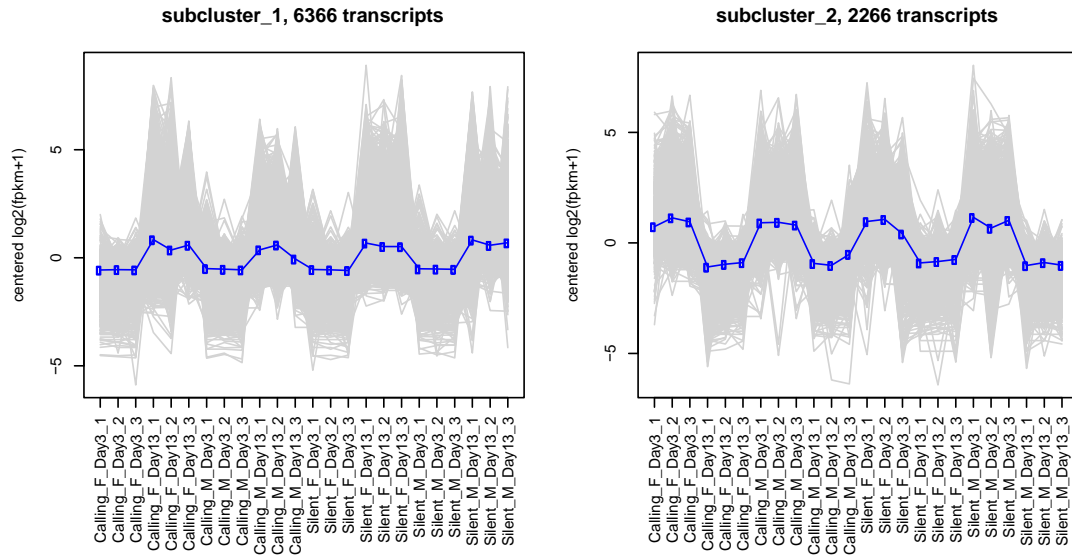
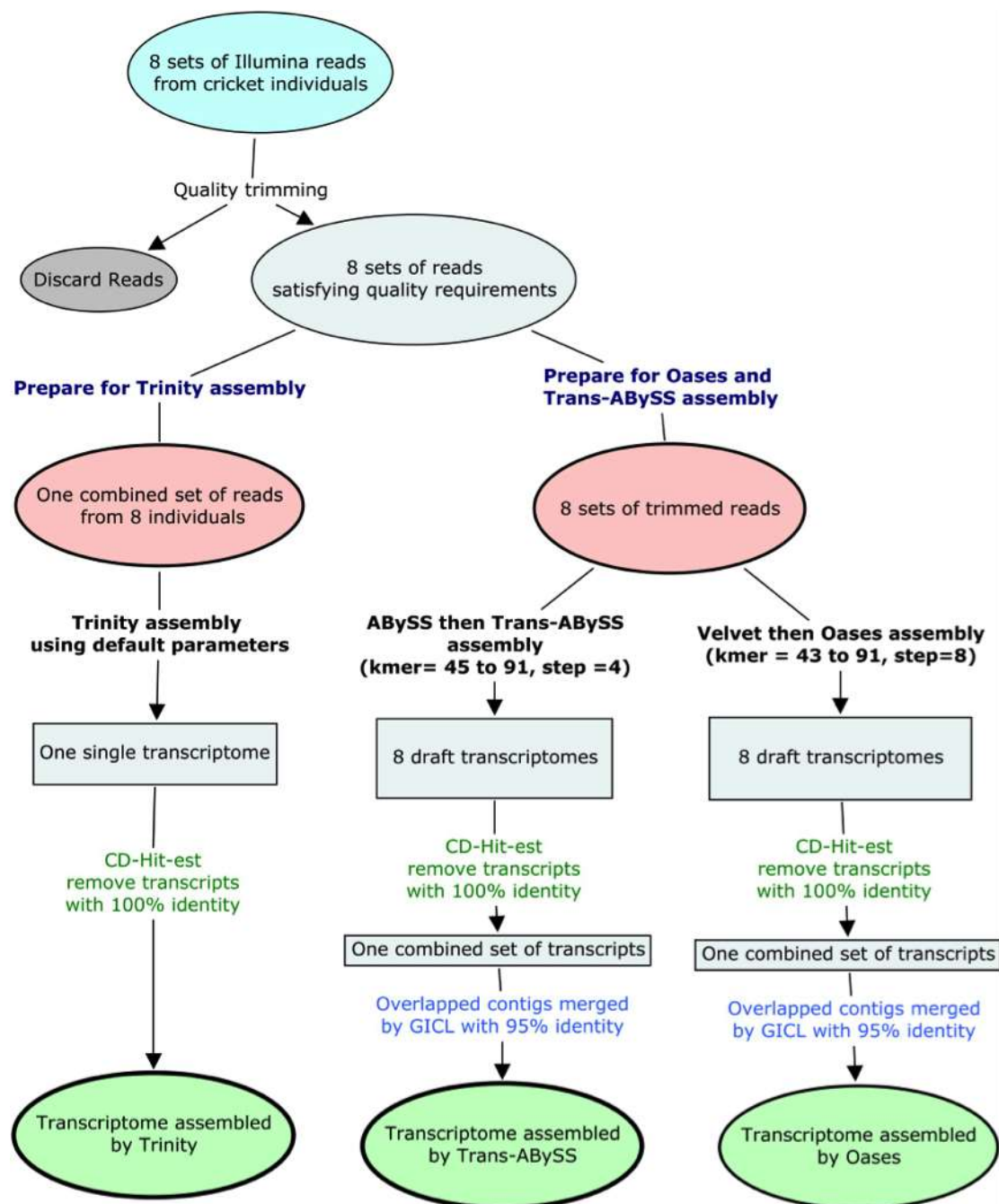


