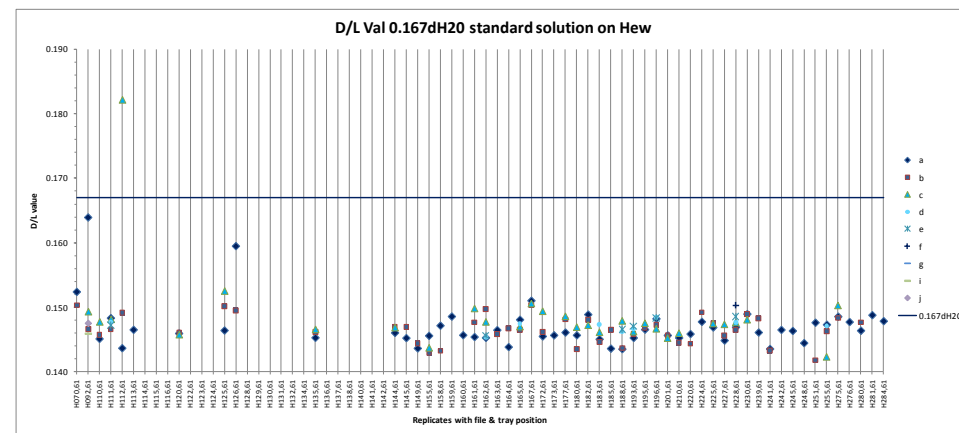
Figure 6b(ii): Val, 0.167dH₂O std sol, Hew

Figure 6c(i): Val, 0.5d std sol, Gilly

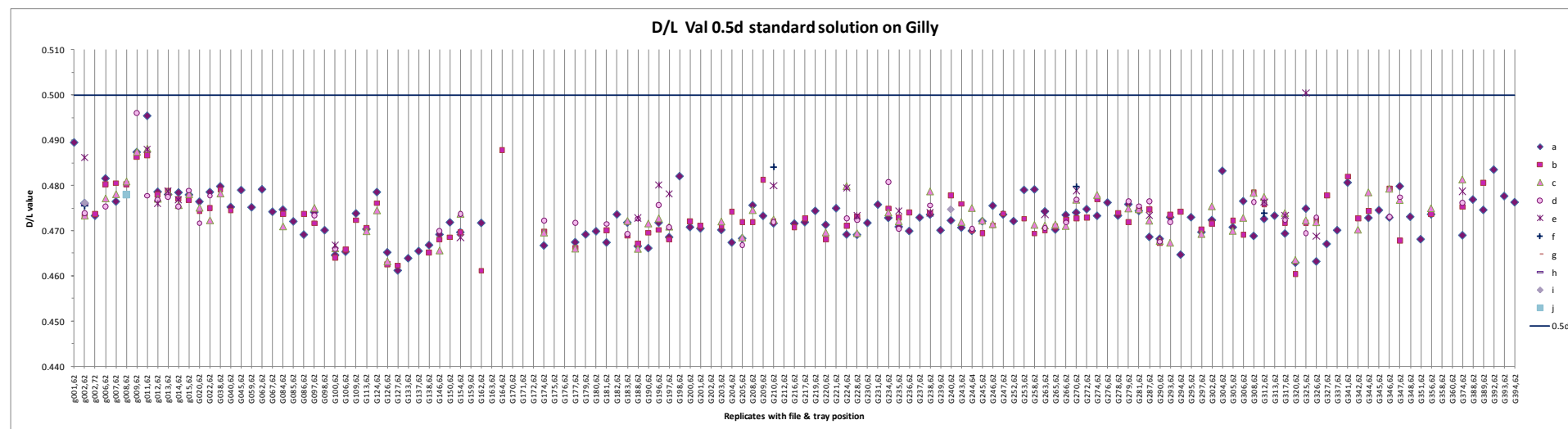


Figure 6c(ii): Val, 0.5d std sol, Hew

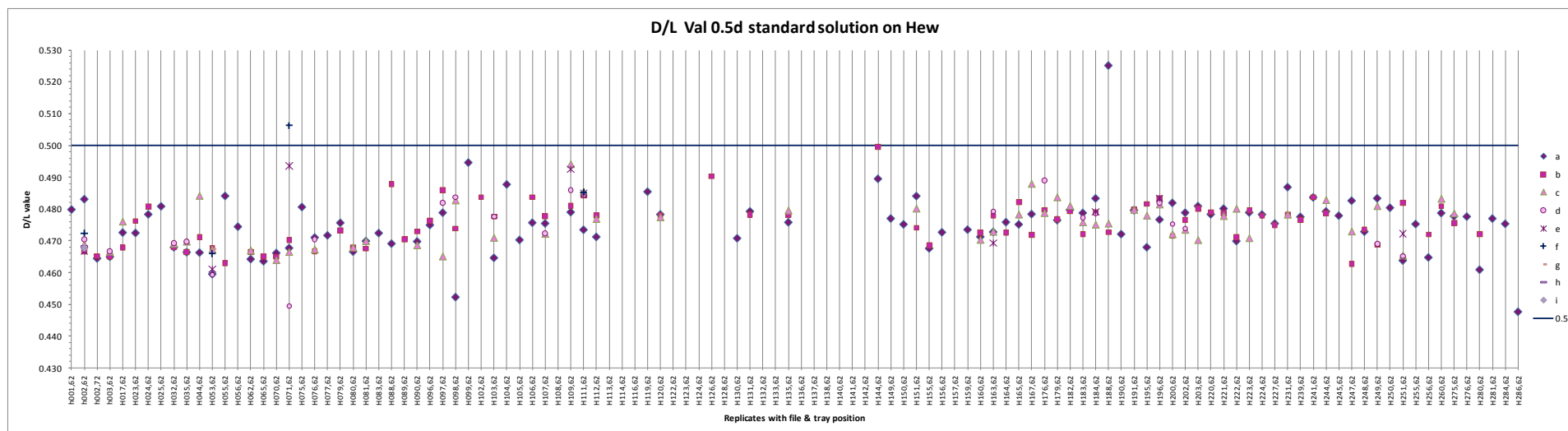


Figure 6d(i): Val, 0.91d std sol, Gilly

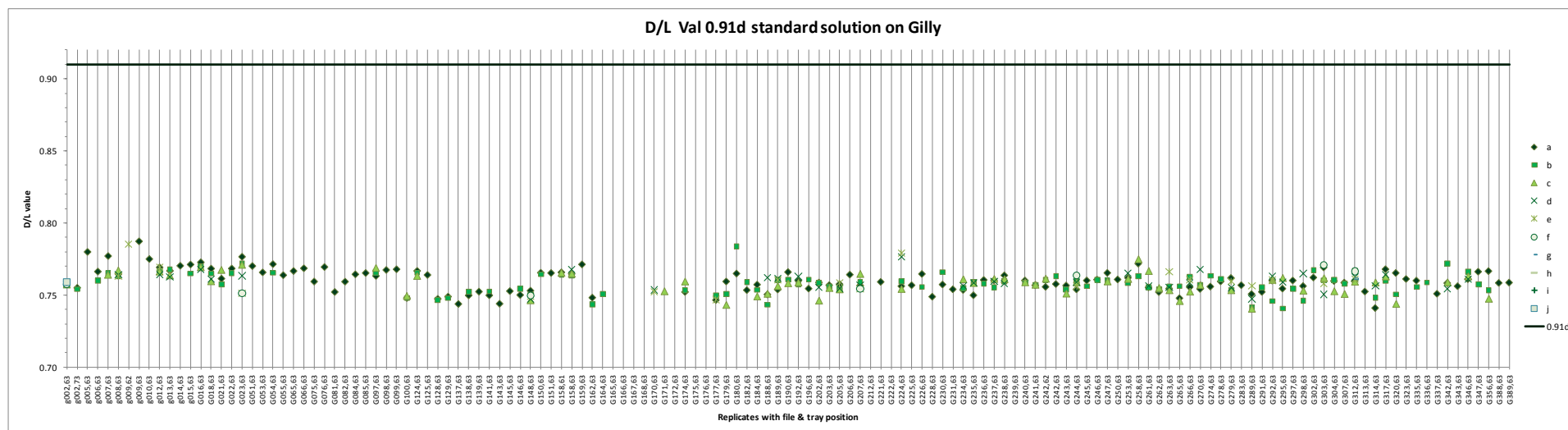
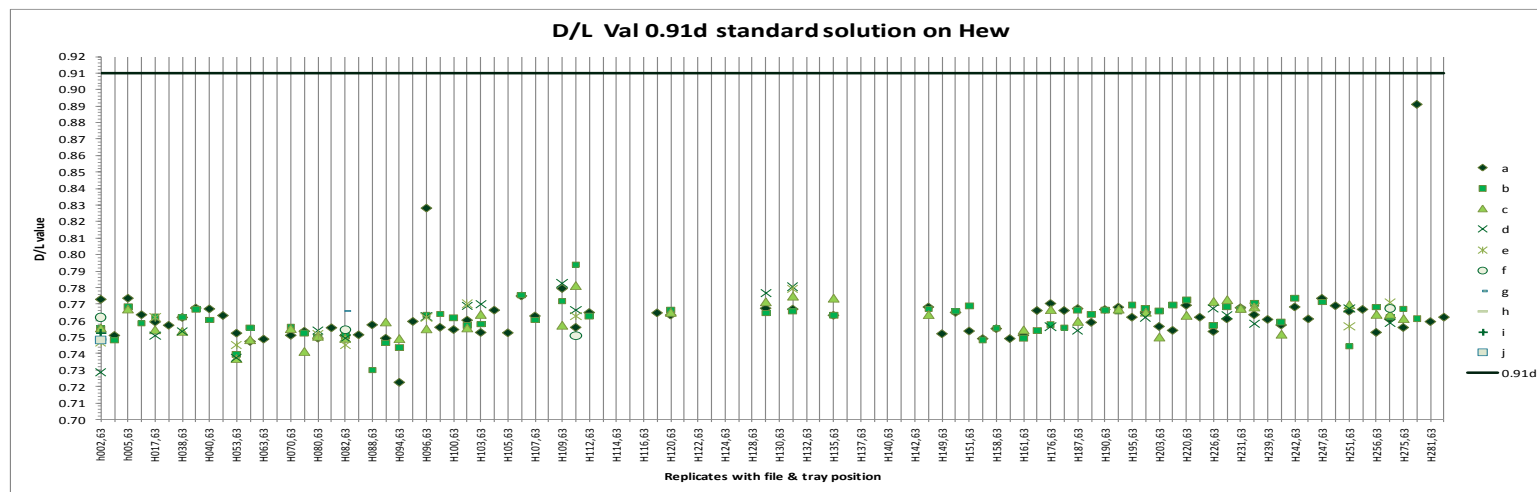


