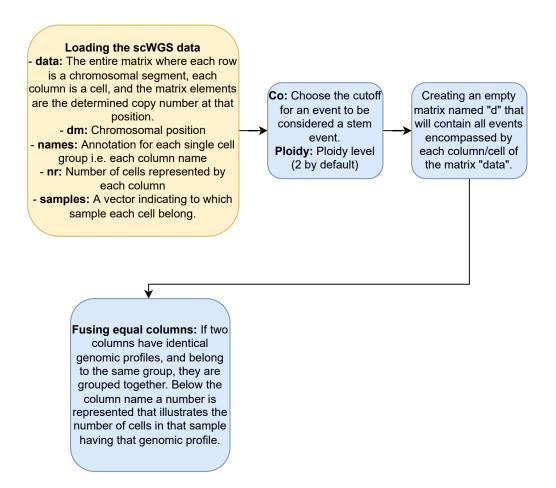
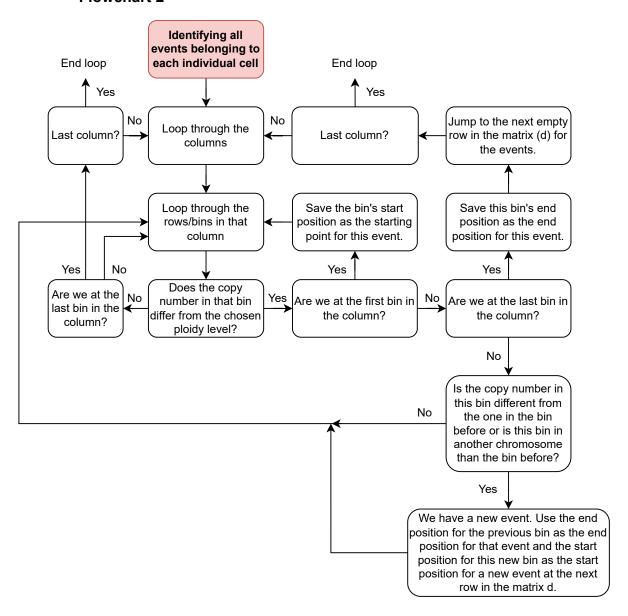
Loading data and identifying events in each cell

