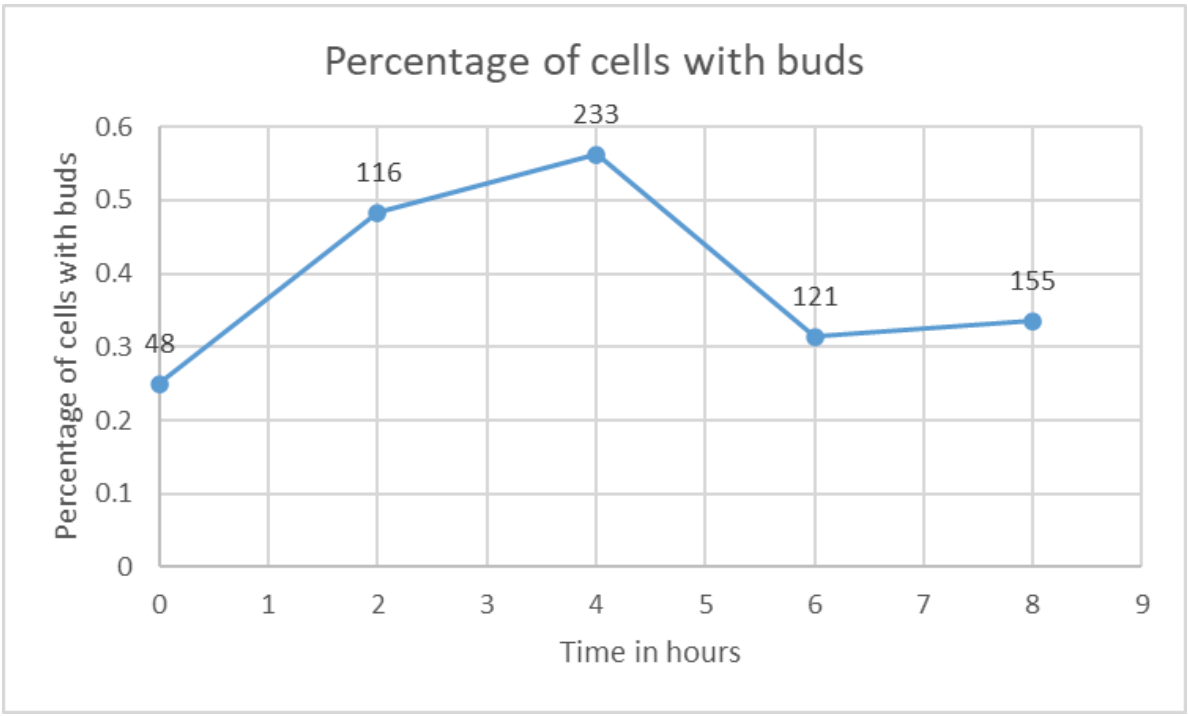
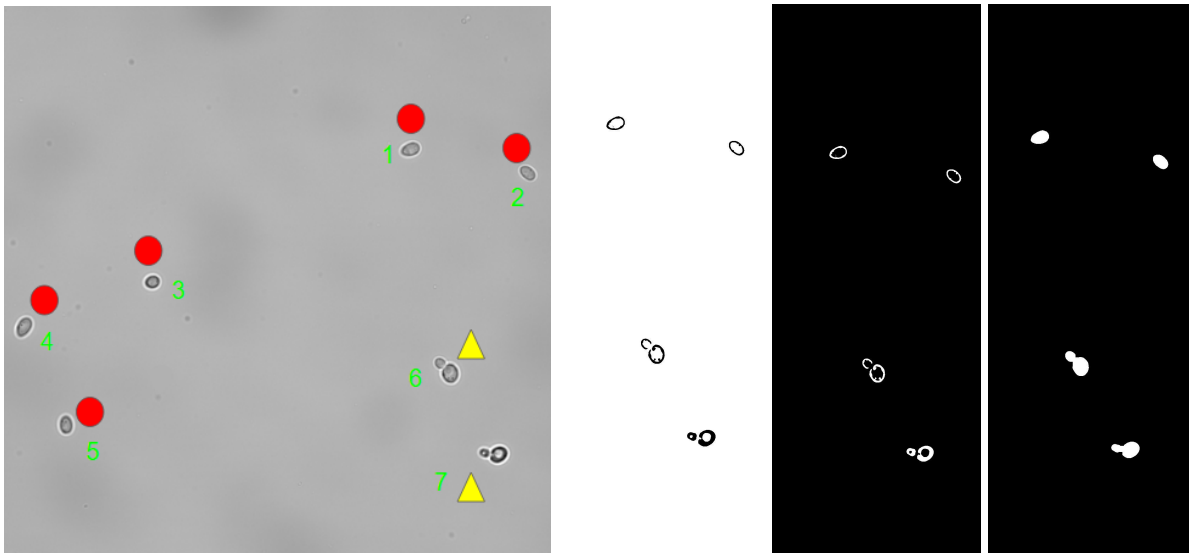