Figure 6d(ii): Val, 0.91d std sol, Hew



7. Methionine

Figure 7a: Met, 0.167d std sol, Gilly

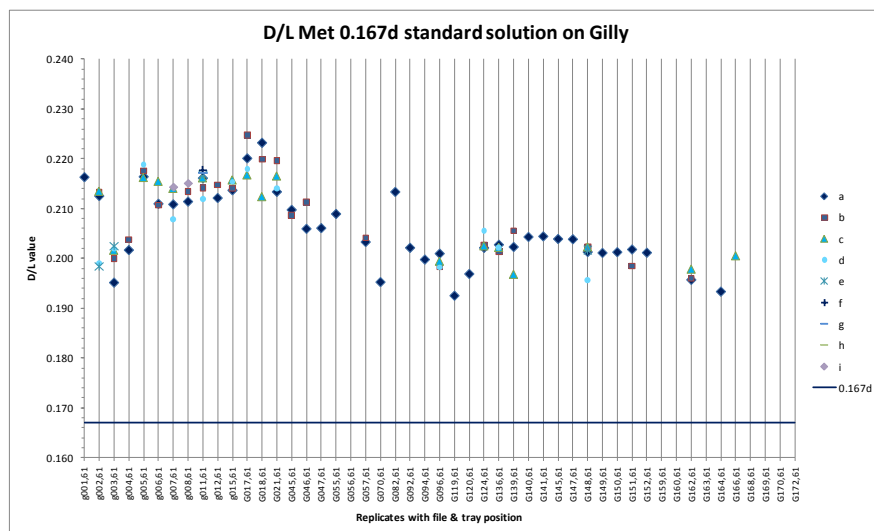
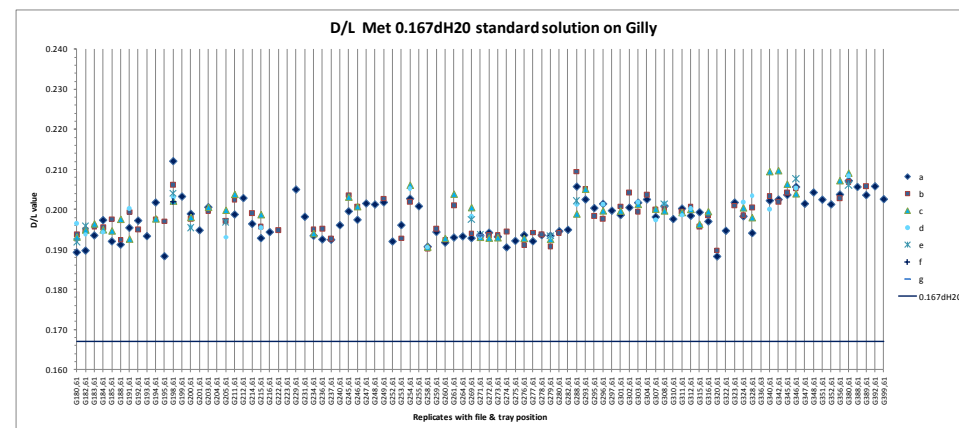
Figure 7b(i): Met, 0.167dH₂O std sol, Gilly

Figure 7a(ii): Met, 0.167d std sol, Hew

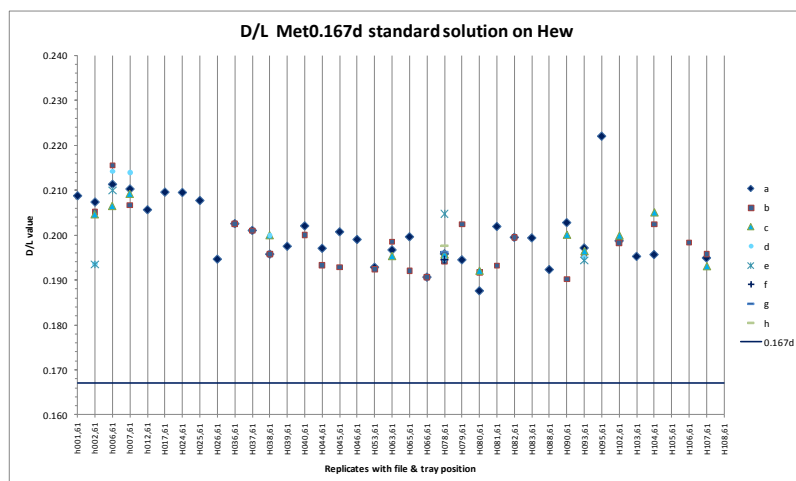
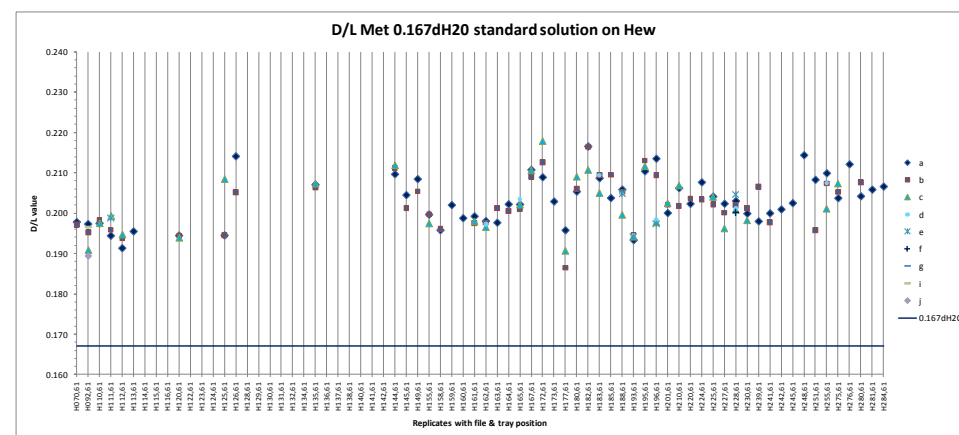
Figure 7b(ii): Met, 0.167dH₂O std sol, Hew

