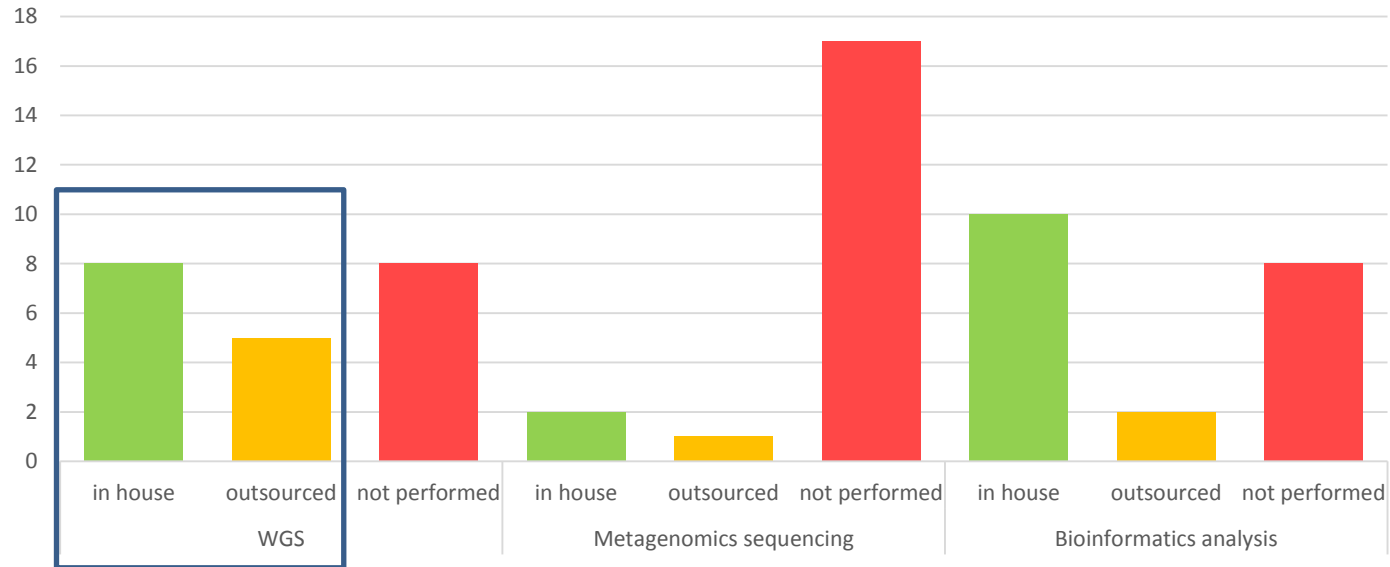


E. coli network: Survey results

35 Labs surveyed

20 replied

NGS activities performed



12/20 labs work with WGS

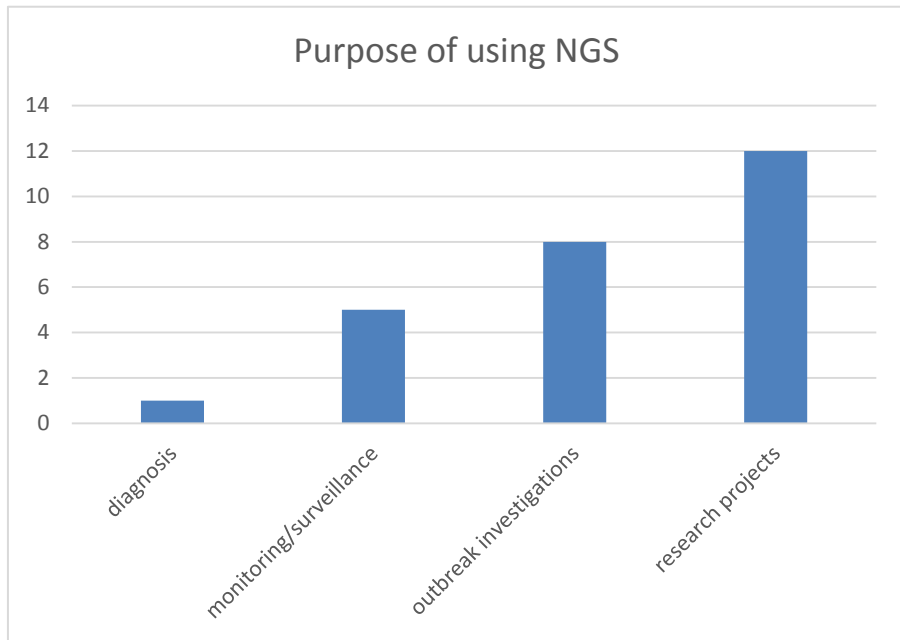
7/20 labs sequence in house

