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Rachel Pries* (pries@colostate.edu) and **Douglas Ulmer**. *All BT_1 's occur as a direct factor of the p -torsion group scheme of a Jacobian.* Preliminary report.

An elliptic curve in characteristic p can be ordinary or supersingular. This difference can be measured by its p -torsion group scheme. More generally, the p -torsion group scheme of an abelian variety in characteristic p is a BT_1 group scheme. We prove that every BT_1 group scheme occurs as a direct factor of the p -torsion group scheme of a Jacobian. (Received September 10, 2020)