

Analysis	Methods	Canary female	Canary male			Zebra finch male		Major findings	
			N	LD samples	SD samples	SD+T samples	N		samples
Genome	M1, M2-M9	1						1.2 Gbp genome; 1.69 Mbp W chromosome; 18,818 protein coding genes	
RNAseq HVC	M10, M15, M16		9	3x3*			9	3x3*	Species-specific AREs and ERs. Enrichment of genes with ARE and ERE in testosterone-sensitive HVC transcriptomes
RNAseq RA	M10, M15, M16			2x3*				2x3*	
RNAseq ENT	M10, M15, M16			3x3*				3x3*	
RNA-microarray HVC	M11, M15		18	6	6	6			HVC-differential seasonal testosterone-induced genes are related to neural and neuronal plasticity. Validation of the RNAseq expression data.
RNA-microarray RA				6	6	6			
RNA-microarray ENT	M11, M15			6	6	6			
In-situ hybridizations	M12		6	3	3				Validation of area-specific gene expression
Protein HVC	M13-M14		3	1x3*					Correlation between gene expression and protein levels of HVC and RA
Protein ENT	M13-M14			1x3*					

* = 3 biological samples were pooled before analysis