

Hands-on analysis of DArTseq data for linkage mapping

23-27 July 2018, Bioscience Center, IITA

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Course website: https://github.com/bredeson/HandsOnDArT

Program

Day 1: Monday, 23 July		
08:45 – 09:00	Arrival and Registration	
09:00 – 09:15	Welcome address	Dr. Michael Abberton/
		Dr. Robert Asiedu
09:15 – 09:40	Introductions and course overview	
09:40 - 11:00	GBS/DArTseq overview;	
	AWS server and UNIX I	
11:00 – 11:30	Coffee/Tea break	
11:30 - 13:00	UNIX II	
13:00 – 14:00	Lunch	
14:00 – 15:30	HTS/DArTseq file formats I	
15:30 – 17:00	Office hours (optional)	
Day 2: Tuesday,	, 24 July	
08:45 – 09:00	Arrival	
09:00 - 11:00	Review; HTS/DArTseq file formats II	
11:00 – 11:30	Coffee/Tea break	
11:30 - 13:00	Anchoring genotypes to a genome assembly	
13:00 – 14:00	Lunch	
14:00 – 15:30	Marker filtering	
15:30 – 17:00	Office hours (optional)	





Day 3: Wednesday, 25 July		
08:45 - 09:00	Arrival	
09:00 - 11:00	Sample filtering	
11:00 – 11:30	Coffee/Tea break	
11:30 - 13:00	Imputation	
13:00 – 14:00	Lunch	
14:00 – 15:30	Practical	
15:30 – 17:00	Office hours (optional)	
Day 4: Thursday	y, 26 July	
08:45 – 09:00	Arrival	
09:00 - 11:00	Introduction to R programming I	
11:00 – 11:30	Coffee/Tea break	
11:30 – 13:00	Introduction to R programming II	
13:00 – 14:00	Lunch	
14:00 – 15:30	Linkage mapping with R/OneMap I	
15:30 – 17:00	Office hours (optional)	
Day 5: Friday, 2		
08:45 – 09:00	Arrival	
09:00 – 10:45	Linkage mapping with R/OneMap II	
10:45 – 11:00	Group photo	
11:00 – 11:30	Coffee/Tea break	
11:30– 13:00	Linkage mapping with R/OneMap III	
13:00 – 14:00	Lunch	
14:00 – 15:30	Linkage map consistency checking	
15:30 – 16:00	Wrap up	