

$$E_7(q) \bmod l, d = 9$$
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

	D_4	$E_7[-i]$	$E_7[i]$
$\phi_{1,0}$	.	.	.
$\phi_{35,4}$	.	.	.
$\phi_{280,8}$	.	.	.
$\phi_{512,12}$	.	.	.
$\phi_{315,16}$	.	.	.
$\phi_{56,30}$	.	.	.
$E_6[\zeta_3] : 2$	.	.	.
$E_6[\zeta_3^2] : 2$	.	.	.
$\phi_{7,46}$	.	.	.
$\phi_{7,1}$	.	.	.
$\phi_{56,3}$	.	.	.
$\phi_{315,7}$	.	.	.
$\phi_{512,11}$	.	.	.
$\phi_{280,17}$	.	.	.
$\phi_{35,31}$	.	.	.
$E_6[\zeta_3] : 11$	.	.	.
$E_6[\zeta_3^2] : 11$	.	.	.
$\phi_{1,63}$	.	.	.
$\phi_{15,28}$	.	.	.
$\phi_{15,7}$	.	.	.
$\phi_{21,6}$	.	.	.
$\phi_{21,33}$	.	.	.
$\phi_{21,36}$	.	.	.
$\phi_{21,3}$	.	.	.
$\phi_{27,2}$	.	.	.
$\phi_{27,37}$	.	.	.
$\phi_{35,22}$	.	.	.
$\phi_{35,13}$	.	.	.
$\phi_{70,18}$	.	.	.
$\phi_{70,9}$	.	.	.
$\phi_{84,12}$	.	.	.
$\phi_{84,15}$	.	.	.
$\phi_{105,26}$	.	.	.
$\phi_{105,5}$	.	.	.
$\phi_{105,6}$	.	.	.
$\phi_{105,21}$	.	.	.
$\phi_{105,12}$	.	.	.
$\phi_{105,15}$	.	.	.
$\phi_{120,4}$	.	.	.
$\phi_{120,25}$	.	.	.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

	D_4	$E_7[-i]$	$E_7[i]$
$\phi_{168,6}$	.	.	.
$\phi_{168,21}$	.	.	.
$\phi_{189,10}$	.	.	.
$\phi_{189,17}$	.	.	.
$\phi_{189,22}$	.	.	.
$\phi_{189,5}$	.	.	.
$\phi_{189,20}$	.	.	.
$\phi_{189,7}$	.	.	.
$\phi_{210,6}$	.	.	.
$\phi_{210,21}$	.	.	.
$\phi_{210,10}$	.	.	.
$\phi_{210,13}$	.	.	.
$\phi_{216,16}$	.	.	.
$\phi_{216,9}$	.	.	.
$\phi_{280,18}$	.	.	.
$\phi_{280,9}$	.	.	.
$\phi_{336,14}$	.	.	.
$\phi_{336,11}$	.	.	.
$\phi_{378,14}$	.	.	.
$\phi_{378,9}$	.	.	.
$\phi_{405,8}$	.	.	.
$\phi_{405,15}$	.	.	.
$\phi_{420,10}$	.	.	.
$\phi_{420,13}$	.	.	.
$D_4 : .111$	.	.	.
$D_4 : .21$	.	.	.
$D_4 : .3$	.	.	.
$D_4 : 1.11$	.	.	.
$D_4 : 1.2$	.	.	.
$D_4 : 11.1$	.	.	.
$D_4 : 111.$	.	.	.
$D_4 : 2.1$	.	.	.
$D_4 : 21.$	.	.	.
$D_4 : 3.$	1	.	.
$E_7[-i]$	.	1	.
$E_7[i]$	.	.	1

References

- [CDR20] D. A. Craven, O. Dudas, and R. Rouquier. Brauer trees of unipotent blocks. *J. Eur. Math. Soc. (JEMS)*, 22(9):2821–2877, 2020.