SUPPORTING INFORMATION:

The Impact of Steam on the Electronic Structure of the Selective Propane Oxidation Catalyst MoVTeNb Oxide (Orthorhombic M1 Phase)

Christian Heine,† Michael Hävecker,†‡ Annette Trunschke,† Robert Schlögl,† and Maik Eichelbaum*,†¶

Department of Inorganic Chemistry, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Faradayweg 4-6, 14195 Berlin, Germany, Solar Energy Research, Helmholtz-Zentrum Berlin / BESSY II, Albert-Einstein-Straße 15, 12489 Berlin, Germany, and BasCat, UniCat BASF JointLab, TU Berlin, Marchstraße 6, 10587 Berlin, Germany

E-mail: me@fhi-berlin.mpg.de
Phone: +49 (0)30 84134566. Fax: +49 (0)30 84134405

*To whom correspondence should be addressed
†Fritz-Haber-Institut
‡Helmholtz-Zentrum Berlin
¶BasCat, UniCat BASF JointLab
Figure S 1: O1s spectra of the MoVTeNbO$_x$ M1 phase at 400°C, 25 Pa in dry (1 Nml/min propane, 2 Nml/min oxygen and 3 Nml/min helium) and wet feed (1 Nml/min propane, 2 Nml/min oxygen and 3 Nml/min steam) and difference between the spectra measured in the two feeds.
Figure S 2: Surface (kinetic energy: 150 eV) and bulk sensitively (kinetic energy: 650 eV) measured Te3d core level spectra of the MoVTeNbO\textsubscript{x} M1 phase at 400\textdegree{}C, 25 Pa in wet feed.