

$$\begin{array}{ccccccc}
\vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\
\cdots & 0 & 0 & 0 & 0 & 0 & \mathbb{Z} \\
\\
\cdots & 0 & 0 & 0 & 0 & 0 & \mathcal{O}^*(X) \\
\\
\cdots & 0 & 0 & 0 & 0 & \mathbb{Z}/(q^2-1)\mathbb{Z} & 0 \\
\\
\cdots & 0 & 0 & 0 & \mathbb{Z}/(q^3-1)\mathbb{Z} & 0 & \bigoplus_{\ell \neq p} H^2_{\text{ét}}(X_{\overline{\mathbb{F}}_q}, \mathbb{Z}_\ell(3))_\Gamma \\
\\
\cdots & 0 & 0 & \mathbb{Z}/(q^4-1)\mathbb{Z} & 0 & \bigoplus_{\ell \neq p} H^2_{\text{ét}}(X_{\overline{\mathbb{F}}_q}, \mathbb{Z}_\ell(4))_\Gamma & 0 \\
\\
\cdots & 0 & \mathbb{Z}/(q^5-1)\mathbb{Z} & 0 & \bigoplus_{\ell \neq p} H^2_{\text{ét}}(X_{\overline{\mathbb{F}}_q}, \mathbb{Z}_\ell(5))_\Gamma & 0 & \mathbb{Z}/(q^3-1)\mathbb{Z} \\
\\
\vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots
\end{array}$$