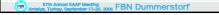


Differences in the estimates of transmission probabilities between standard and 5-generation partial pedigrees		
Family type	Mean absolute differences estimates estimated-true	
11010	0.004	0.001
11000	0.005	0.001
11110	0.011	0.006
10010	0.006	0.001
10000	0.009	0.002
11100	0.056	0.030
10110	0.016	0.009
11111	0.000	0.000
all	0.008	0.003
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Conclusions

- In situations were marker information is missing the proposed algorithm can be used with high effectiveness for the computation of transmission probabilities and thus gametic or genotypic relationship matrices.
- This strategy can deal with pedigrees of arbitrary size and is very efficient under computational aspects.





References

Tuchscher, Mayer and Reinsch: Calculation of QTL-allele transmission probabilities from detailed IBD-states using partial pedigrees for complete and incomplete marker information, in revision.

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