Figure 7c(i): Met, 0.5d std sol, Gilly

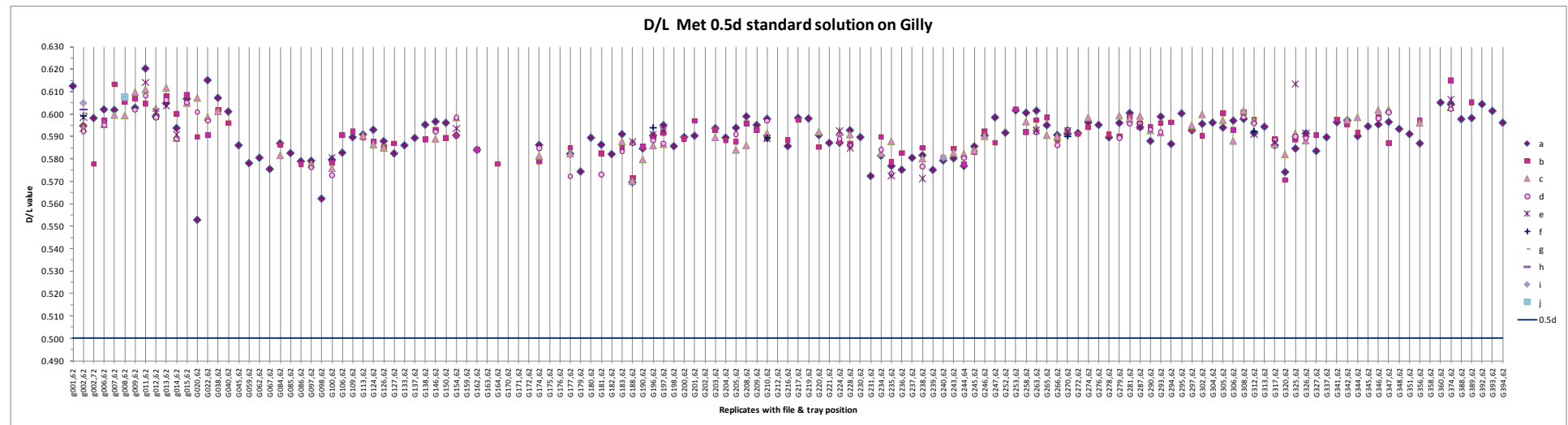


Figure 7c(ii): Met, 0.5d std sol, Hew

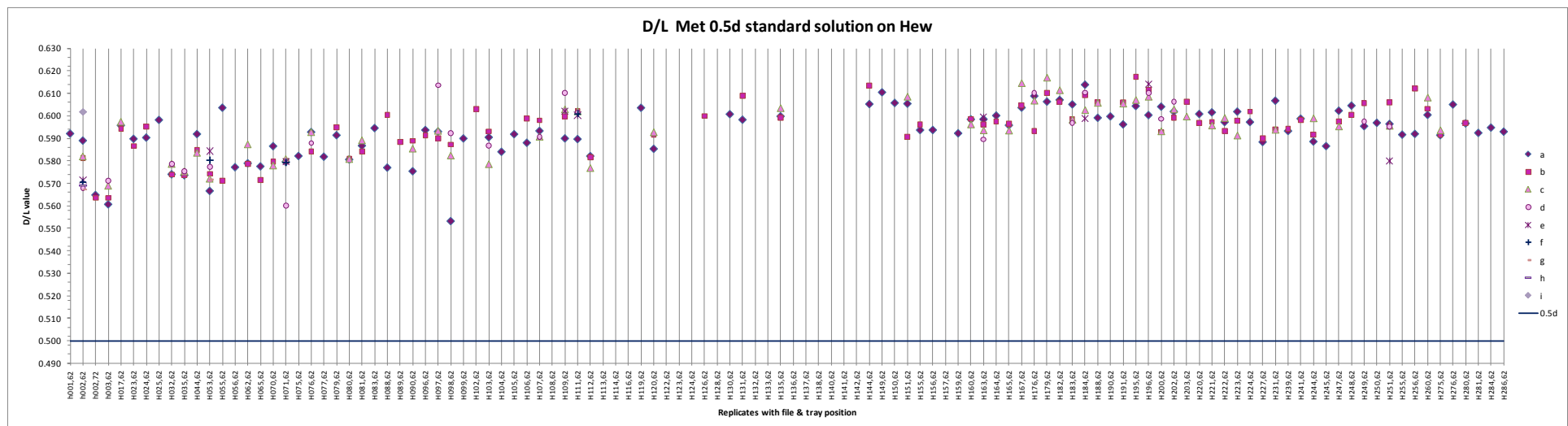


Figure 7d(i): Met, 0.91d std sol, Gilly

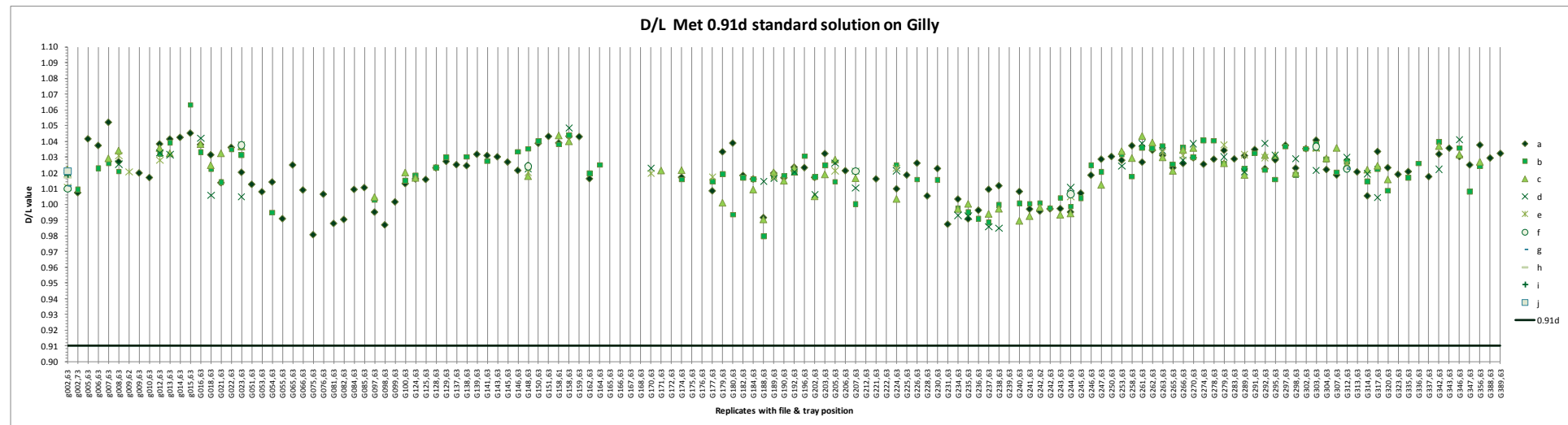
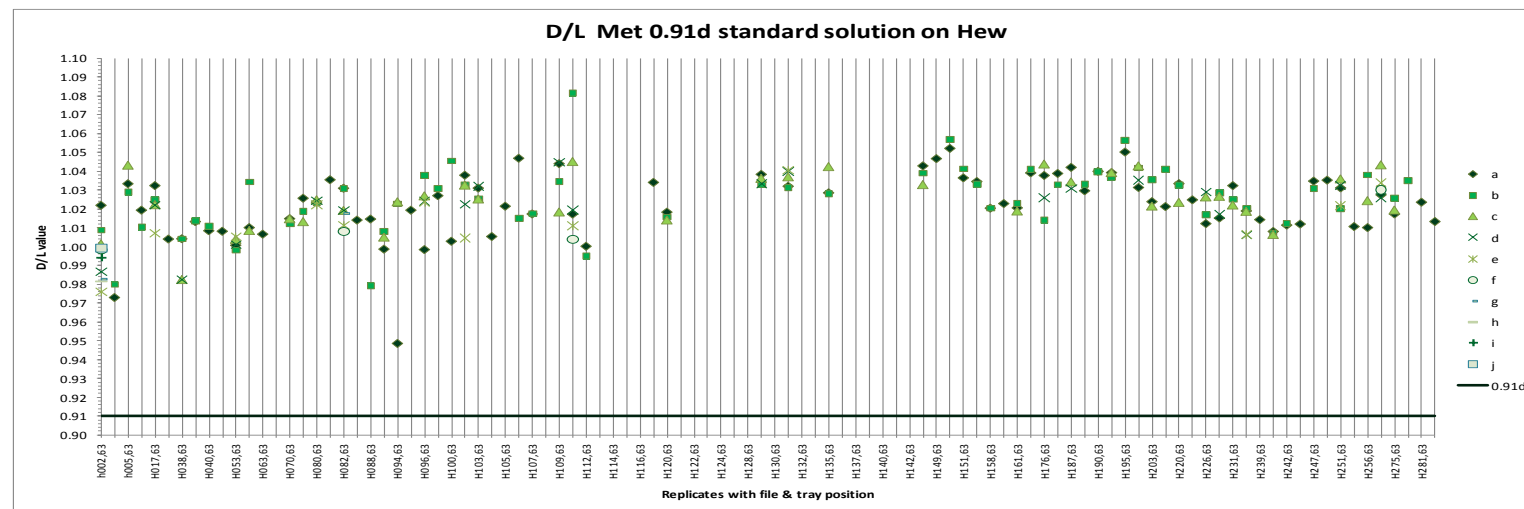


