

WORKSHOP 2

Mixture interpretation and the use of the probabilistic genotyping software EuroForMix and DNASTatistX

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October 8, 15, 22 and 29, 2024. 16h-19h (CET)



Detailed program

Time (CET)	Week 1 October 8 '24	Time (CET)	Week 2 October 15 '24	Time (CET)	Week 3 October 22 '24	Time (CET)	Week 4 October 29 '24
16h	Welcome & introduction to the interpretation of DNA mixtures (Peter)	16h	Model validation failures & trouble shooting, incl. DNASTatistX <u>exercise</u> (Corina)	16h	Overview of various packages and functionalities (Corina)	16h	Discuss homework exercise, incl. poll questions (Corina)
	Likelihood ratio calculations using EuroForMix/ DNASTatistX (Corina)		<u>Exercise</u> : Application to a different kit and the use of different settings: DNASTatistX. <i>Use the data supplied or your own data.</i> (Corina)		<u>Exercise</u> : Use of PCR replicates (Corina)		Validation and expected trends (Corina)
~17h	Break		Break		Break		Break
	EuroForMix/ DNASTatistX theory trouble shooting (Corina)		<u>Exercise</u> : Application to a different kit and the use of different settings: EuroForMix. <i>Use the data supplied or your own data.</i> (Peter/ Øyvind)		CaseSolver (Øyvind)		Multiple persons of interest and possible relatedness. Incl. <u>exercise</u> using EFMex (Peter)
	EuroForMix introduction & basic <u>exercise</u> in parallel (Øyvind)						
~18h	Break		Break Incl. possibility to ask questions on the exercise		Break		Break
	DNASTatistX introduction and basic <u>exercise</u> in parallel (Corina)		Statement writing & evaluation of evidence (Peter)		<u>Exercise</u> : Use of the stutter models (Corina) <i>May switch with EFMrep</i>		<u>Exercise</u> : Run to run variation? (Corina)
			<u>Exercise</u> : Effect of conditioning (Corina)		Validation and expected trends (Corina)		Quiz on expected trends
	Poll questions. Wrap up and evaluation Explanation of homework: Prepare own data for next week		Quiz on theory week 1&2 (Corina) Homework: Send questions/ topics to address during week 3 or 4		Wrap up and evaluation Explanation of homework: Exercise (Corina)		Wrap up and evaluation
19h	End of session		End of session		End of session		End of workshop