The group G is isomorphic to the group labelled by [48, 18] in the Small Groups library Ordinary character table of $G \cong C3$: Q16:

Normalisers N_i	<i>1</i>	V_1	N_2		N_3		N_4		N_5	1	N_6	N_7	N_8	T.	
p-subgroups of G up to conjugacy in G	I	1	P_2		P_3		P_4		P_5	i	P_6	P_7	P_8		
Representatives $n_j \in N_i$	1a	3a	1a	3a	1a	3a	1a	3a	3b	1a	1 <i>a</i>	3a	1a	1a	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 2 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	16	16	0	0	0	0	0	0	0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 2 \cdot \chi_{12}$	16	-8	0	0	0	0	0	0	0	0	0	0	0	0	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	8	8	0	0	0	0	0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	-4	8	-4	0	0	0	0	0	0	0	0	0	0	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	4	4	0	0	0	0	0	0	0	0	Τ
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	4	-2	4	-2	0	0	0	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	2	2	2	0	0	0	0	0	T
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	4	-2	0	0	2	$2 * E(3)^2$	2 * E(3)	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	4	-2	0	0	2	2 * E(3)	$2 * E(3)^2$	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	0	0	2	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	2	2	0	2	2	0	0	T
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	-1	2	-1	2	-1	2	-1	-1	0	2	-1	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	0	0	0	2	0	0	2	0	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	0	0	0	0	0	0	0	2	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

$P_1 = Group(|()|) \cong 1$

 $P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong \mathbb{C}_2$

 $P_3 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)]) \cong C4$

 $14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3,5,12)(2,7,9,19)(4,25,14,11)(6,13,16,27)(8,32,21,18)(10,20,23,34)(15,39,29,26)(17,28,31,41)(22,43,36,33)(24,35,38,45)(30,47,42,40)(37,48,46,44)] \\ \cong C4)(10,10)(10$

 $14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 2, 5, 9)(3, 18, 12, 32)(4, 21, 14, 8)(6, 24, 16, 38)(7, 25, 19, 11)(10, 31, 23, 17)(13, 44, 27, 48)(15, 46, 29, 37)(20, 47, 34, 40)(22, 30, 36, 42)(26, 35, 39, 45)(28, 33, 41, 43)]) \cong C4$

 $P_6 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,43,36,33)(24,35,38,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,43,36,34)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,3,5,12)(2,7,9,19)(4,25,14,11)(6,13,16,27)(8,32,11,12,25)(6,15,16,29)(17,31,12,25)(6,15,16,29)(17,31,12,25)(6,15,16,29)(17,31,12,25)(6,15,16,29)(17,31,12,25)(6,15,16,29)(17,31,12,25)(6,15,16,29)(17,31,12,25)(17,31$

 $P_7 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,33,36)(13,26,27,39)(17,30,31,42)(20,33,44,30)(24,37,38,46)(28,40,41,47)(35,44,47,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)(24,37,38,46)(28,40,41,47)(35,44,47,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)(24,37,38,46)(28,40,41,47)(35,44,47,48)(35,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)(26,37,38,46)(28,40,41,47)(35,44,47,48)(36,47,48)($

 $P_8 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,4,5,14)(28,9,37)(17,30,31,42)(20,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,4,5,14)(28,9,37)(17,30,31,42)(20,34,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(28,9,37)(17,30,31,42)(20,34,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(28,9,37)(17,30,31,42)(20,34)(21,36)(21$

 $P_9 = Group([(1,5)(2,9)(3,12)(4,14)(6,24),(33,43)(24,37,38,46)(24,37$

 $X_{4} = Group([(1,3,5,12)(2,3,3)(24,35,34)(22,36)(24,35,34)(24,3$

-1 1 1 1

1 1 1 -1

0 -2 2 0

-1 1 1

 $\chi_2 \mid 1 -1 -1 1 1 1 1 1$ $|\chi_3|$ 1 -1 1 1 1 1 -1

 $\chi_4 \mid 1 \quad 1 \quad -1 \quad 1 \quad 1 \quad 1 \quad -1$

 $|\chi_5| 2 0 0 -2 2 2 0$

 $\mid \chi_6 \mid 2 \quad 0 \quad -2 \quad 2 \quad 2 \quad -1 \qquad 0 \qquad \qquad 1 \qquad \qquad -1 \quad -1 \qquad 0$ $|\chi_7| 2 0 2 2 2 -1 0 -1 -1 -1 0$

 $\begin{vmatrix} \chi_{10} \end{vmatrix} = 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad -1 \quad 0 \quad -E(3) + E(3)^2 \quad 1 \quad -1 \quad 0 \quad E(3) - E(3)^2$ $\begin{vmatrix} \chi_{11} \end{vmatrix} 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad -1 \quad 0 \quad E(3) - E(3)^2 \quad 1 \quad -1 \quad 0 \quad -E(3) + E(3)^2 \end{vmatrix}$ $\chi_{12} \mid 4 \quad 0 \quad 0 \quad 0 \quad -4 \quad -2 \quad 0 \quad 0 \quad 0 \quad 2 \quad 0 \quad 0$

 $N_5 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43),(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)] \\ \cong Q8 \\ N_5 = Group([(1,2,5,9)(3,12)(4,14,8)(6,24,16,38)(24,21,14,8)(6,24,16,38)(24,37,38,46)(24,3$

 $N_7 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23)(12,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,39,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,27,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,27,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,27,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,29,26)(17,28,31,41)(22,43,36,33)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,29,26)(17,28,31,41)(22,43,36,34)(24,37,38,46)(28,40,41,47)(35,44,45,48)(15,49,29,26)(17,28,31,41)(22,43,36,34)(24,37,38,46)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(28,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(35,44,45,48)(36,40,41,47)(36,40,$ $N_8 = Group([(1,18,4,19,5,32,14,7)(2,28,33,44,3)(24,37,38,46)(28,40,41,47)(35,44,45,48),(1,5)(2,9)(17,31)(18,32)(20,34,43)(24,37,38,46)(28,43,41,43)(28,43,41,4$

 $N_9 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(24,35,38,45)(24,35,38,4$