Figure 7d(ii): Met, 0.91d std sol, Hew



8. Phenylalanine

Figure 8a(i): Phe, 0.167d std sol, Gilly

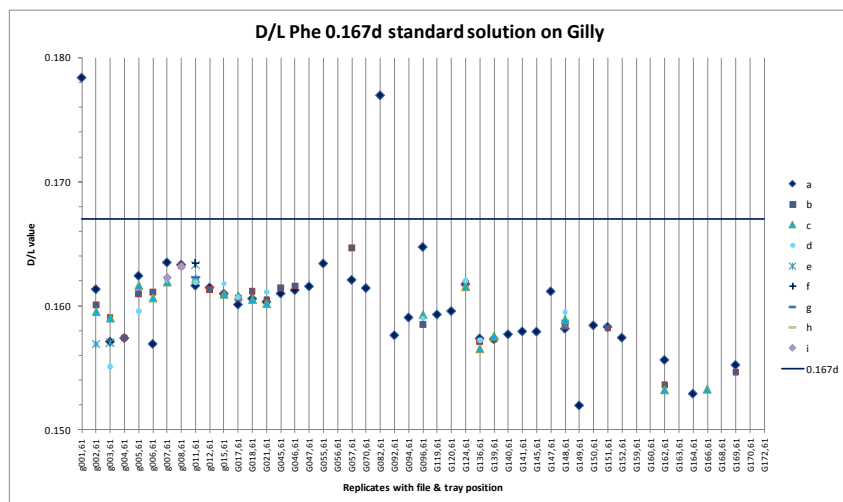


Figure 8a(ii): Phe, 0.167d std sol, Hew

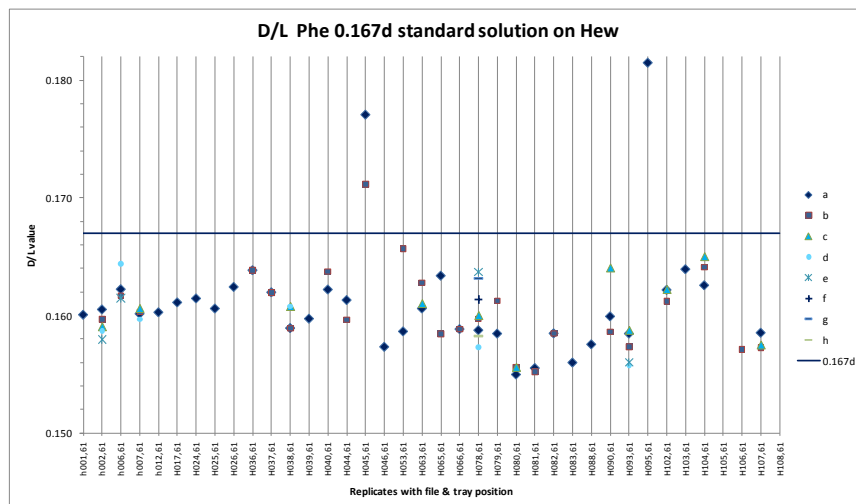


Figure 8b(i): Phe, 0.167dH2O std sol, Gilly

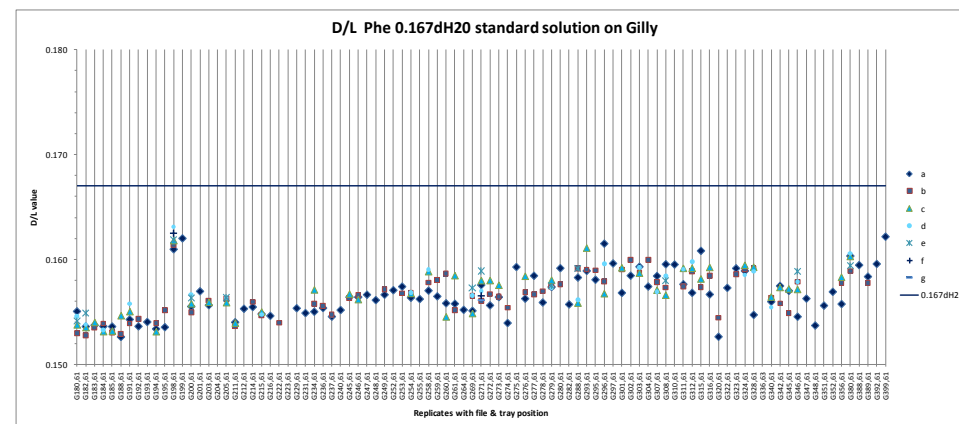


Figure 8b(ii): Phe, 0.167dH2O std sol, Hew

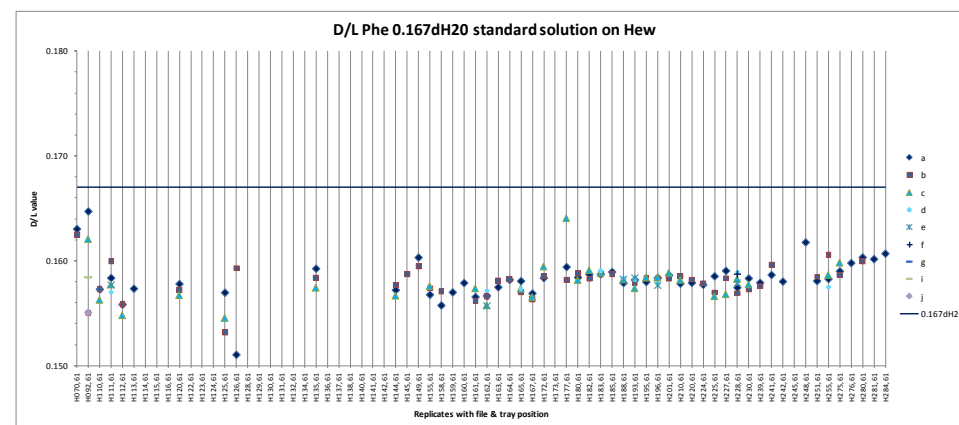


Figure 8c(i): Phe, 0.5d std sol, Gilly

