Notations	Descriptions	Notations	Descriptions
$\mathbb{Z}^*_{N^2}$	Ciphertext space	$\mathbb{Z}_N$	Plaintext space
pk, sk	Public/secret key	sk_i	Secret key share
$[\![x]\!]$	Ciphertext	$[x]_i$	Decryption share with sk_i
g_i	Local gradient	g	Aggregated gradient
g_i^*	Poisonous gradient	W^*	Poisoned model
$W_i^{(t)}$	Local model	$W^{(t)}$	Global model
Appr	Approximation function	deg	Precision degree
HE.Mul	Secure multiplication	SecJudge	Normalization judgment
SecCos	Secure cosine similarity	cos	cosine similarity value
Acc	Overall accuracy	Acc_{source}	Source accuracy
AI	Improvement of Acc	ASR	Attack success rate
AI_{source}	Improvement of Acc_{source}	η_i	Confidence of $\mathcal{U}_i$