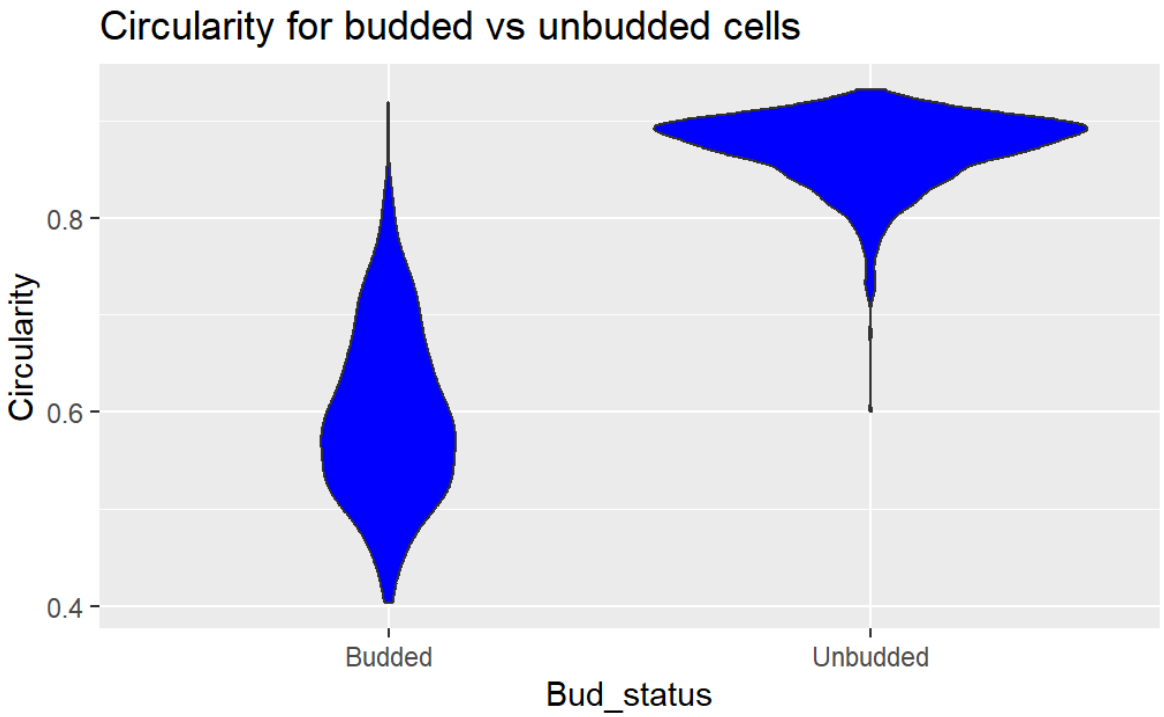
).

b).