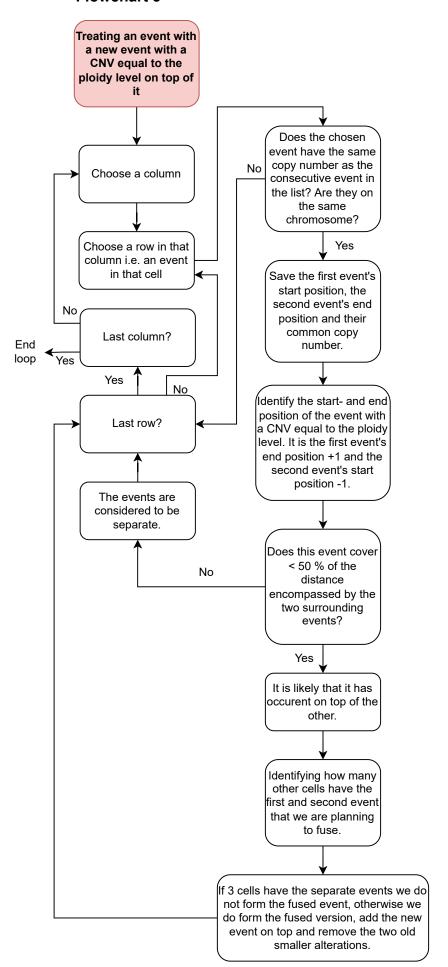




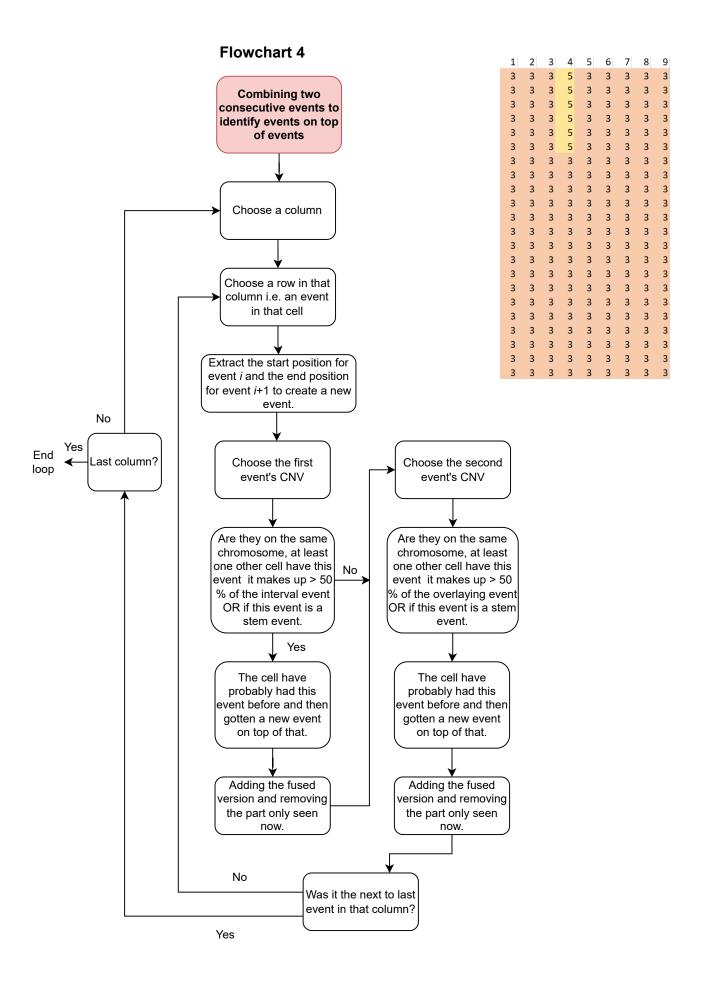
The matrix d

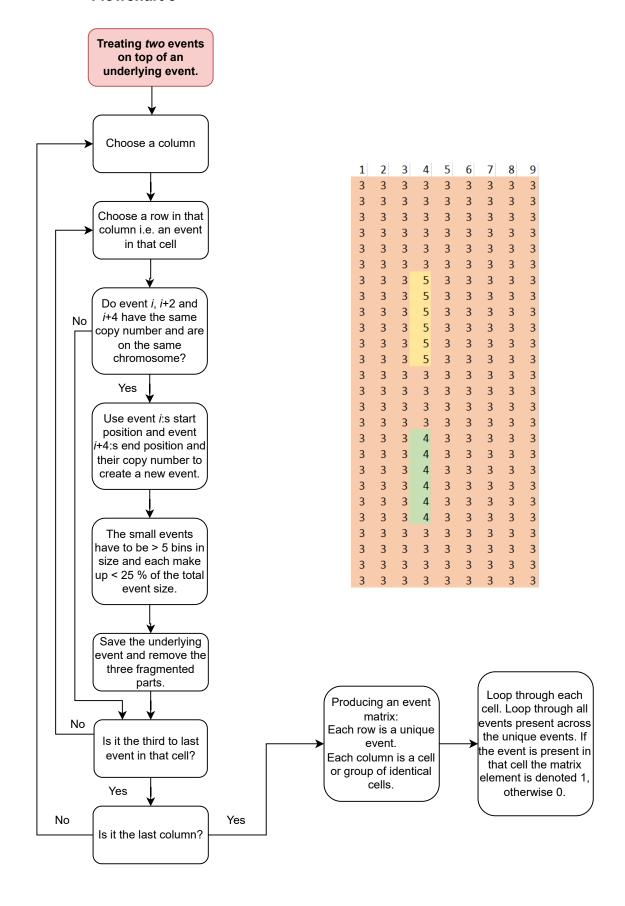
This data is saved for each column in the data set

