The group G is isomorphic to the group labelled by [120, 34] in the Small Groups library.
Ordinary character table of $G \cong$ S5:

	$1a$	$2a$	$3a$	$5a$	$2b$	$4a$	$6a$
χ_1	1	1	1	1	1	1	1
χ_2	1	1	1	1	-1	-1	-1
χ_3	6	-2	0	1	0	0	0
χ_4	4	0	1	-1	2	0	-1
χ_5	4	0	1	-1	-2	0	1
χ_6	5	1	-1	0	1	-1	1
χ_7	5	1	-1	0	-1	1	-1

Trivial source character table of $G \cong$ S5 at $p = 5$:

Normalisers N_i	N_1						N_2			
p-subgroups of G up to conjugacy in G	P_1						P_2			
Representatives $n_j \in N_i$	$1a$	$2b$	$3a$	$2a$	$4a$	$6a$	$1a$	$4b$	$2a$	$4a$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	5	3	2	1	1	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	5	-3	2	1	-1	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	10	2	1	-2	0	-1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	10	-2	1	-2	0	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7$	5	1	-1	1	-1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7$	5	-1	-1	1	1	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	-1	1	1	-1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	6	0	0	-2	0	0	1	$E(4)$	-1	$-E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	6	0	0	-2	0	0	1	$-E(4)$	-1	$E(4)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,2,3,5,4)]) \cong$ C5

$N_1 = SymmetricGroup([1..5]) \cong$ S5
$N_2 = Group([(1,2,3,5,4),(2,4)(3,5),(2,5,4,3)]) \cong$ C5 : C4