## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1 Description: Overview of patients and samples

File Name: Supplementary Data 2 Description: Exons and functional domains of the TFE3 and fusion partner genes

File Name: Supplementary Data 3 Description: Somatic mutations detected by WES

File Name: Supplementary Data 4 Description: Recurrent copy number alterations identified by FACETS and GISTIC analysis

File Name: Supplementary Data 5 Description: Differentially expressed genes by DESeq2 analysis

File Name: Supplementary Data 6 Description: Non-negative matrix factorization (NMF) clustering by QuSAGE analysis