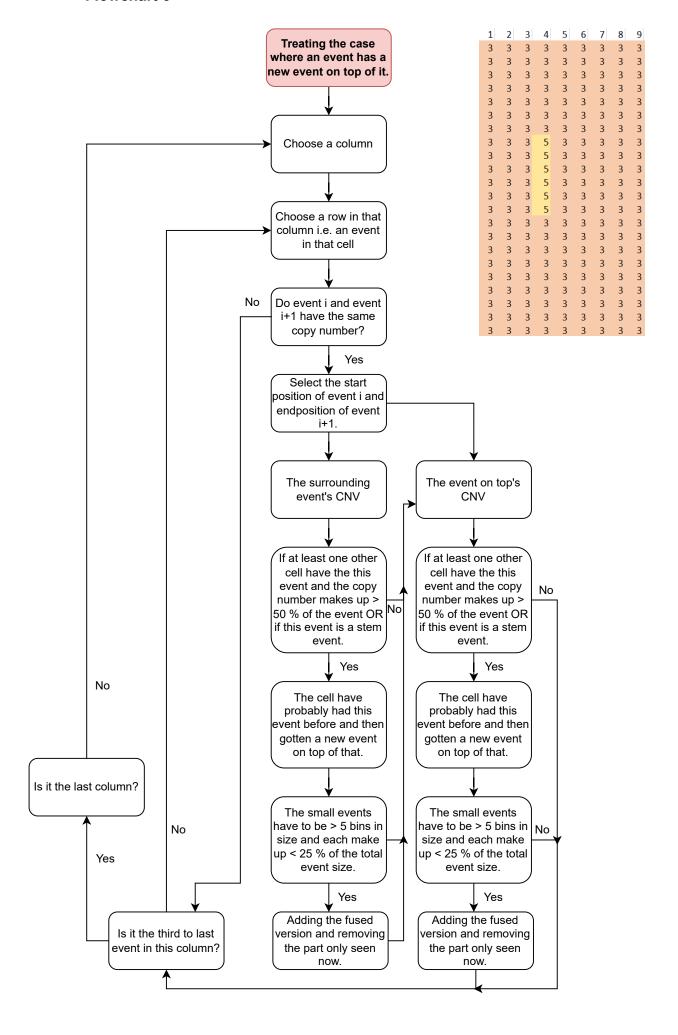
	St	tart	Er	CNV	
	1_1	1	45360443	1_37	3
:	1_86	92037502	94987305	1_88	3
	1_89	94987306	227116642	1_193	4
	1_194	227116643	247800298	1_211	3
	2_212	1	241389829	2_445	4
i	4_642	1	189044386	4_835	3
	5_836	1	180103401	5_1013	4
;	6_1014	1	169362973	6_1180	4
1	7_1181	1	56697246	7_1237	5



1	2	3	4	5	6	7	8	9
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	2	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3







Flowchart 7 Flowchart 8 Stem events and Isochromosome ploidal events on events top of stem events Looping through the Looping through the rows of the event events in the event matrix Is the event at the p-Is the event at the pmatrix. No arm a 1 and is it a arm a 3 and is it a stem event? stem event? What proportion of Yes Yes detected cells have Extract the start and Create an event from the aberration? Create an event from end position, Multiply the row with +1 from where the p +1 from where the p chromosome and a corresponding event ends to the end event ends to the end No copy number of the vector indicating the of the chromosome of the chromosome alteration at p. number of cells that has chromosome that has chromosome represented by each number 1. number 3. column. Sum this vector. Divide with the number of cells in Does this event exist Does this event exist total. No in the event matrix in the event matrix and is present in > 50 and is present in > 50 No Yes % of the cells? % of the cells? Yes Yes No Larger than the event cutoff? Add the event to all Add the event to all cells. cells. Yes Finding the cells that do not have the stem event. If the entire Add the event as a stem segment is only event in all cells. ploidal CNVs we add this as a new event.

OBS! Hur gör jag om vi hade 2:or i det segmentet innan? Då måste vi lägga in en loss.

Framtid: Hade varit kul om man kunde ange om det är 2+0 eller 1+1 i ett segment. Denna typ av information hade kunnat bidra till att ta mer välgrundade beslut rörande ordningen.