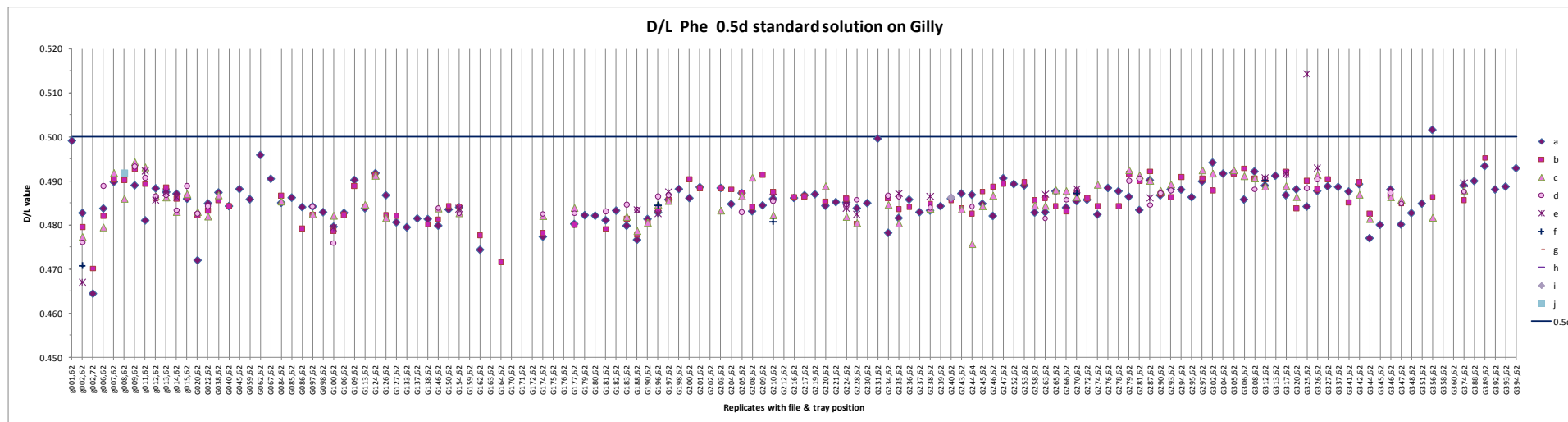


Figure 8c(ii): Phe, 0.5d std sol, Hew

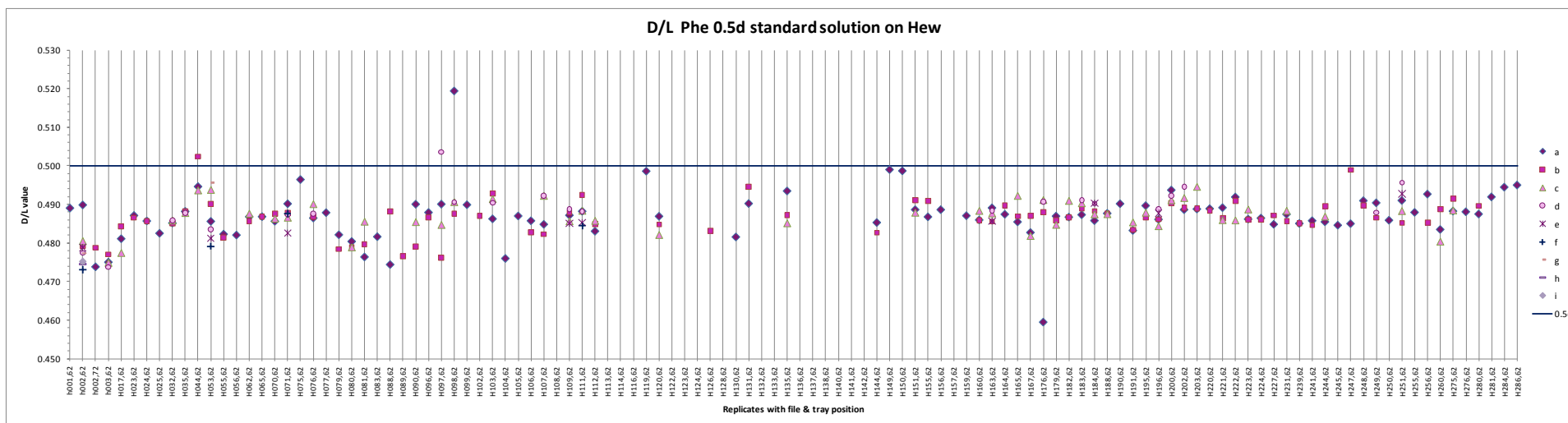


Figure 8d(i): Phe, 0.91d std sol, Gilly

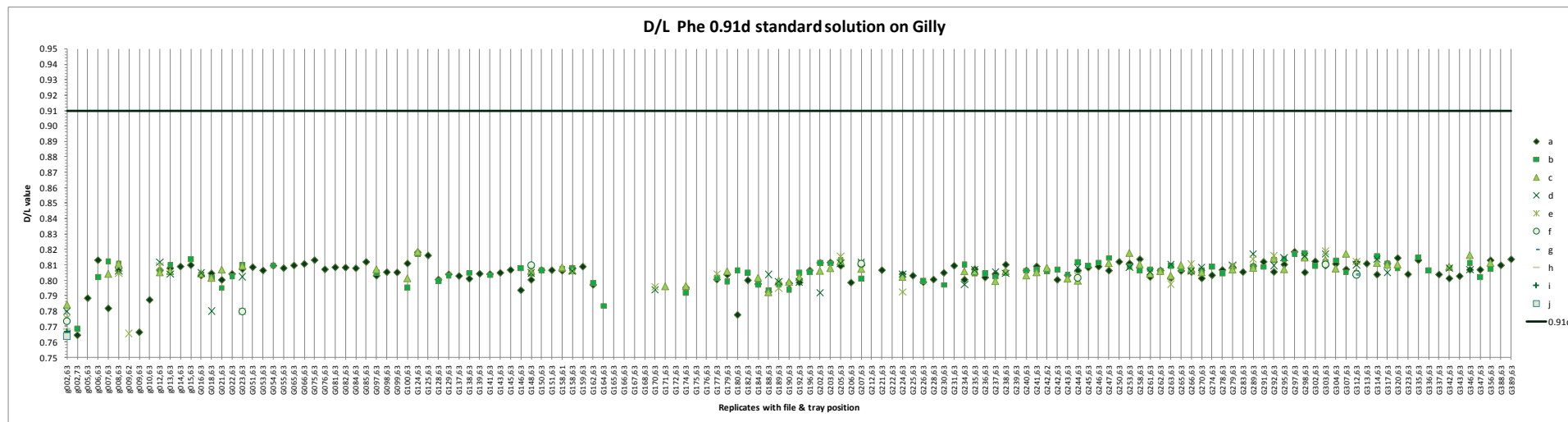
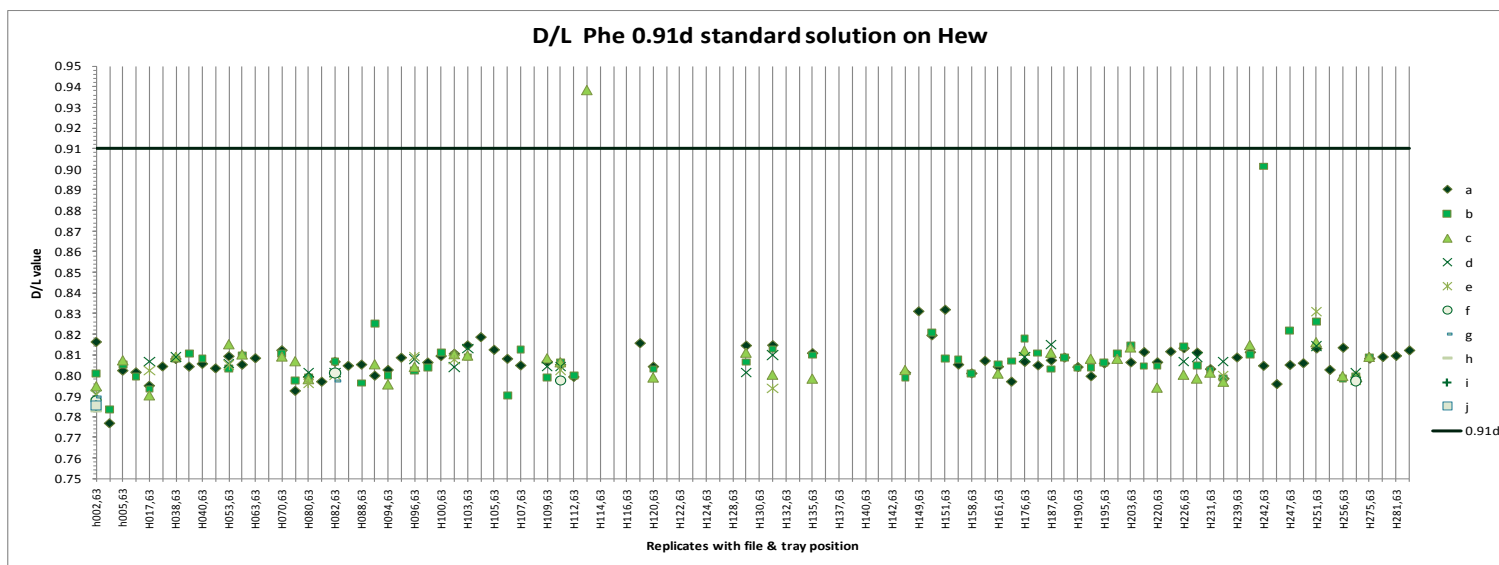


Figure 8d(ii): Phe, 0.91d std sol, Hew



9. Isoleucine

Figure 9a(i): Ile, 0.167d std sol, Gilly

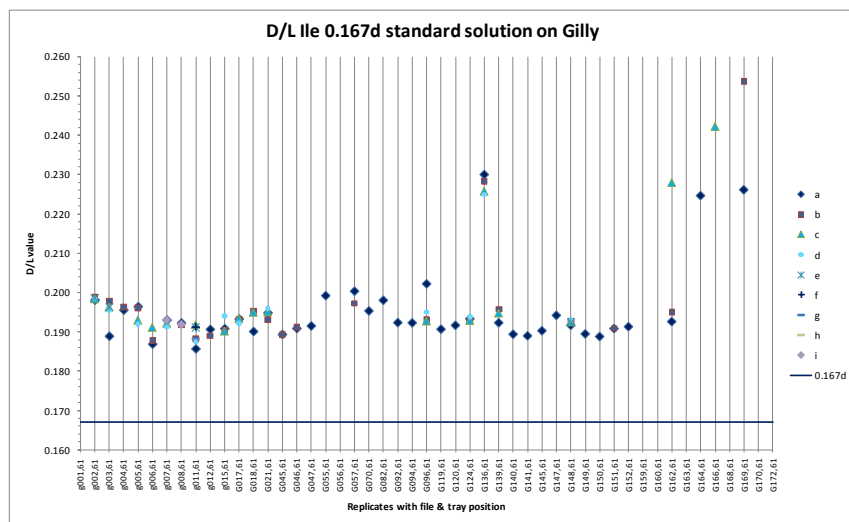
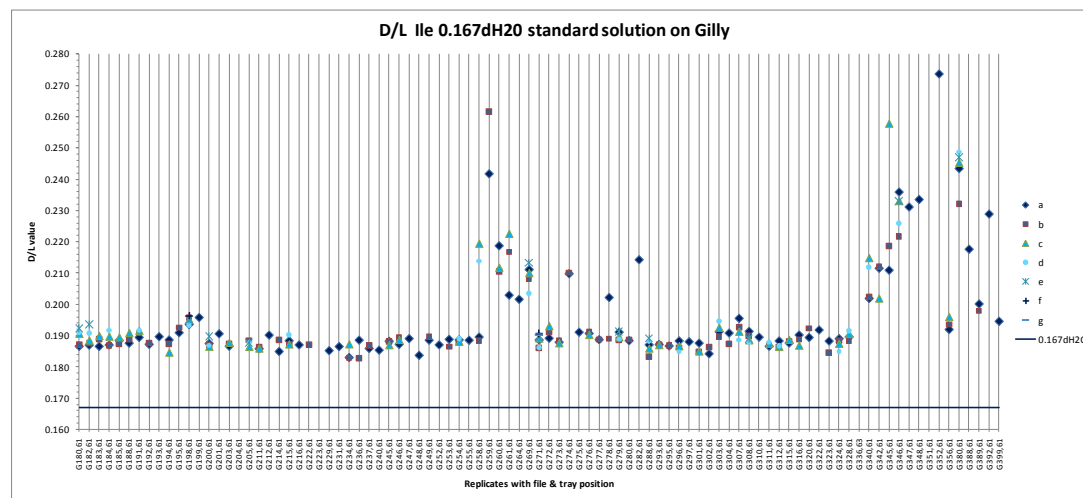
Figure 9b(i): Ile, 0.167dH₂O std sol, Gilly

