

$$N = 95 = 5 \cdot 19$$

By the Ibukiyama-Kitayama dimension formula,
 $\dim(S_4(K(95))) = 22$

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
the lift dimension of $S_4(K(95))^+$ is 14
the nonlift dimension of $S_4(K(95))^+$ is heuristically 7
 $\dim(S_4(K(95))^+)$ thus is heuristically 21
 $\dim(S_4(K(95))^-)$ is heuristically 1

The heuristic dimensions are correct by the spanning results to follow

$\dim(J_{\{2,95\}}^{\{\text{cusp}\}}) = 0$ (Skoruppa-Zagier), so need to span completely

$q = 7$ for TraceDown

After TD($\text{Grit}(J_{\{4,665\}}^{\{\text{cusp}\}})$) and $(\text{Grit}(J_{\{2,95\}}^{\{\text{cusp}\}}))^2$,
spanned rank in $S_4(K(95))^+$ is 21
spanned rank in $S_4(K(95))^-$ is 0

After Borcherds products,
spanned rank in $S_4(K(95))^-$ is 1

Final spanned rank in $S_4(K(95))^+$ is 21

Final spanned rank in $S_4(K(95))^-$ is 1

$S_2(K(95))$ is determined by Jacobi restriction and the $H4Ndd(1,+)$ test
 $(H_4(95,1,1))^+ = 0$

So $S_2(K(95)) = \text{Grit}(J_{\{2,95\}}^{\{\text{cusp}\}})$ (dimension 0)