



**Supplementary Figure 1: WE performance of MAD and MrMosaic algorithms:** In this grid of precision-recall graphs, the performance of MAD and MrMosaic is compared at 75x average coverage for a range of sizes, clonalities, and for the three types of mosaic abnormalities. The column header and row header describe the size and derived-clonality of the introduced mosaic event (a deletion of 1.0 clonality indicates hemizyosity). Performance of both algorithms improves with increasing simulated event size (due to more assayed informative points) and at higher clonalities (due to a stronger deflection of non-reference proportion ( $B_{dev}$ ) and coverage ( $C_{dev}$ )). MrMosaic performs favorably compared to MAD in all measured categories. This effect is especially apparent for mosaic gains, which is the type of mosaicism that generates the smallest deviations in  $B_{dev}$ ; unlike MrMosaic, which analyses  $B_{dev}$  and  $C_{dev}$ , MAD analyses  $B_{dev}$  alone.