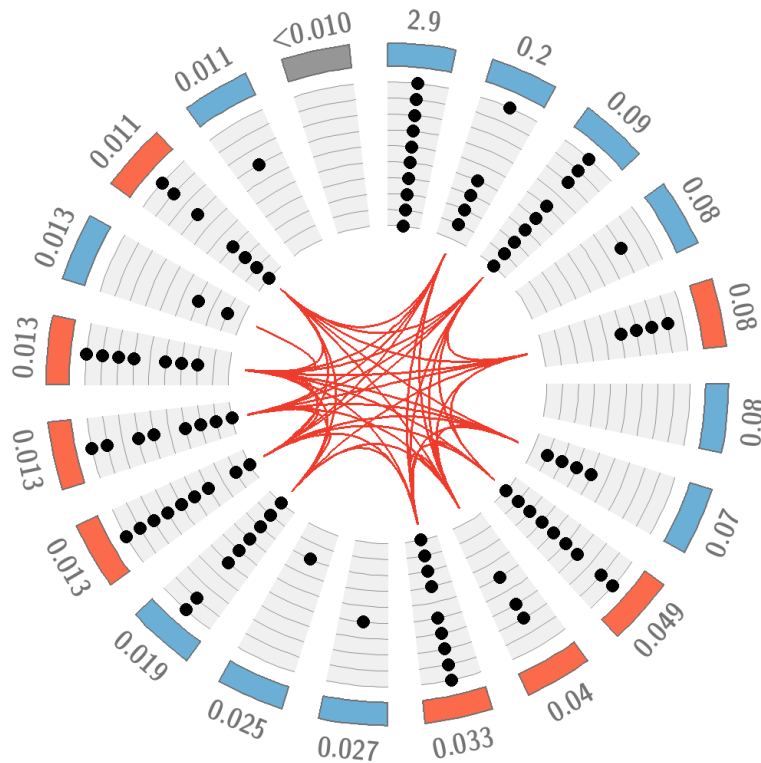




Evolutionary conflict graph of 10 samples in patient Pam03. Treeomics considered 1025 distinct mutation patterns (MPs). Each circular line represents a distinct sample. Inner to outer lines denote: LiM 1, LiM 2, LiM 3, LiM 4, LiM 5, LuM 1, LuM 2, LuM 3, PT 10, PT 11. Marks on these lines denote present variants. Labels denote the MP reliability scores. Only nodes with the highest reliability score are depicted. Blue colored nodes (MPs) are evolutionarily compatible and red colored nodes are evolutionarily incompatible indicated by edges among the nodes. Minimum reliability score value to be considered as a potential subclone: 0.182.

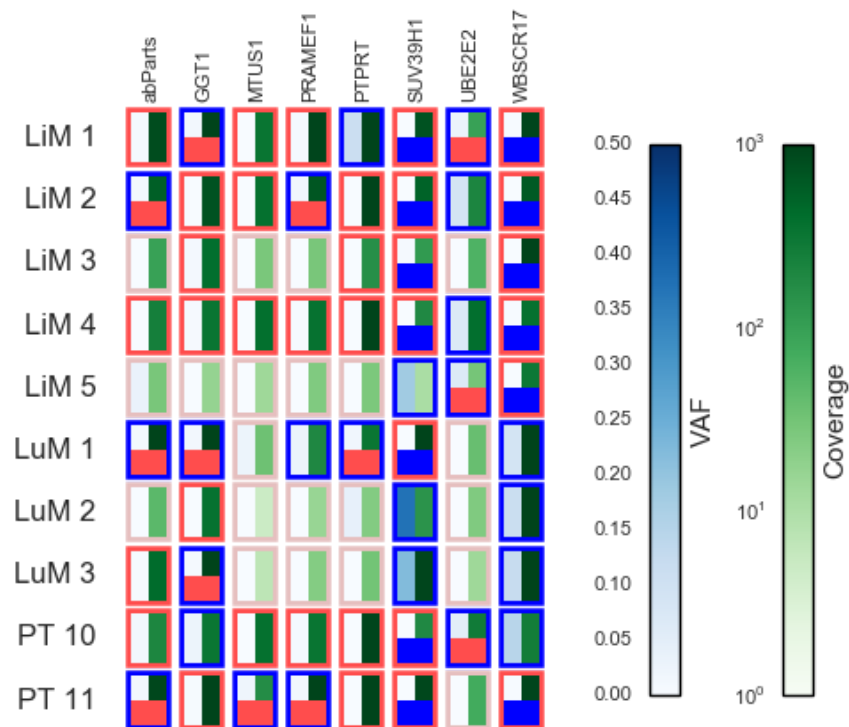
Data artifacts

Putative false-positives:

- *abParts* (chr22q11.22__23243367__T>C) in samples: LiM 2 (reads: 7/555), LuM 1 (reads: 14/1139), PT 11 (reads: 13/934)
- *GGT1* (chr22q11.23__25016911__C>T) in samples: LiM 1 (reads: 17/1131), LuM 1 (reads: 32/2135), LuM 3 (reads: 14/1474)
- *MTUS1* (chr8p22__17581311__C>T) in samples: PT 11 (reads: 4/173)
- *PRAMEF1* (chr1p36.21__12853509__A>C) in samples: LiM 2 (reads: 13/674), PT 11 (reads: 14/997)
- *PTPRT* (chr20q12__40979337__G>T) in samples: LuM 1 (reads: 6/329)
- *UBE2E2* (chr3p24.3__22423529__G>C) in samples: LiM 1 (reads: 3/97), LiM 5 (reads: 2/30), PT 10 (reads: 15/279)

Putative lost variants:

- *SUV39H1* (chrXp11.23__48564780__T>G) in samples: LiM 1 (reads: 0/742), LiM 2 (reads: 0/513), LiM 3 (reads: 1/116), LiM 4 (reads: 0/192), LuM 1 (reads: 0/1268), PT 10 (reads: 0/189), PT 11 (reads: 0/925)
- *WBSCR17* (chr7q11.22__70597468__G>C) in samples: LiM 1 (reads: 2/964), LiM 2 (reads: 0/619), LiM 3 (reads: 1/1321), LiM 4 (reads: 1/374), LiM 5 (reads: 0/300), PT 11 (reads: 2/957)



Mutation patterns of putative artifacts in patient Pam03. Treeomics identified 26 putative artifacts (out of 880 investigated variants; 3.0%). Additionally there were 55 putative false-negatives due to insufficient coverage (unknowns; data not shown). The color of the border of each rectangle representing a variant illustrates the original classification, the color of the left bar within each rectangle illustrates the VAF, and the color of the right bar illustrates the coverage. If a variant was identified as a putative artifact, a smaller rectangle with the changed classification color is added on top of the bars. Blue borders correspond to variants classified as present, red absent variants, and light red unknown mutation status.

Treeomics settings: sequencing error rate e : 0.005, prior absent probability c_0 : 0.5, max absent VAF: 0.05, LOH frequency: 0.0, false discovery rate: 0.05, false-positive rate: 0.005. Absent classification minimum coverage: 100.