4/20 labs outsource WGS

1/20 labs use both resources

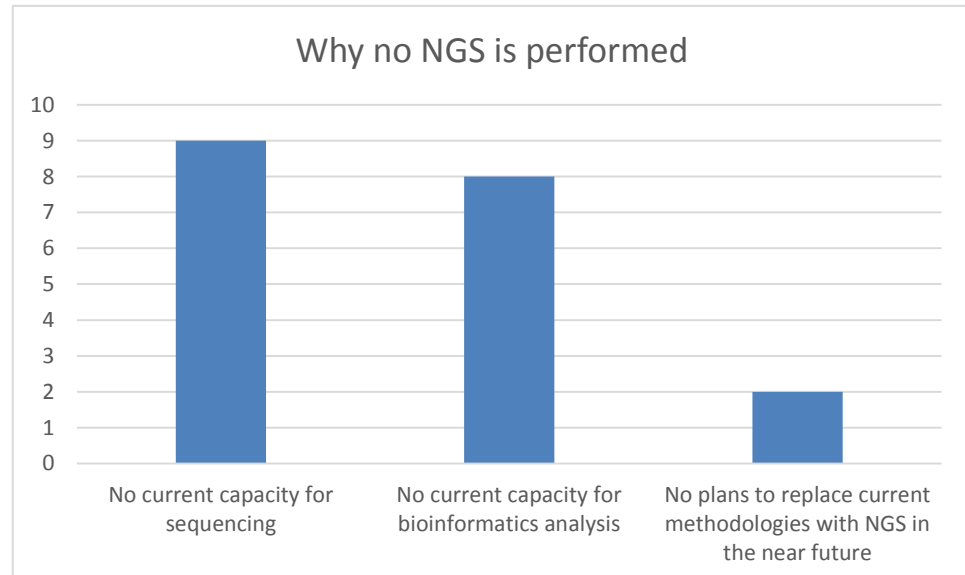
2/13 labs performing WGS

outsource data analysis

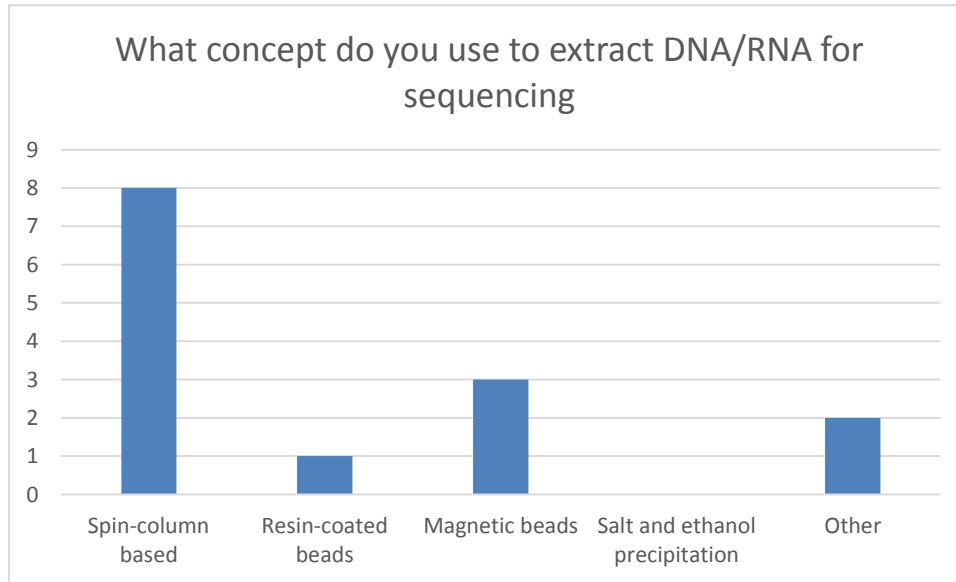


5/13 labs performing WGS use it for monitoring and outbreak investigation