Figure 9a(ii): Ile, 0.167d std sol, Hew

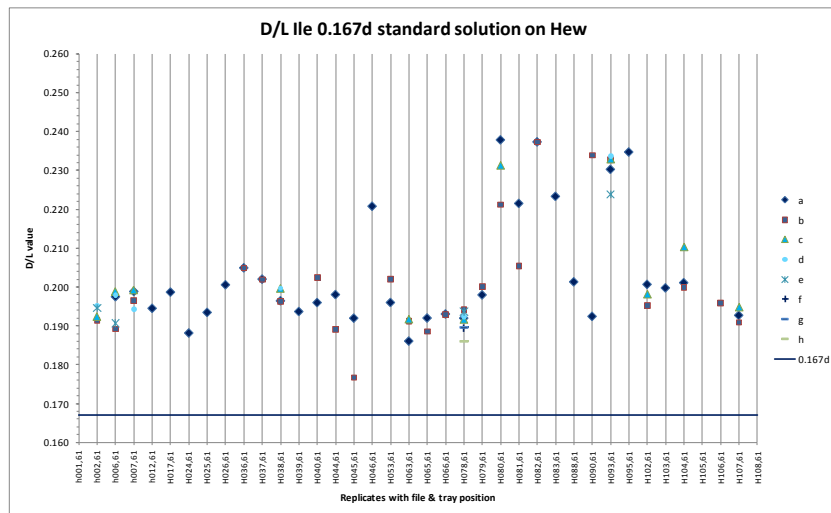
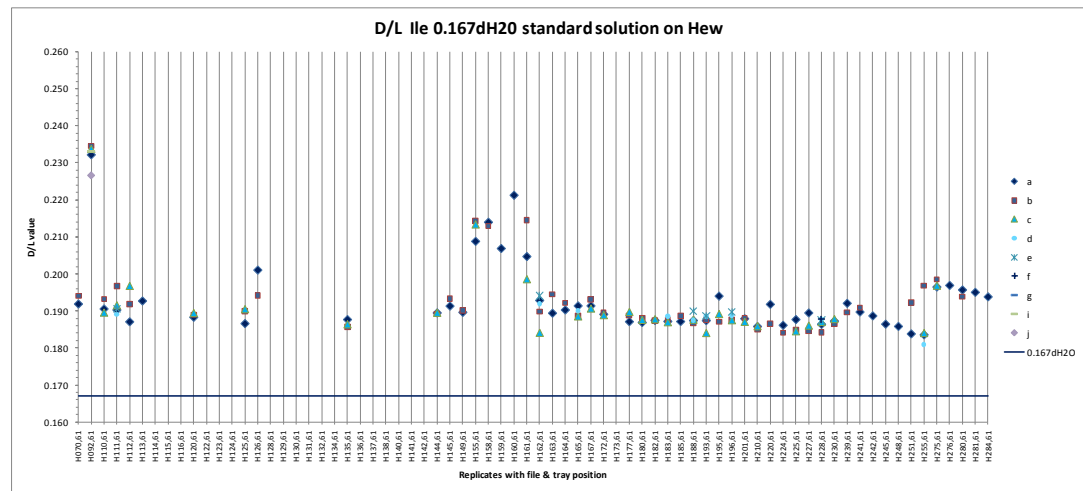
Figure 9b(ii): Ile, 0.167dH₂O std sol, Hew

