The group G is isomorphic to the group $\mathrm{PSL}(3,2):\mathrm{C2}$.

Ordinary character table of $G \cong \mathrm{PSL}(3,2) : \mathrm{C2}$:

	$1a$	$2a$	$3a$	$4a$	$7a$	$2b$	$6a$	$8a$	$8b$
χ_1	1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	-1	-1	-1	-1
χ_3	6	-2	0	2	-1	0	0	0	0
χ_4	6	2	0	0	-1	0	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$
χ_5	6	2	0	0	-1	0	0	$-E(8)+E(8)^3$	$E(8)-E(8)^3$
χ_6	7	-1	1	-1	0	1	1	-1	-1
χ_7	7	-1	1	-1	0	-1	-1	1	1
χ_8	8	0	-1	0	1	2	-1	0	0
χ_9	8	0	-1	0	1	-2	1	0	0

Trivial source character table of $G \cong \mathrm{PSL}(3,2) : \mathrm{C2}$ at $p = 3$:

Normalisers N_i					N_1					N_2			
p-subgroups of G up to conjugacy in G					P_1					P_2			
Representatives $n_j \in N_i$	$1a$	$2b$	$7a$	$2a$	$8a$	$8b$	$4a$	$1a$	$2c$	$2b$	$2a$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	9	3	2	1	1	1	1	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	9	-3	2	1	-1	-1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	-2	0	0	2	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	2	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	-1	2	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	15	3	1	-1	-1	-1	-1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	15	-3	1	-1	1	1	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	7	-1	0	-1	1	1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	-1	1	1	-1	-1	1	1	1	-1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	7	1	0	-1	-1	-1	-1	1	-1	-1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,6,4)(5,7,8)]) \cong \mathrm{C3}$

$N_1 = Group([(2,4)(3,5)(7,8), (1,2,3)(4,6,7)]) \cong \mathrm{PSL}(3,2) : \mathrm{C2}$
$N_2 = Group([(3,6,4)(5,7,8), (1,2)(4,6)(5,8), (1,2)(3,5)(4,7)(6,8)]) \cong \mathrm{D12}$