8 declared they don't perform NGS

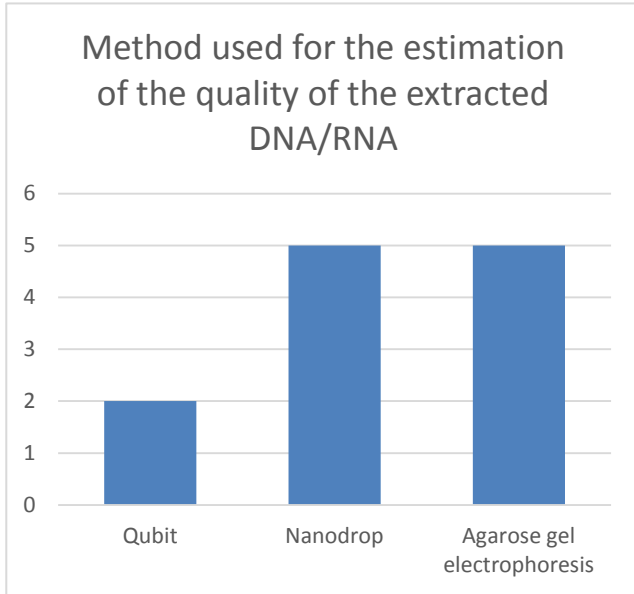


DNA extraction methods



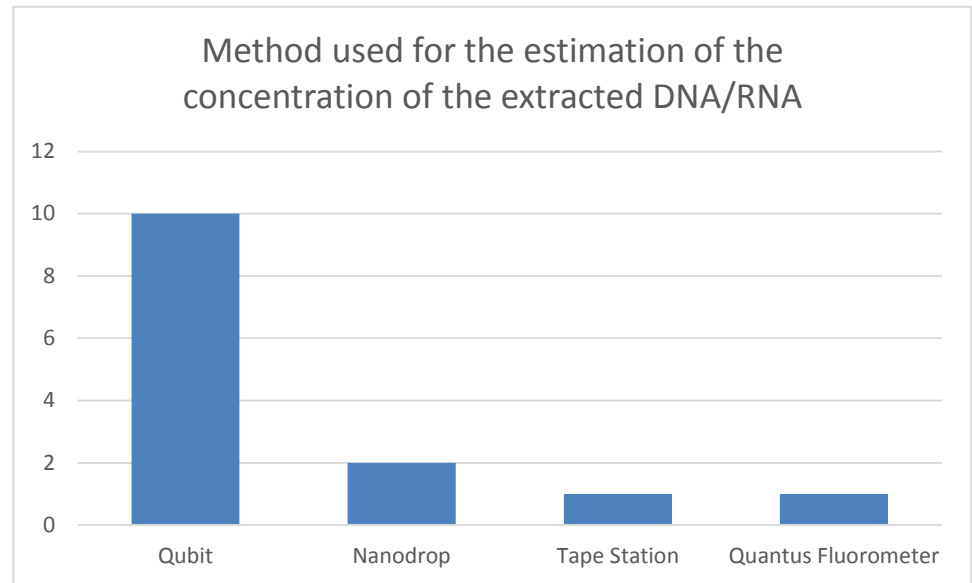
1 lab outsources also DNA extraction

DNA quality and quantity

