

$$d = 15$$

$$\Phi_{\mathbb{Q}}(15) \supseteq \{(2), (3), (4), (5), (6), (7), (9), (10), (11), (12), (13), (14), (18), (21), (22), (25), (50), (2, 2), (2, 6), (2, 14)\}$$

G	$\Phi_{\mathbb{Q}}(15, G) \setminus \{G\} \supseteq$
()	\{(2), (3), (4), (5), (6), (7), (10), (11), (13), (22), (2, 2), (2, 14)\}
(2)	\{(6), (10), (14)\}
(3)	\{(6), (9), (12), (21), (2, 6)\}
(4)	\{(12)\}
(5)	\{(10), (25), (50)\}
(6)	\{(18)\}
(7)	\{(14)\}
(8)	\{\}
(9)	\{(18)\}
(10)	\{\}
(12)	\{\}
(2, 2)	\{(2, 6)\}
(2, 4)	\{\}
(2, 6)	\{\}
(2, 8)	\{\}

$$h_{\mathbb{Q}}(15) \geq 3 \quad \#\mathcal{H}_{\mathbb{Q}}(15) \geq 30 \quad N_{\mathbb{Q}}(15) \geq 3969$$

G	$\mathcal{H}_{\mathbb{Q}}(15, E)$	Label
()	(2)	26b2
()	(2, 2)	196a1
()	(2, 14)	1922c1
()	(4)	338b2
()	(6)	108a2
()	(2), (3)	19a2
()	(2), (7)	294a1
()	(2), (13)	147b1
()	(3), (2, 2)	196b2
()	(3), (4)	162d2
()	(4), (7)	338b1
()	(7), (2, 2)	3969a1
()	(2), (3), (7)	162b2
()	(2), (5), (10)	11a2
()	(2), (11), (22)	121a2
(2)	(6)	14a3
(2)	(10)	66c3
(2)	(14)	49a3
(3)	(2, 6)	196b1
(3)	(6)	19a1
(3)	(12)	162d1
(3)	(6), (9)	19a3
(3)	(6), (21)	162b1
(4)	(12)	90c1
(5)	(10)	11a1
(5)	(10), (25), (50)	11a3
(6)	(18)	14a4
(7)	(14)	26b1
(9)	(18)	54b3
(2, 2)	(2, 6)	30a6