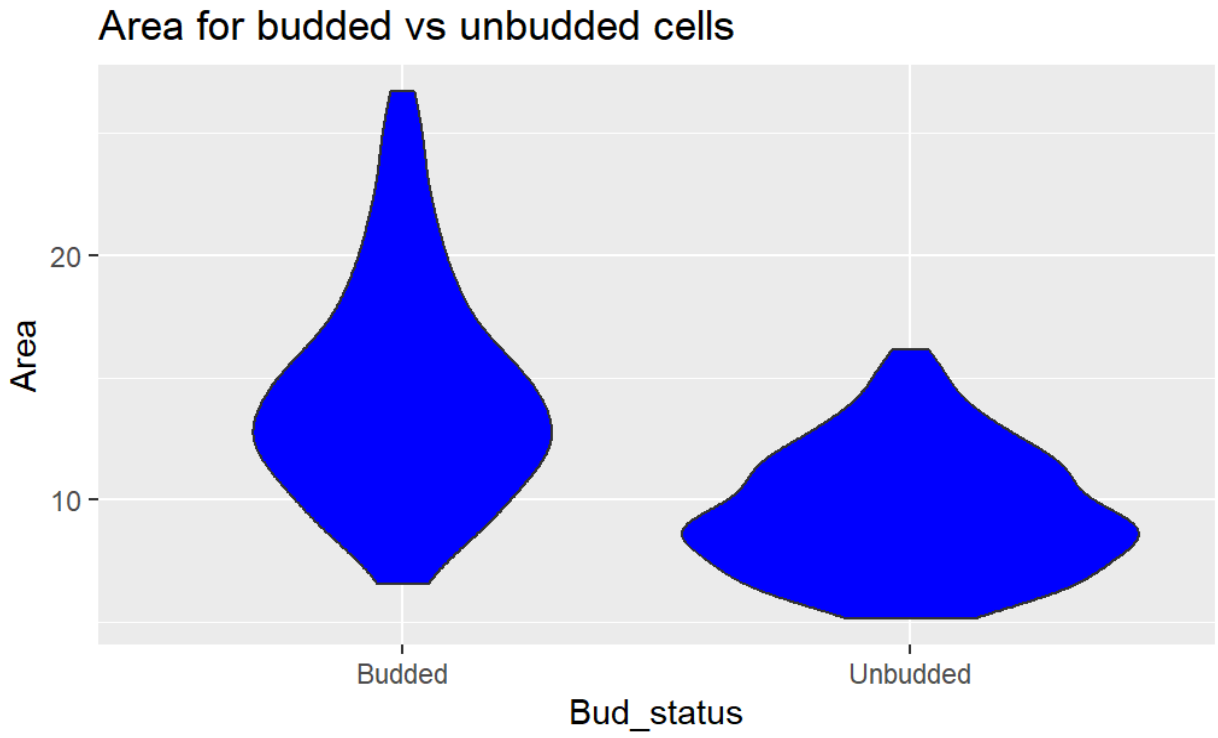


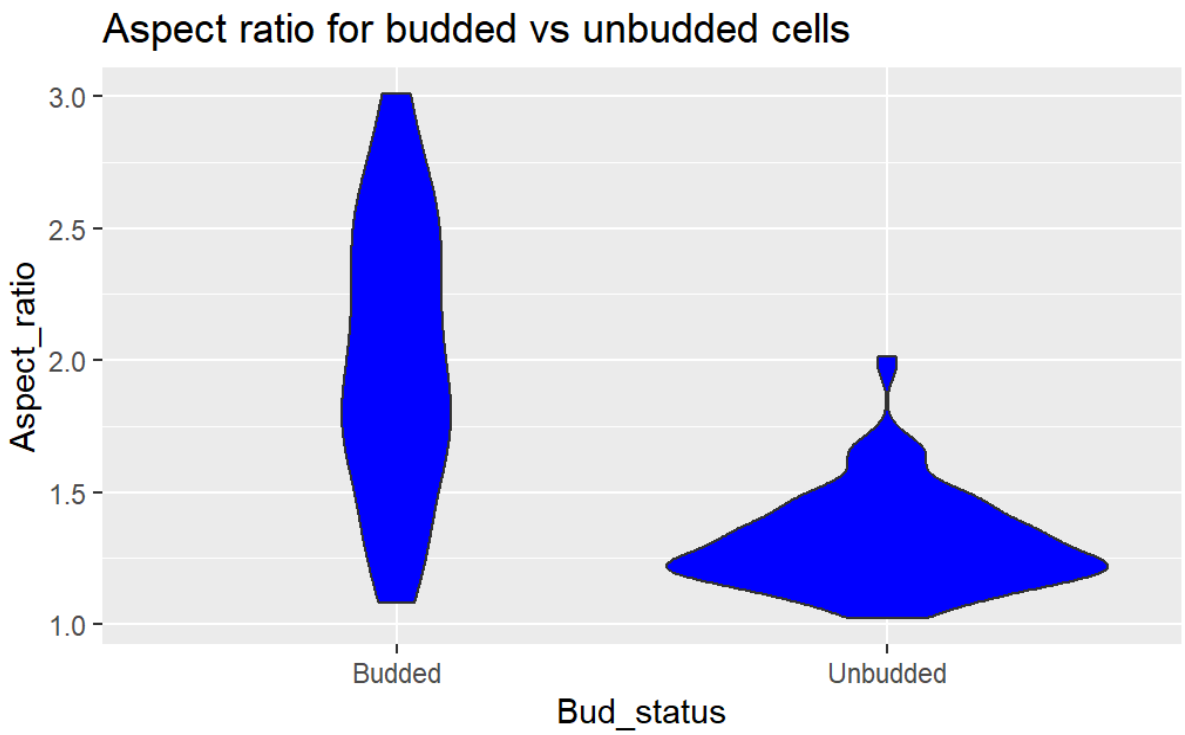
Cell number	Circularity measurement	Area measurement	Aspect ratio	Perimeter
1	0.84	10.152	1.187	10.401
2	0.855	8.657	1.519	11.283
3	0.9	7.753	1.478	11.771
4	0.834	11.255	1.489	12.323
5	0.842	9.286	1.973	13.02

