

There is an error at the bottom of page 246: The function $R_{(1,\varepsilon)}$ is equal to $\eta q^2 \mathcal{Y}_{(G_2(a_1),\varepsilon)}$ where $\eta = \pm 1$ is equal to $q \pmod{3}$. Consequently table 14.2 is wrong.

The values of unipotent characters of G_2 on unipotent classes ($p \neq 2, 3$):

	1	A_1	\tilde{A}_1	$G_2(a_1)_3$	$G_2(a_1)_2$	$G_2(a_1)$	G_2
1	1	1	1	1	1	1	1
St	q^6	.	.	.	.	.	.
σ	$\frac{q}{3}\Phi_3\Phi_6$	$-\frac{q}{3}\Phi_1\Phi_2$	q	$\frac{q}{3}(\eta q + 5)$	$-\frac{q}{3}(\eta q - 1)$	$\frac{q}{3}(\eta q - 1)$	.
τ	$\frac{q}{3}\Phi_3\Phi_6$	$\frac{q}{3}(2q^2 + 1)$	.	$\frac{q}{3}(\eta q - 1)$	$-\frac{q}{3}(\eta q - 1)$	$\frac{q}{3}(\eta q + 2)$	.
ρ	$\frac{q}{6}\Phi_2^2\Phi_3$	$\frac{q}{6}(2q + 1)\Phi_2$	$\frac{q}{2}\Phi_2$	$\frac{q}{6}(\eta q + 5)$	$-\frac{q}{6}(\eta q - 1)$	$\frac{q}{6}(\eta q - 1)$	.
ρ'	$\frac{q}{2}\Phi_2^2\Phi_6$	$\frac{q}{2}\Phi_2$	$\frac{q}{2}\Phi_2$	$-\frac{q}{2}(\eta q - 1)$	$\frac{q}{2}(\eta q + 1)$	$-\frac{q}{2}(\eta q - 1)$	.
$\gamma[-1]$	$\frac{q}{2}\Phi_1^2\Phi_3$	$-\frac{q}{2}\Phi_1$	$-\frac{q}{2}\Phi_1$	$-\frac{q}{2}(\eta q - 1)$	$\frac{q}{2}(\eta q + 1)$	$-\frac{q}{2}(\eta q - 1)$	.
$\gamma[1]$	$\frac{q}{6}q\Phi_1^2\Phi_6$	$\frac{q}{6}(2q - 1)\Phi_1$	$-\frac{q}{2}\Phi_1$	$\frac{q}{6}(\eta q + 5)$	$-\frac{q}{6}(\eta q - 1)$	$\frac{q}{6}(\eta q - 1)$	.
$\gamma[\zeta_3]$	$\frac{q}{3}\Phi_1^2\Phi_2^2$	$-\frac{q}{3}\Phi_1\Phi_2$	.	$\frac{q}{3}(\eta q - 1)$	$-\frac{q}{3}(\eta q - 1)$	$\frac{q}{3}(\eta q + 2)$	.
$\gamma[\zeta_3^2]$	$\frac{q}{3}\Phi_1^2\Phi_2^2$	$-\frac{q}{3}\Phi_1\Phi_2$	.	$\frac{q}{3}(\eta q - 1)$	$-\frac{q}{3}(\eta q - 1)$	$\frac{q}{3}(\eta q + 2)$	.