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**Amanda A Schaeffer Fry\***, [aschae6@msudenver.edu](mailto:aschae6@msudenver.edu), Denver, CO 80217, and **Jay Taylor**. *On a Conjecture Of Navarro and Self-Normalizing Sylow 2-Subgroups in Type A.*

Navarro has conjectured a necessary and sufficient condition for a finite group  $G$  to have a self-normalising Sylow 2-subgroup, which is given in terms of the ordinary irreducible characters of  $G$ . The first-named author has reduced the proof of this conjecture to showing that certain related statements hold when  $G$  is quasisimple. We show that these conditions are satisfied when  $G/Z(G)$  is  $\mathrm{PSL}_n(q)$ ,  $\mathrm{PSU}_n(q)$ , or a simple group of Lie type defined over a finite field of characteristic 2. (Received September 13, 2016)