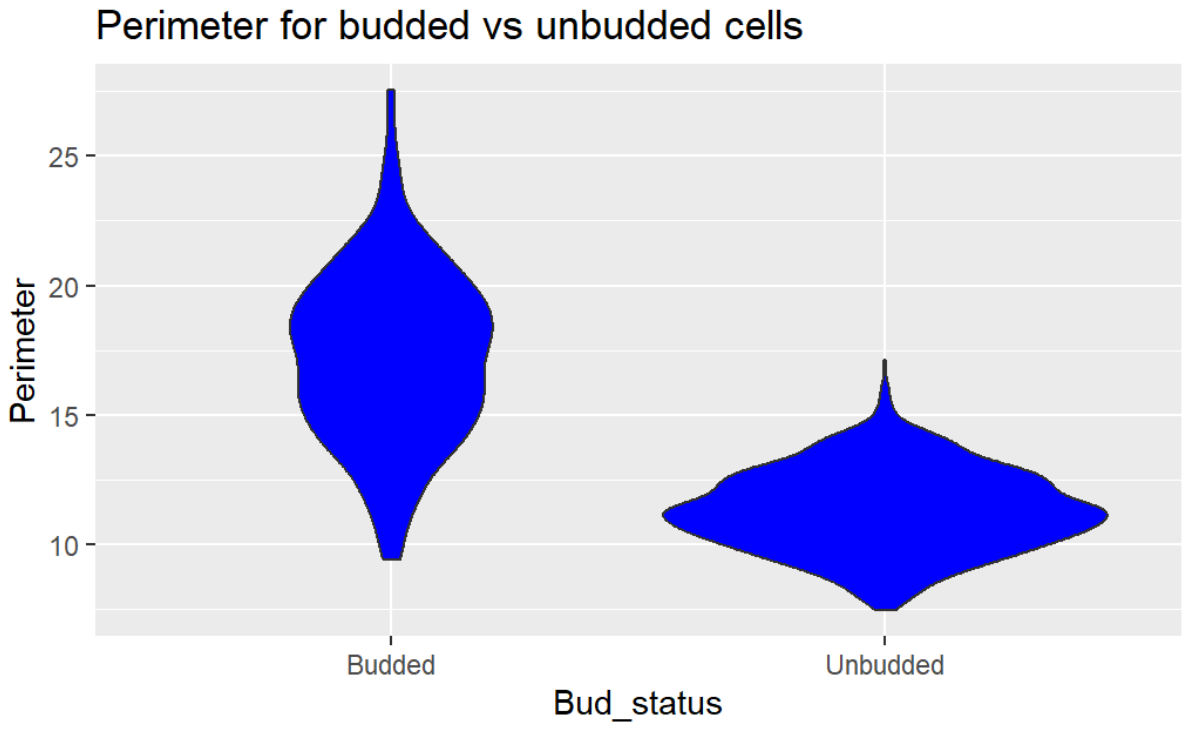
6	0.621	18.083	1.584	19.586
7	0.608	16.262	1.898	19.066



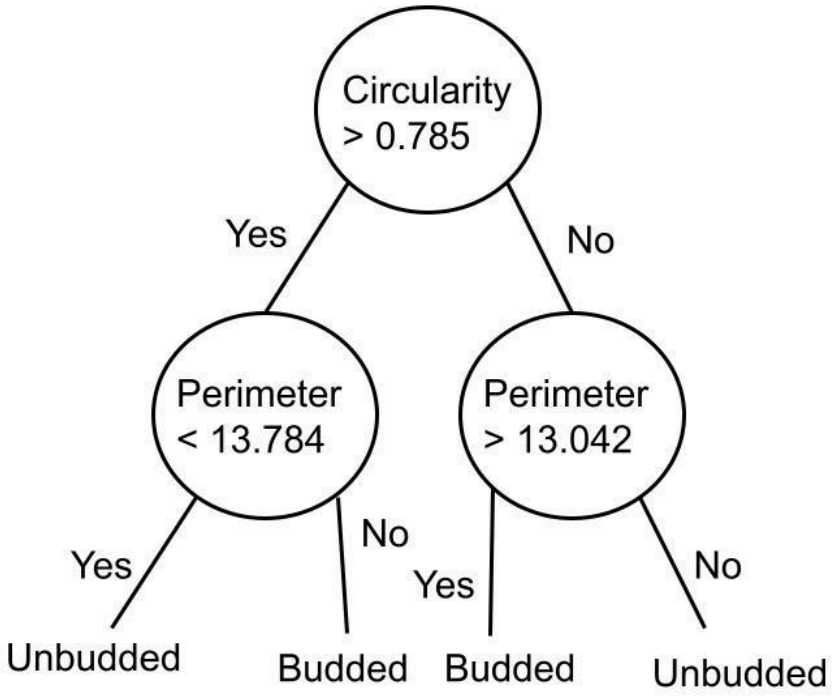
c).




Aspect ratio for budded vs unbudded cells
3.0
2.5
2.0
1.5
1.0
Aspect_ratio
Budded
Unbudded
Bud_status


Perimeter for budded vs unbudded cells
25
20
15
10
Perimeter
Budded
Unbudded
Bud_status

d).



e).

Perimeter	Objects counted as budded cells	Objects counted as unbudded cells
Accurately classified	421	844
Inaccurately classified	100	91
Total	521	935