

ITCC EDUCATION MEETING AMSTERDAM

Workshop 5 – Simulated Molecular Tumor Board

Appendix 1 – Prioritization Questions

Use these questions to prioritize each actionable event identified in the example case for drug targeting. Draw the appropriate line red in the decision tree for the actionable event.

Event = genetic or expression alteration in a gene including mutation, deletion, focal high-amplitude amplification, rearrangement, protein/expression change

1. Is the event drugable? Yes/No

Yes, if event is drugable

No, but event is tumor-biologically relevant, e.g. TP53 mutation

2. Is the event a genetic change? Yes/No

Yes, if genetic hit: mutation, deletion, rearrangement, focal amplification

No, if protein or expression change, low level/whole chromosome gains

3. Is the event a direct drug target? Yes/Pathway/No

Yes, if the gene is directly targetable

Pathway, if a downstream gene in the pathway is a direct drug target

No, but event induces susceptibility to inhibition of another gene

4. What is the evidence level? Confirmed/Presumed/Possible

Yes, if the event is confirmed to activate a confirmed driver/pathway

Presumed, if the event is likely activating a presumed driver/pathway

Possible, if event is possibly activating a suspected driver/pathway

5. Is the event entity specific? Yes/No

Yes, if the event is specific for the tumor type

No, if the event occurs in another tumor type