The group G is isomorphic to the group labelled by [72, 22] in the Small Groups library.
Ordinary character table of $G \cong$ (C6 x S3) : C2:

	$1a$	$2a$	$2b$	$3a$	$6a$	$2c$	$4a$	$6b$	$6c$	$3b$	$6d$	$6e$	$6f$	$3c$	$6g$
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	1	−1	1	1	−1	1	−1	−1	1	1	−1	−1	1	1
χ_3	1	1	−1	1	1	1	−1	1	1	1	1	−1	−1	1	1
χ_4	1	1	1	1	1	−1	−1	−1	−1	1	1	1	1	1	1
χ_5	2	2	−2	2	2	0	0	0	0	−1	−1	1	1	−1	−1
χ_6	2	2	2	2	2	0	0	0	0	−1	−1	−1	−1	−1	−1
χ_7	2	−2	0	2	−2	0	0	0	0	2	−2	0	0	2	−2
χ_8	2	2	0	−1	−1	−2	0	1	1	2	2	0	0	−1	−1
χ_9	2	2	0	−1	−1	2	0	−1	−1	2	2	0	0	−1	−1
χ_{10}	2	−2	0	−1	1	0	0	$-E(3)+E(3)^2$	$E(3)-E(3)^2$	2	−2	0	0	−1	1
χ_{11}	2	−2	0	−1	1	0	0	$E(3)-E(3)^2$	$-E(3)+E(3)^2$	2	−2	0	0	−1	1
χ_{12}	2	−2	0	2	−2	0	0	0	0	−1	1	$-E(3)+E(3)^2$	$E(3)-E(3)^2$	−1	1
χ_{13}	2	−2	0	2	−2	0	0	0	0	−1	1	$E(3)-E(3)^2$	$-E(3)+E(3)^2$	−1	1
χ_{14}	4	4	0	−2	−2	0	0	0	0	−2	−2	0	0	1	1
χ_{15}	4	−4	0	−2	2	0	0	0	0	−2	2	0	0	1	−1

Trivial source character table of $G \cong$ (C6 x S3) : C2 at $p = 2$:

Normalisers N_i	N_1				N_2				N_3			N_4			N_5		N_6		N_7	N_8
p-subgroups of G up to conjugacy in G	P_1				P_2				P_3			P_4			P_5		P_6		P_7	P_8
Representatives $n_j \in N_i$	$1a$	$3a$	$3b$	$3c$	$1a$	$3b$	$3a$	$3c$	$1a$	$3b$	$3a$	$1a$	$3b$	$3a$	$1a$	$3a$	$1a$	$3a$	$1a$	$1a$
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+2\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	8	8	−4	−4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	8	−4	8	−4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}$	8	−4	−4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	−2	−2	4	−2	4	−2	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}$	4	−2	−2	1	4	−2	−2	1	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	−2	4	−2	4	4	−2	−2	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	4	4	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	−2	4	−2	4	4	−2	−2	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	4	4	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	−2	4	−2	0	0	0	0	2	$2*E(3)^2$	$2*E(3)$	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	−2	4	−2	0	0	0	0	2	$2*E(3)$	$2*E(3)^2$	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	4	4	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	−2	−2	0	0	0	0	0	0	0	2	$2*E(3)^2$	$2*E(3)$	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	−2	−2	0	0	0	0	0	0	0	2	$2*E(3)$	$2*E(3)^2$	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	2	2	2	2	2	0	0	0	2	2	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	−1	2	−1	2	2	−1	−1	2	−1	−1	0	0	0	2	−1	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	2	2	0	0	0	2	2	2	0	0	2	2	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	−1	−1	2	−1	2	−1	0	0	0	2	−1	−1	0	0	2	−1	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	2	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(7,9)(8,10)]) \cong$ C2
$P_3 = Group([(2,3)(7,8)(9,10)]) \cong$ C2
$P_4 = Group([(5,6)(8,10)]) \cong$ C2
$P_5 = Group([(7,9)(8,10),(2,3)(7,8)(9,10)]) \cong$ C2 x C2
$P_6 = Group([(7,9)(8,10),(5,6)(8,10)]) \cong$ C2 x C2
$P_7 = Group([(7,9)(8,10),(2,3)(5,6)(7,10,9,8)]) \cong$ C4
$P_8 = Group([(7,9)(8,10),(2,3)(7,8)(9,10),(5,6)(8,10)]) \cong$ D8

$N_1 = Group([(5,6)(8,10),(2,3)(7,8)(9,10),(7,9)(8,10),(1,2,3),(4,5,6)]) \cong$ (C6 x S3) : C2
$N_2 = Group([(5,6)(8,10),(2,3)(7,8)(9,10),(7,9)(8,10),(1,2,3),(4,5,6)]) \cong$ (C6 x S3) : C2
$N_3 = Group([(2,3)(7,8)(9,10),(7,9)(8,10),(4,6,5)]) \cong$ C6 x C2
$N_4 = Group([(5,6)(8,10),(7,9)(8,10),(5,6)(7,9),(1,3,2)]) \cong$ C6 x C2
$N_5 = Group([(2,3)(7,8)(9,10),(4,5,6),(5,6)(8,10),(7,9)(8,10)]) \cong$ (C6 x C2) : C2
$N_6 = Group([(5,6)(8,10),(1,2)(7,8)(9,10),(2,3)(7,8)(9,10),(7,9)(8,10)]) \cong$ (C6 x C2) : C2
$N_7 = Group([(2,3)(5,6)(7,8,9,10),(5,6)(8,10),(7,9)(8,10)]) \cong$ D8
$N_8 = Group([(2,3)(7,8)(9,10),(5,6)(8,10),(7,9)(8,10)]) \cong$ D8