$L_2(32) \pmod 3$

	blocks	defect	matrix
$G:$	1	1	3×2
	2	1	3×1
	3	1	3×1
	4	1	3×1
	5	1	3×1
	6	1	3×1
	7	0	$33_1 = \chi_{19}, \varphi_8$
	8	0	$33_2 = \chi_{20}, \varphi_9$
	9	0	$33_3 = \chi_{21}, \varphi_{10}$
	10	0	$33_4 = \chi_{22}, \varphi_{11}$
	11	0	$33_5 = \chi_{23}, \varphi_{12}$

	blocks	defect	matrix
	12	0	$33_6 = \chi_{24}, \varphi_{13}$
	13	0	$33_7 = \chi_{25}, \varphi_{14}$
	14	0	$33_8 = \chi_{26}, \varphi_{15}$
	15	0	$33_9 = \chi_{27}, \varphi_{16}$
	16	0	$33_{10} = \chi_{28}, \varphi_{17}$
	17	0	$33_{11} = \chi_{29}, \varphi_{18}$
	18	0	$33_{12} = \chi_{30}, \varphi_{19}$
	19	0	$33_{13} = \chi_{31}, \varphi_{20}$
	20	0	$33_{14} = \chi_{32}, \varphi_{21}$
	21	0	$33_{15} = \chi_{33}, \varphi_{22}$

Block 1:	φ_1	φ_2
$1_1 = \chi_1$	1	.
$31_1 = \chi_2$	.	1
$32_1 = \chi_{18}$	1	1

$\varphi_1 = 1_1$
$\varphi_2 = 31_1$

Block 2:	φ_3
$31_2 = \chi_3$	1
$31_7 = \chi_8$	1
$31_{12} = \chi_{13}$	1

$\varphi_3 = 31_2$

Block 3:	φ_4
$31_3 = \chi_4$	1
$31_8 = \chi_9$	1
$31_{13} = \chi_{14}$	1

$\varphi_4 = 31_3$

Block 4:	φ_5
$31_4 = \chi_5$	1
$31_9 = \chi_{10}$	1
$31_{14} = \chi_{15}$	1

$\varphi_5 = 31_4$

Block 5:	φ_6
$31_5 = \chi_6$	1
$31_{10} = \chi_{11}$	1
$31_{15} = \chi_{16}$	1

$$\varphi_6 = 31_5$$

Block 6:	φ_7
$31_6 = \chi_7$	1
$31_{11} = \chi_{12}$	1
$31_{16} = \chi_{17}$	1

$$\varphi_7 = 31_6$$