Fuzzy Frequent Parent Tree construction

Gene	Items
YAL003W	**{4,1,5}**

① Root — Item=1 {1:1} — Item=4 {1:0.5} — Item=5 {1:0.6}

Gene	Items
YAL003W	**{2, 4}**

② Root — Item=1 {1:1} — Item=4 {1:0.5} — Item=5 {1:0.6}; Root — Item=2 {2:1} — Item=4 {2:0.2}

Gene	Items
YAL008W	**{6, 1}**

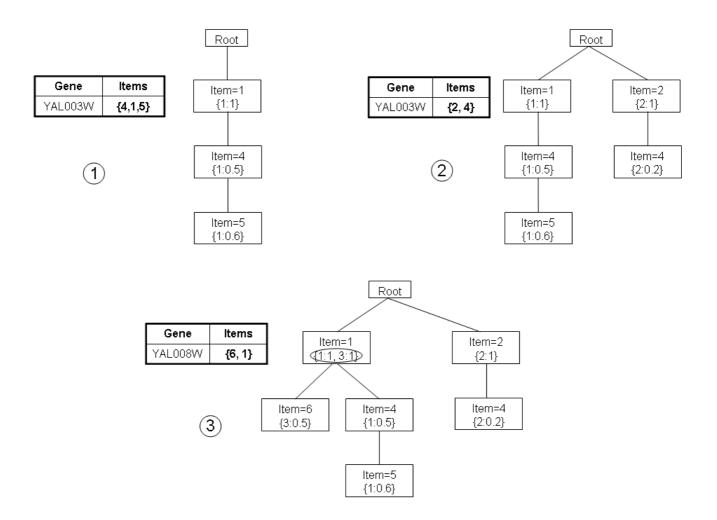③ Root — Item=1 {1:1, 3:1} — Item=6 {3:0.5}, Item=4 {1:0.5} — Item=5 {1:0.6}; Root — Item=2 {2:1} — Item=4 {2:0.2}

This figure shows graphically the procedure to build a Fuzzy FP Tree. The figure shows the fuzzy transaction introduced in each step beside each tree. Lists under the item number in each node indicate the membership degree of the transactions for the corresponding items. For example, transactions 1 and 3 belong with degree 1 to item 1. Each node contains two membership degree lists, only one is included in the figure for clarity since initially both of them contain the same values.