

$$F_4(q) \bmod l, d = 3 \quad (l > 3, (q^2 + q + 1)_l > 7)$$

[illegible]

[illegible]

	$F_4[1]$	ps	B_2
$\phi_{1,0}$	.	.	.
$\phi'_{2,4}$	.	.	.
$\phi''_{2,4}$	.	.	.
$\phi_{4,1}$	.	.	.
$\phi'_{8,3}$	.	.	.
$\phi''_{8,3}$	.	.	.
$F_4^2[1]$	.	.	.
$\phi'_{1,12}$	.	.	.
$\phi''_{1,12}$	.	.	.
$\phi_{4,8}$	.	.	.
$\phi'_{4,7}$	.	.	.
$\phi''_{4,7}$	.	.	.
$\phi_{16,5}$	.	.	.
$F_4[\zeta_3]$	.	.	.
$F_4[\zeta_3^2]$	.	.	.
$\phi'_{8,9}$	.	.	.
$\phi''_{8,9}$	.	.	.
$\phi'_{2,16}$	.	.	.
$\phi''_{2,16}$	.	.	.
$\phi_{4,13}$	.	.	.
$\phi_{1,24}$	.	.	.
$B_2 : 2.$	.	.	.
$\phi_{9,2}$	.	.	.
$\phi''_{9,6}$	.	.	.
$\phi'_{9,6}$	.	.	.
$\phi'_{6,6}$	.	.	.
$\phi''_{6,6}$	.	.	.
$\phi_{12,4}$	.	.	.
$B_2 : 1.1$	.	.	.
$B_2 : .2$	.	.	.
$B_2 : 11.$	.	.	.
$F_4[-1]$	.	.	.
$F_4[-i]$	.	.	.
$F_4[i]$	.	.	.
$F_4[1]$	1	.	.
$\phi_{9,10}$	.	1	.
$B_2 : .11$	.	.	1

References

- [DM] O. Dudas and G. Malle. Decomposition matrices for groups of Lie type in non-defining characteristic. arXiv:2001.06395.