Figure 9c(i): Ile, 0.5d std sol, Gilly

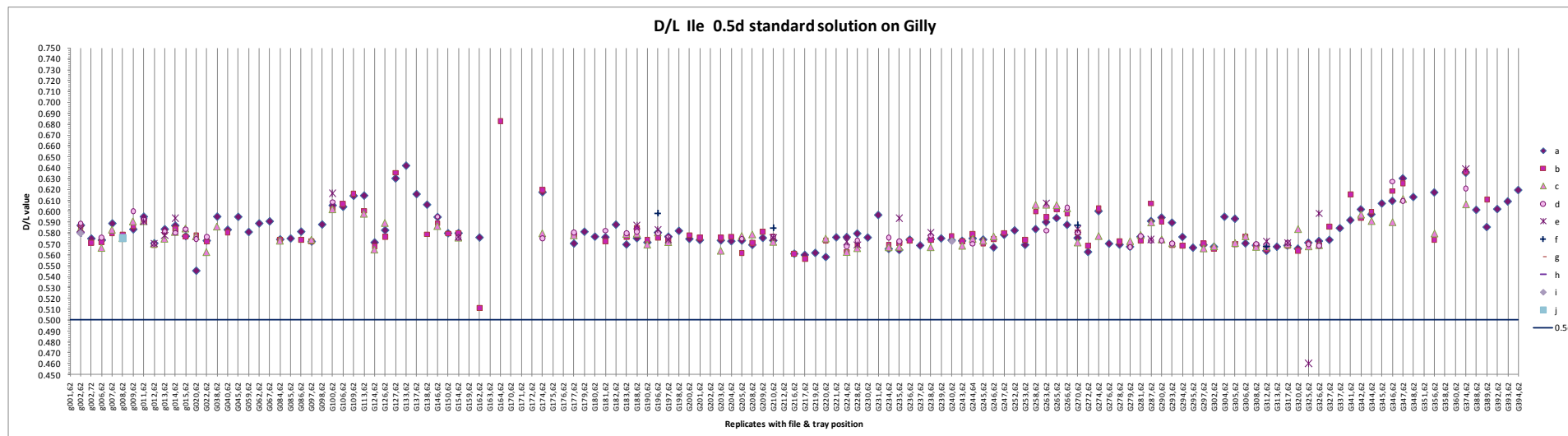


Figure 9c(ii): Ile, 0.5d std sol, Hew

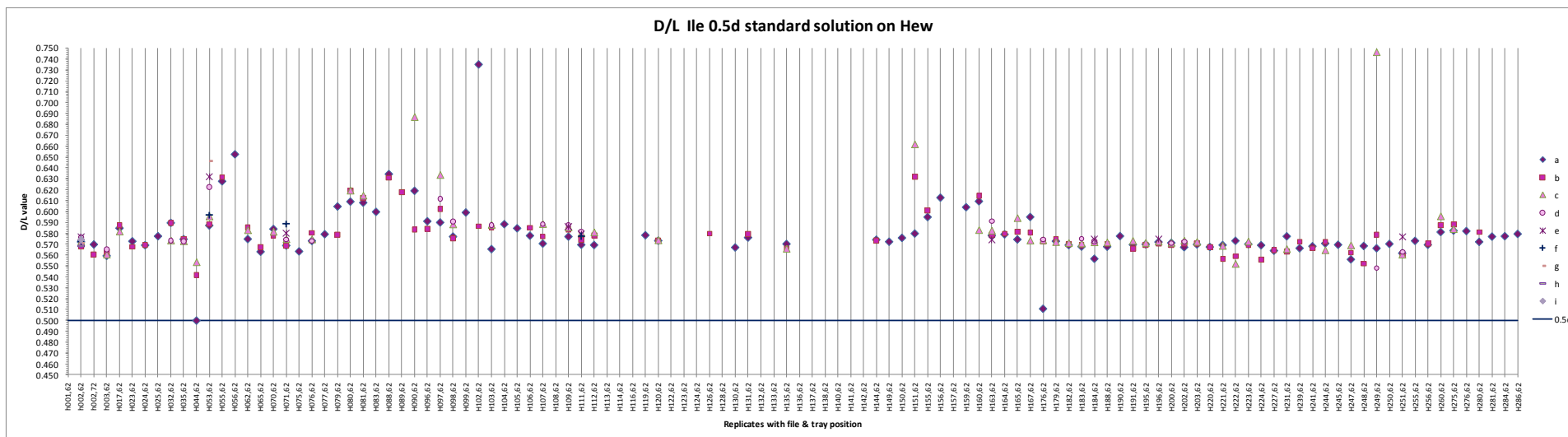


Figure 9d(i): Ile, 0.91d std sol, Gilly

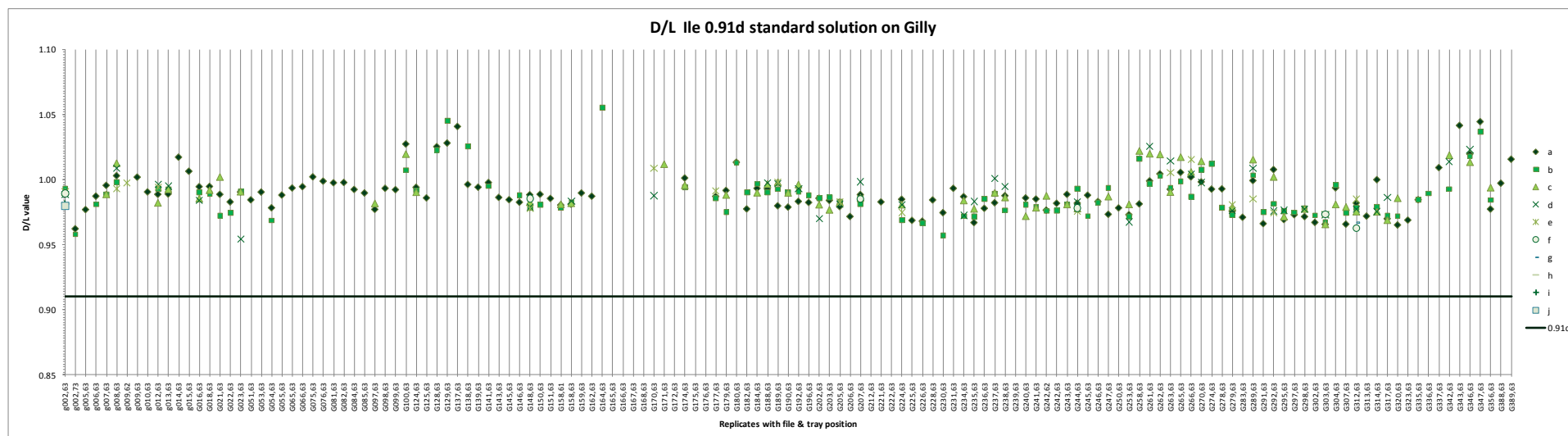
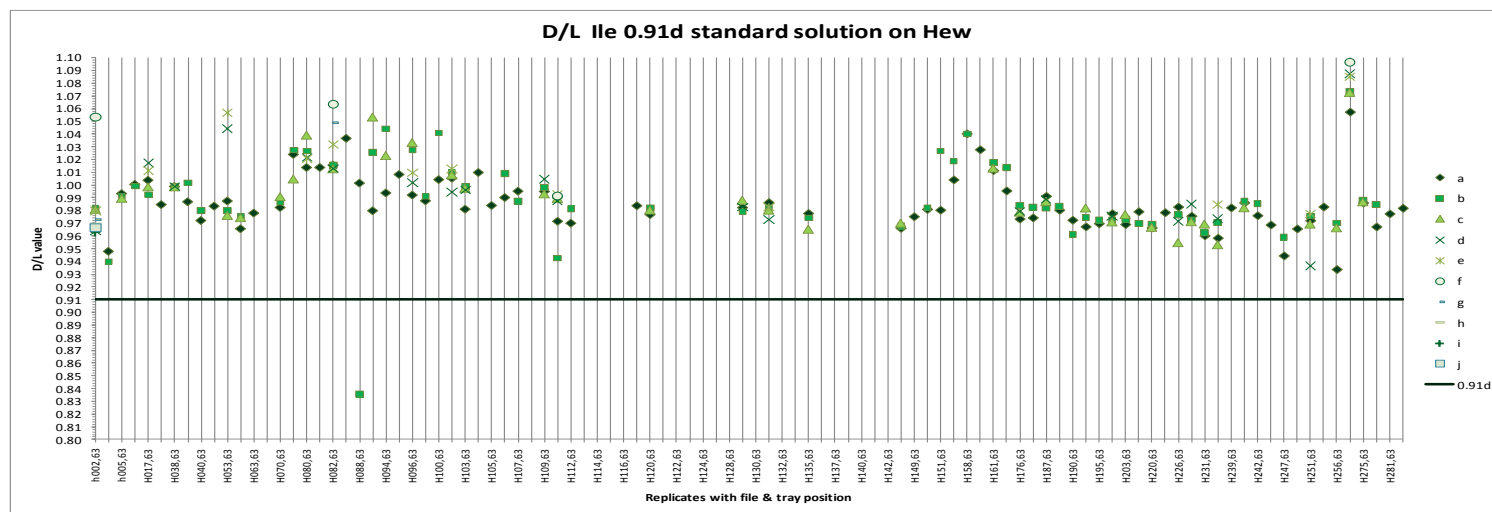


Figure 9d(ii): Ile, 0.91d std sol, Hew



10. Leucine

Figure 10a(i): Leu, 0.167d std sol, Gilly

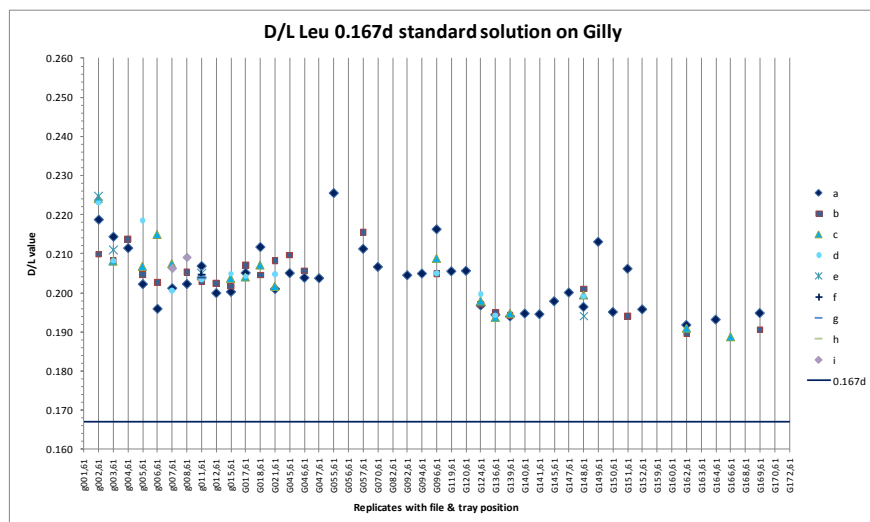
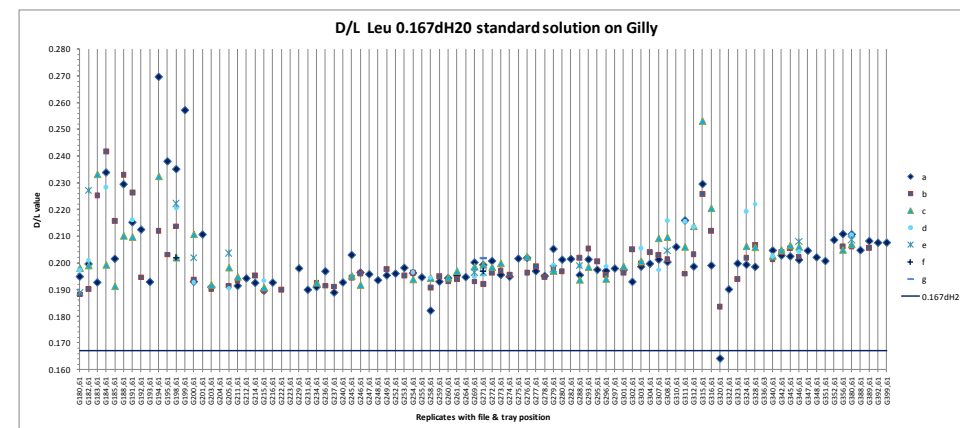
Figure 10b(i): Leu, 0.167dH₂O std sol, Gilly

