Electronic Supplementary Material (ESI) for Molecular Omics.
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Supplementary Material

Results of a random stratification

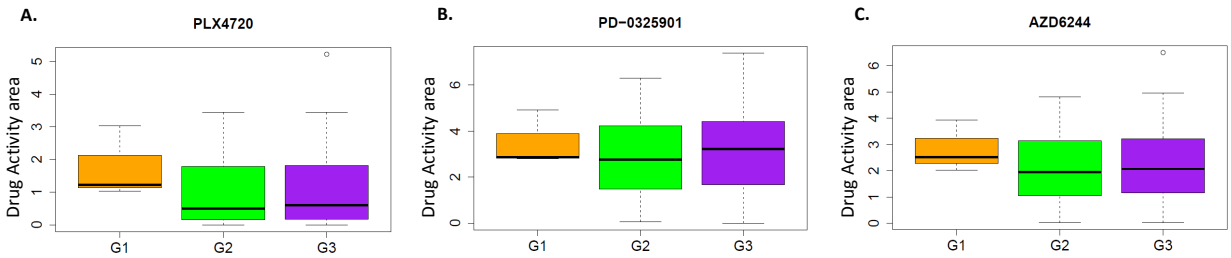

Figure 1: Random assignment of the same 89 mutation genes to 3 phases keeping the same proportion of mutated genes per phase and BRAF mutation only in phase 1, for A. PLX4720, B. PD-0325901 and C. AZD6244. Results no longer show a significant decrease in drug sensitivity between early and late phases.

Results of the ILP stratification

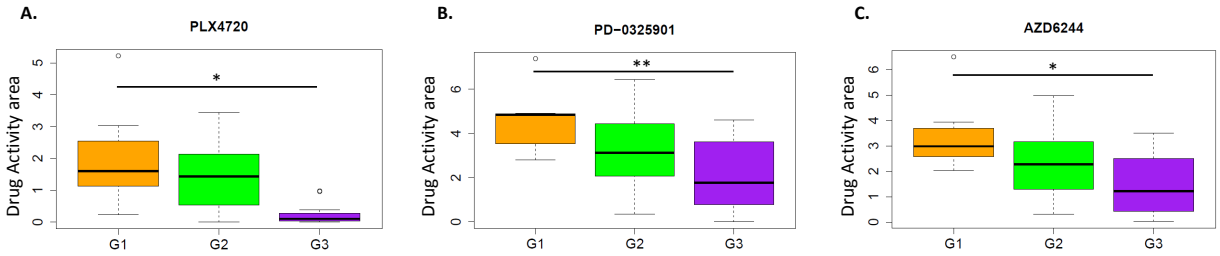

Figure 2: Assignment of the same 89 mutation genes using an ILP approach. Results show a significant decrease in drug sensitivity between phase 1 and phase 3 for all 3 drugs: A. PLX4720 ($p - value = 0.03$), B. PD-0325901 ($p - value = 0.005$) and C. AZD6244 ($p - value = 0.01$).