The group G is isomorphic to the group labelled by [720, 765] in the Small Groups library. Ordinary character table of $G \cong A6$. C2:

	1a	2a	3a	4a	4b	5a	8a	8b
χ_1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	-1	1	-1	-1
χ_3	9	1	0	1	-1	-1	1	1
χ_4	9	1	0	1	1	-1	-1	-1
χ_5	10	2	1	-2	0	0	0	0
χ_6	10	-2	1	0	0	0	$E(8) + E(8)^{} 3$	$-E(8) - E(8)^3$
χ_7	10	-2	1	0	0	0	$-E(8) - E(8)^{} 3$	$E(8) + E(8)^{} 3$
χ_8	16	0	-2	0	0	1	0	0

Trivial source character table of G \cong A6 . C2 at p = 3

$Normalisers N_i$	N_1							7	$\overline{\mathrm{V}_{2}}$	N_3				
$p-subgroups \ of \ G \ up \ to \ conjugacy \ in \ G$			P_1							P_3				
Representatives $n_i \in N_i$		$\overline{2a}$	$\overline{4a}$	4b	5a	$\frac{1}{8a}$		$\frac{1}{1a}$	$\frac{P_2}{2a}$	1a	$\overline{2a}$	$\frac{1}{4b}$	4b	4a
	$\frac{1a}{2}$			40	$\frac{3a}{2}$	<u> </u>				_		40		$\frac{4a}{}$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8$	27	3	-1	T	2	1	1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8$	27	3	-1	-1	2	-1	-1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8$	36	0	-2	0	1	$E(8) + E(8)^{} 3$	$-E(8) - E(8)^{} 3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	36	0	-2	0	1	$-E(8) - E(8)^{} 3$	$E(8) + E(8)^3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	36	-4	0	0	1	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	9	1	1	1	-1	-1	-1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	9	1	1	-1	-1	1	1	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	12	4	0	0	2	0	0	3	1	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8$	30	-2	-2	0	0	0	0	3	-1	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	10	2	-2	0	0	0	0	1	1	1	1	1	-1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$		2	-2	0	0	0	0	1	1	1	1	-1	1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	1	1	-1	1	-1	-1	1	1	1	1	-1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8$	20	-4	0	0	0	0	0	2	-2	2	-2	0	0	0

 $P_1 = Group([()]) \cong 1$

 $P_2 = Group([(2, 9, 5)(3, 7, 8)(4, 6, 10)]) \cong C3$

 $P_3 = Group([(2,6,7)(3,5,4)(8,9,10),(2,10,3)(4,7,9)(5,6,8)]) \cong C3 \times C3$

 $N_1 = Group([(2,3)(4,6)(5,7)(8,9),(1,2)(3,4,7,9,10,8,6,5)]) \cong A6$. C2

 $N_2 = Group([(2,10,3)(4,7,9)(5,6,8),(3,10)(4,8)(5,9)(6,7),(2,9,5)(3,7,8)(4,6,10)]) \cong (C3 \times C3) : C2$

 $N_3 = Group([(2,6,7)(3,5,4)(8,9,10),(3,9,10,5)(4,6,8,7),(2,10,3)(4,7,9)(5,6,8),(3,10)(4,8)(5,9)(6,7),(3,4,10,8)(5,6,9,7)]) \cong (C3 \times C3) : Q8$