Figure 10a(ii): Leu, 0.167d std sol, Hew

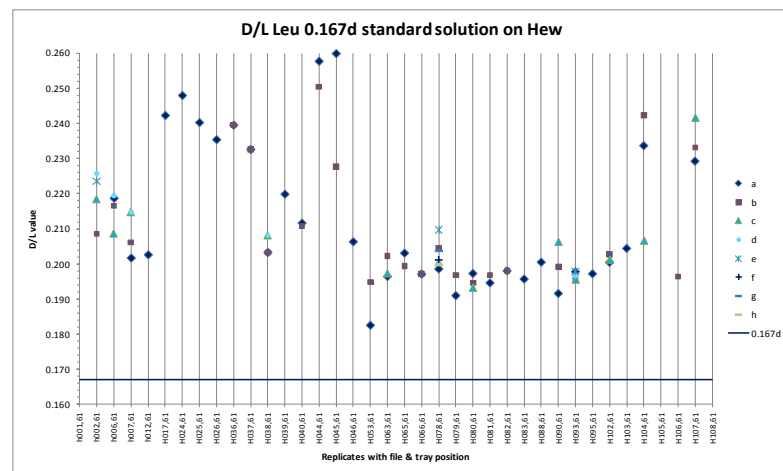
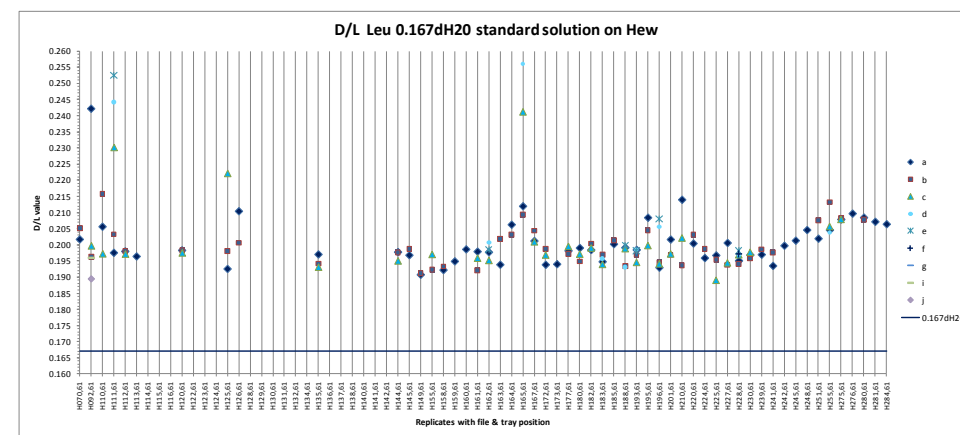
Figure 10b(ii): Leu, 0.167dH₂O std sol, Hew

Figure 10c(i): Leu, 0.5d std sol, Gilly

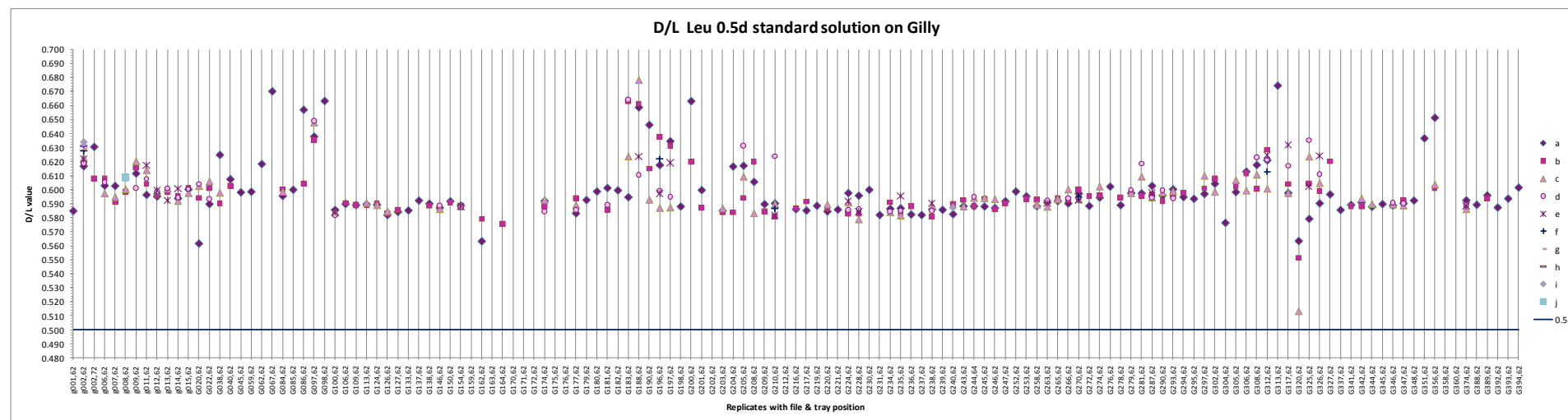


Figure 10c(ii): Leu, 0.5d std sol, Hew

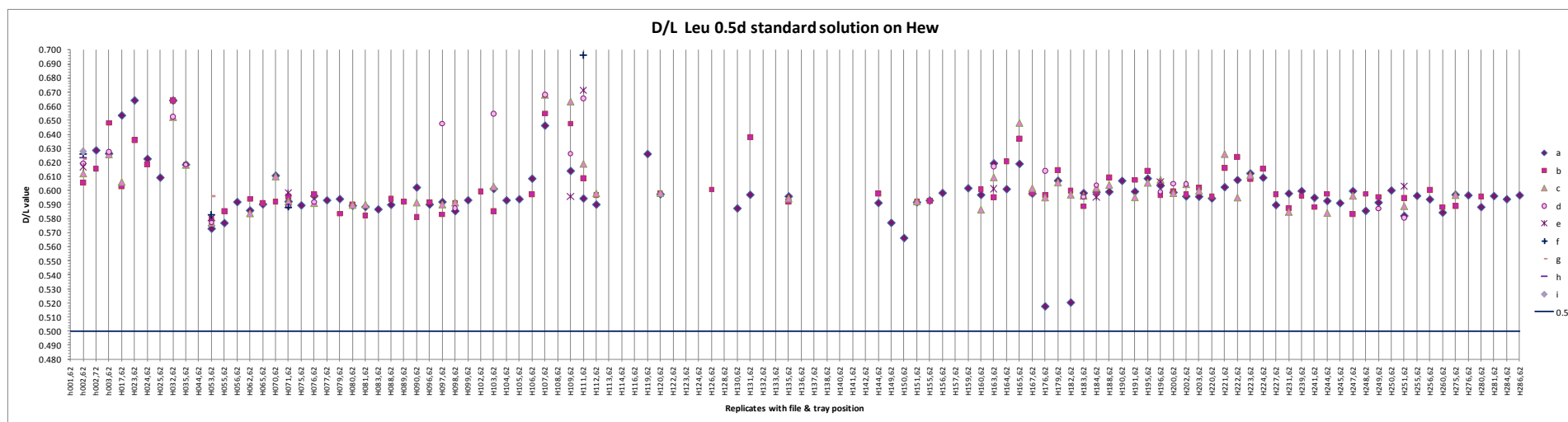


Figure 10d(i): Leu, 0.91d std sol, Gilly

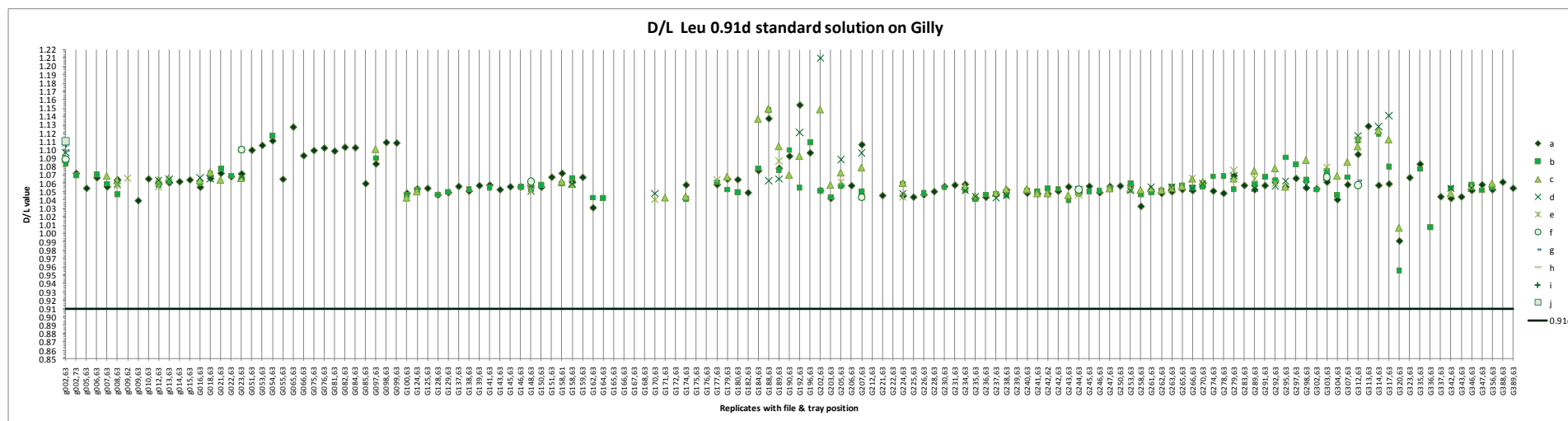


Figure 10d(ii): Leu, 0.91d std sol, Hew