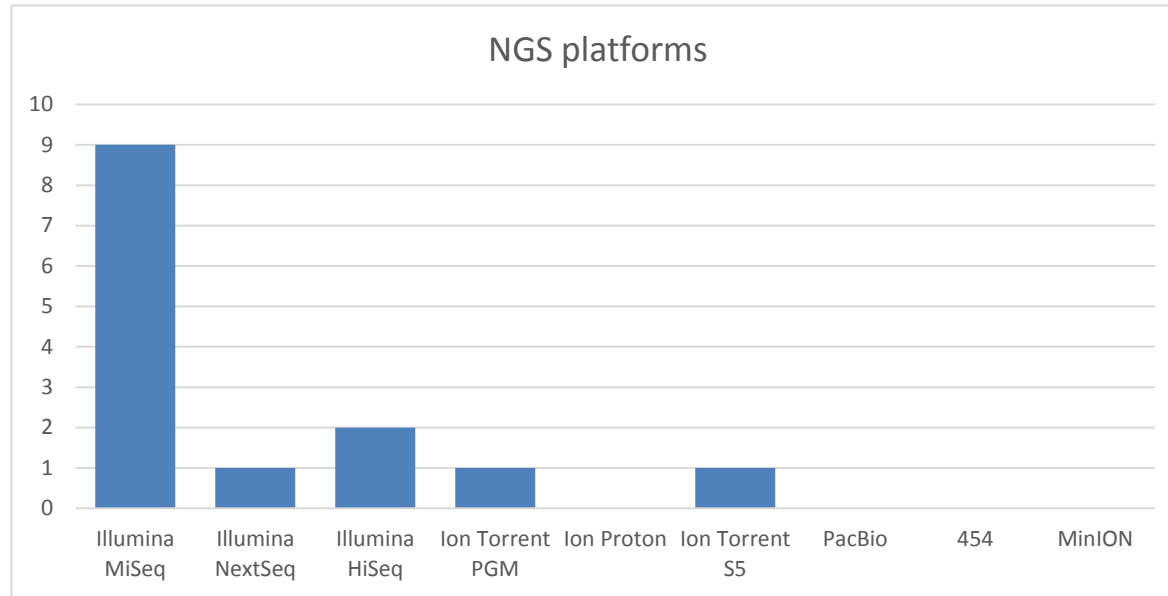


1 lab did not report any DNA quality check method

10 labs use spectrophotometers



NGS platforms used

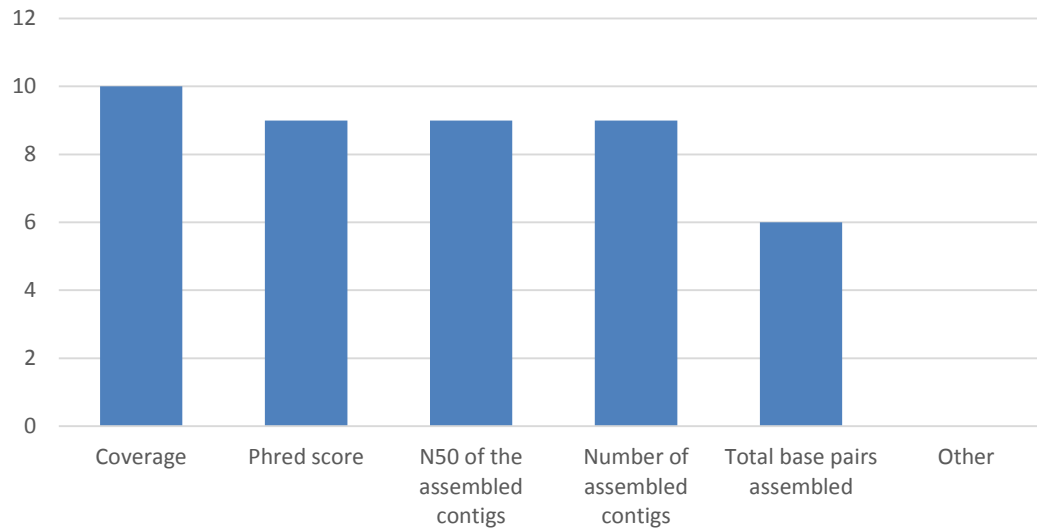


2 labs use Ion Torrent platforms

