Corrigendum

On the finite subgroups of $U(3)$ of order smaller than 512
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The statement ‘A finite subgroup of $U(3)$ is not a finite subgroup of $U(1)$ or $U(2)$ if and only if it possesses a faithful three-dimensional irreducible representation’ in section 2.1 is not correct. The author wishes to thank K M Parattu and A Wingerter for pointing this out in their paper Tribimaximal Mixing From Small Groups [arXiv:1012.2842]. In fact, there are many finite subgroups of $U(3)$ which possess a faithful three-dimensional reducible representation but do not possess any faithful one- or two-dimensional representations.

A correction concerning the groups of type $T_n$ is also required in footnote 5 (section 2.4.1), ‘The allowed values for $n$ in $T_n$ are the primes of the form $3^k + 1$, $k \in \mathbb{N}$’ should be replaced by ‘The allowed values for $n$ in $T_n$ are products of powers of primes of the form $3^k + 1$, $k \in \mathbb{N}$’.

In table 4 some groups of type $T_n$ are not named as such, namely

$$[[147, 1]] \cong T_{49}, \quad [[273, 3]] \cong T_{91}, \quad [[273, 4]] \cong T_{91}, \quad [[399, 3]] \cong T_{133}, \quad [[399, 4]] \cong T_{133}.$$  

The author thanks Roman Zwicky for bringing this to his attention. Please note that $T_n$ is in general not unique, i.e. there can be non-isomorphic groups $T_n$ with the same $n$ (as for example the two non-isomorphic groups $T_{91}$ listed above).

A further correction within the references is required. The authors of reference [10] are C Luhn, S Nasri and P Ramond. The author would like to apologise for this error.