Erratum to "Congruences modulo 2 for dimensions of spaces of cusp forms"

For Yamauchi's formula [1, Theorem 3.2], we mistook plus/minus, that is, we must delete the minus $-$ of the first of RHS. Hence,

$$\operatorname{Tr} W_p = \frac{(-1)^{k/2}}{2}\, h(-p)\, \eta_p + \begin{cases} 1 & \text{if } k = 2, \\ 0 & k > 2 \end{cases},$$

is correct. For the related computations, we used this correct formula. This erratum does not effect to the other statements.

References

[1] S. Wakatsuki, Congruences modulo 2 for dimensions of spaces of cusp forms, J. Number Theory 140 (2014), 169–180.