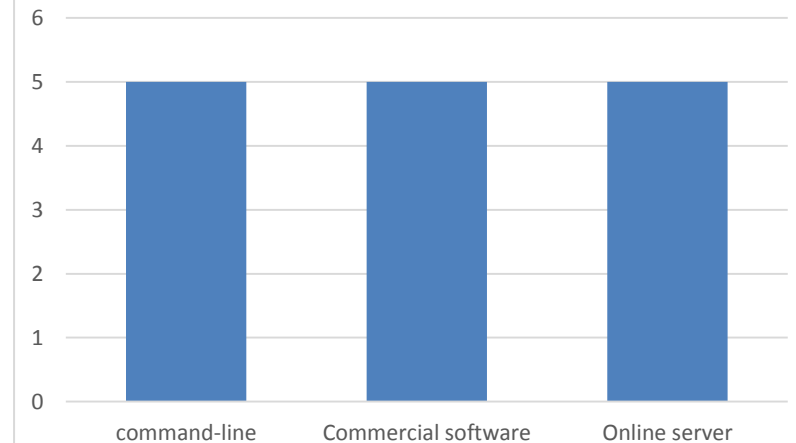
12 labs use Illumina technology

Data analysis/1

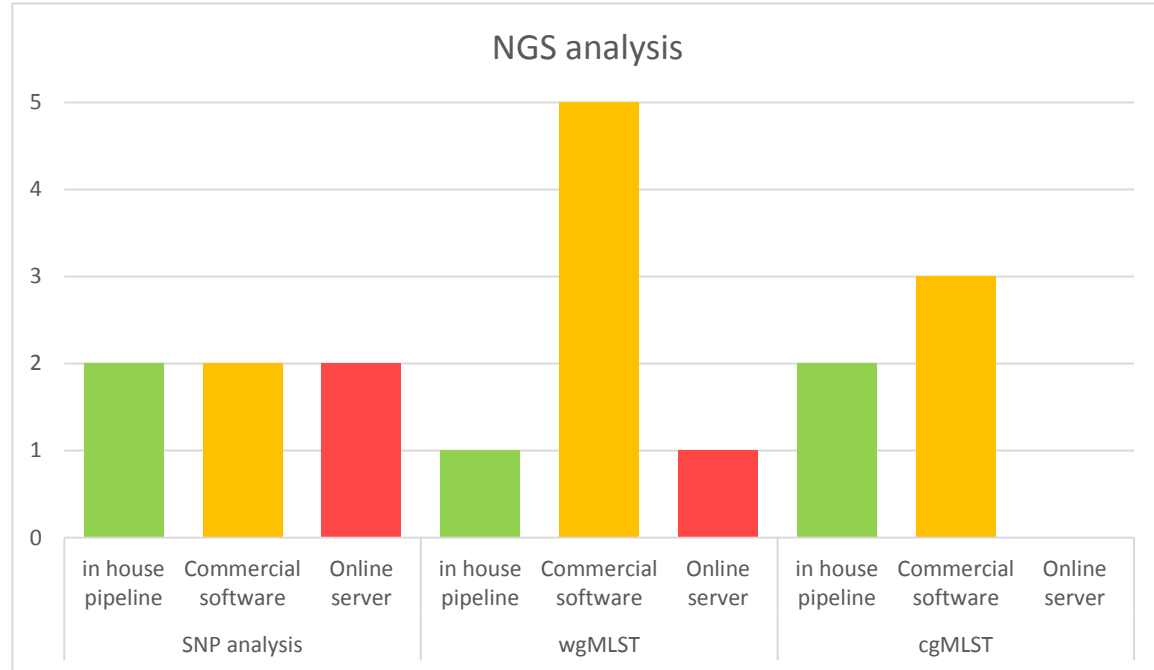
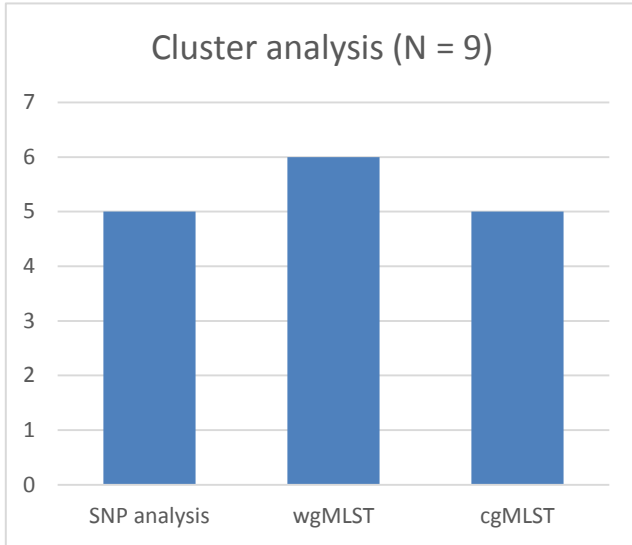
Parameters used in evaluation of sequence data