Supplementary Figures

S1 Figure 1. Expression patterns (log₂-transformed, median centered) of the two clusters showing significant differences in gene expression between early (Day 3) and late (Day 13). The blue line indicates the mean-centered expression patterns of each cluster. The grey lines indicate individual expression patterns of each gene.



S2 Figure 2 Flowchart showing the workflow for the transcriptome assembly, evaluation and annotation.



S3 Table 1 The percentage of reads mapped to the three transcriptomes assembled by different assemblers.

Sample	Trans-ABYSS (%)	Oases (%)	Trinity (%)
Calling_F_Day3_1	96.38	96.55	77.83
Calling_F_Day13_1	96.50	97.18	81.00
Calling_M_Day3_1	96.77	97.22	79.73
Calling_M_Day13_1	96.61	97.21	80.65
Silent_F_Day3_1	96.80	97.30	77.44
Silent_F_Day13_1	96.34	96.99	80.54
Silent_M_Day13_1	96.82	97.36	77.56
Silent_M_Day3_1	96.07	96.58	82.60
Calling_F_Day13_2	96.69	97.24	80.90
Calling_F_Day3_2	96.13	96.56	81.75
Calling_M_Day3_2	96.49	97.00	78.61
Calling_M_Day13_2	95.56	96.01	82.11
Silent_F_Day3_2	95.74	96.36	81.27
Silent_F_Day13_2	96.44	96.81	78.95
Silent_M_Day3_2	97.24	97.80	75.06
Silent_M_Day13_2	95.68	96.11	80.40
Calling_F_Day13_3	96.52	97.01	80.06
Calling_F_Day3_3	95.92	96.54	80.42
Calling_M_Day3_3	95.96	96.26	79.47
Calling_M_Day13_3	96.20	96.80	76.81
Silent_F_Day3_3	97.35	97.96	74.70
Silent_F_Day13_3	95.97	96.57	80.61
Silent_M_Day3_3	97.06	97.67	76.27
Silent_M_Day13_3	95.81	96.34	81.76

S4 Table 2 Statistics of the assembled transcriptomes by different assemblers and redundancy removal steps.

		Oases	Trinity	Trans-ABYSS
Original Assembly	Total # of contigs	558,712	87,741	1,473,008
	Total Length	842,108,230 bp	115,392,498 bp	1,051,315,824 bp
	N50	2474 bp	2,745 bp	1636 bp
	Longest contig	19,564 bp	28,092 bp	16,448 bp
After CDHit	Total # of contigs	378,707	87,065	701,150
	Total Length	626,880,880 bp	114,438,635 bp	823,996,757 bp
	N50	2,691 bp	2,749 bp	1,901 bp
	Longest contig	19,564 bp	28,092 bp	16,448 bp
After GICL	Final # of contigs	80,476	N/A	71,816
	Total Length	199,904,425 bp	N/A	108,183,727 bp
	N50	3,974 bp	N/A	2,706 bp
	Longest contig	49,365 bp	N/A	27,662 bp