NGS data analysis approach



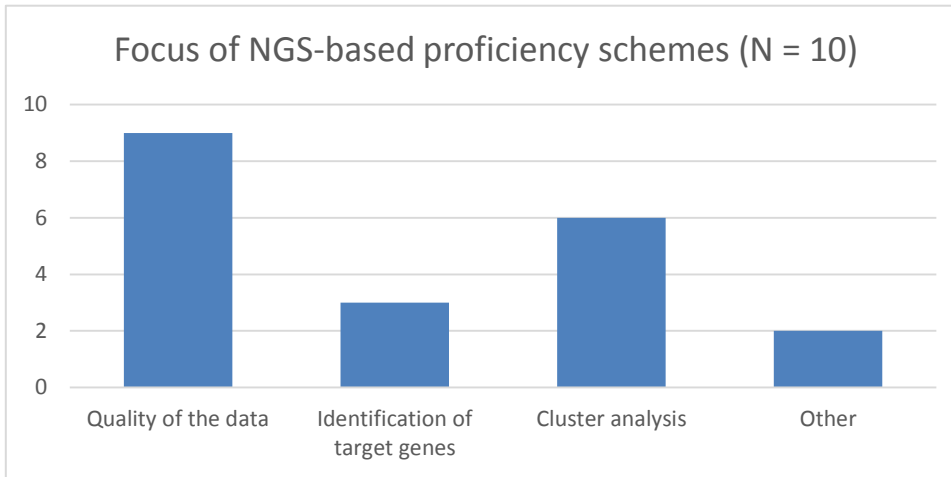
Data analysis/2



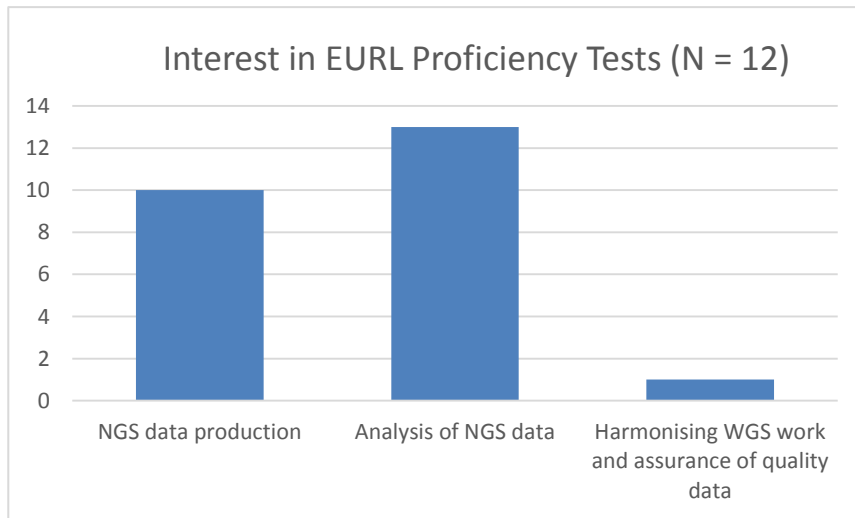
Lack of harmonization in the tools used for data analysis

Two different commercial softwares mentioned for wg/cgMLST: Seqsphere and Applied Maths

Proficiency tests



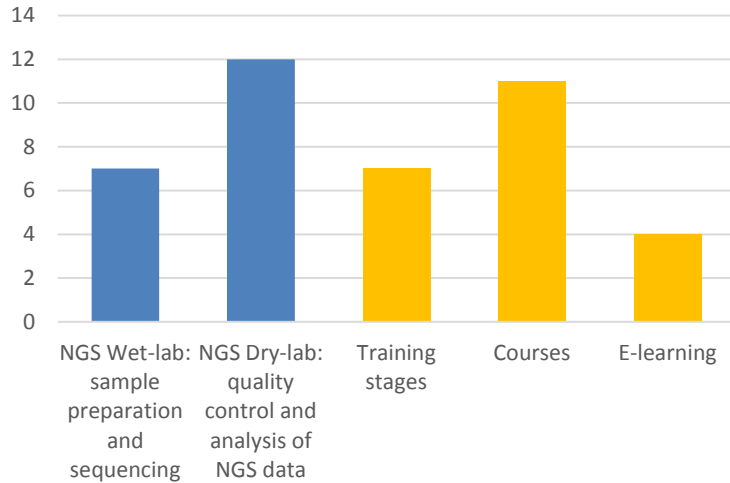
6 labs reported participation in PTs including for cluster analysis



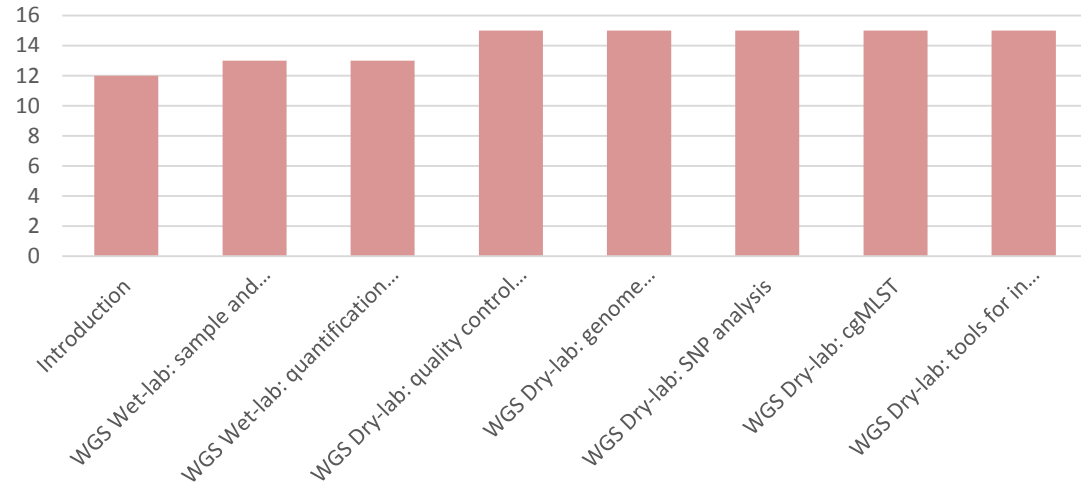
1 lab stressed the importance of PTs in the harmonization

Trainings

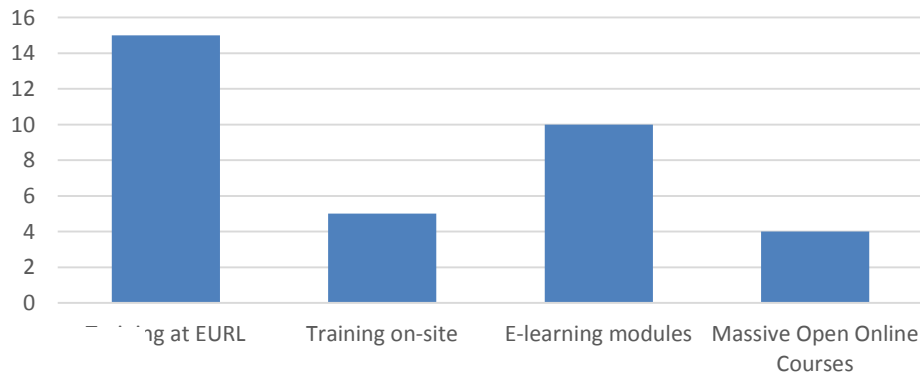
NGS training received (N = 12)



Interest in training on NGS organized by the EURL (N = 15)

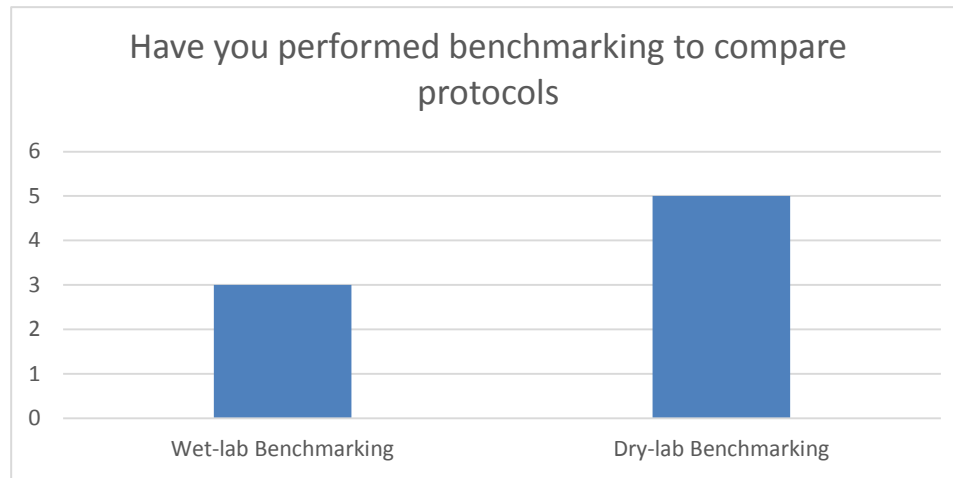


Preferred training method



Many labs have already received training but all still feel the need of training for all the steps of WGS, possibly at EURL

Benchmarking



Some benchmarking data should already be available