

Fig. S1. Estimated size distributions (in the unit of size-dependent number concentration) of droplets in spray (A) DI, (B) DO_S, and (C) DO_L.

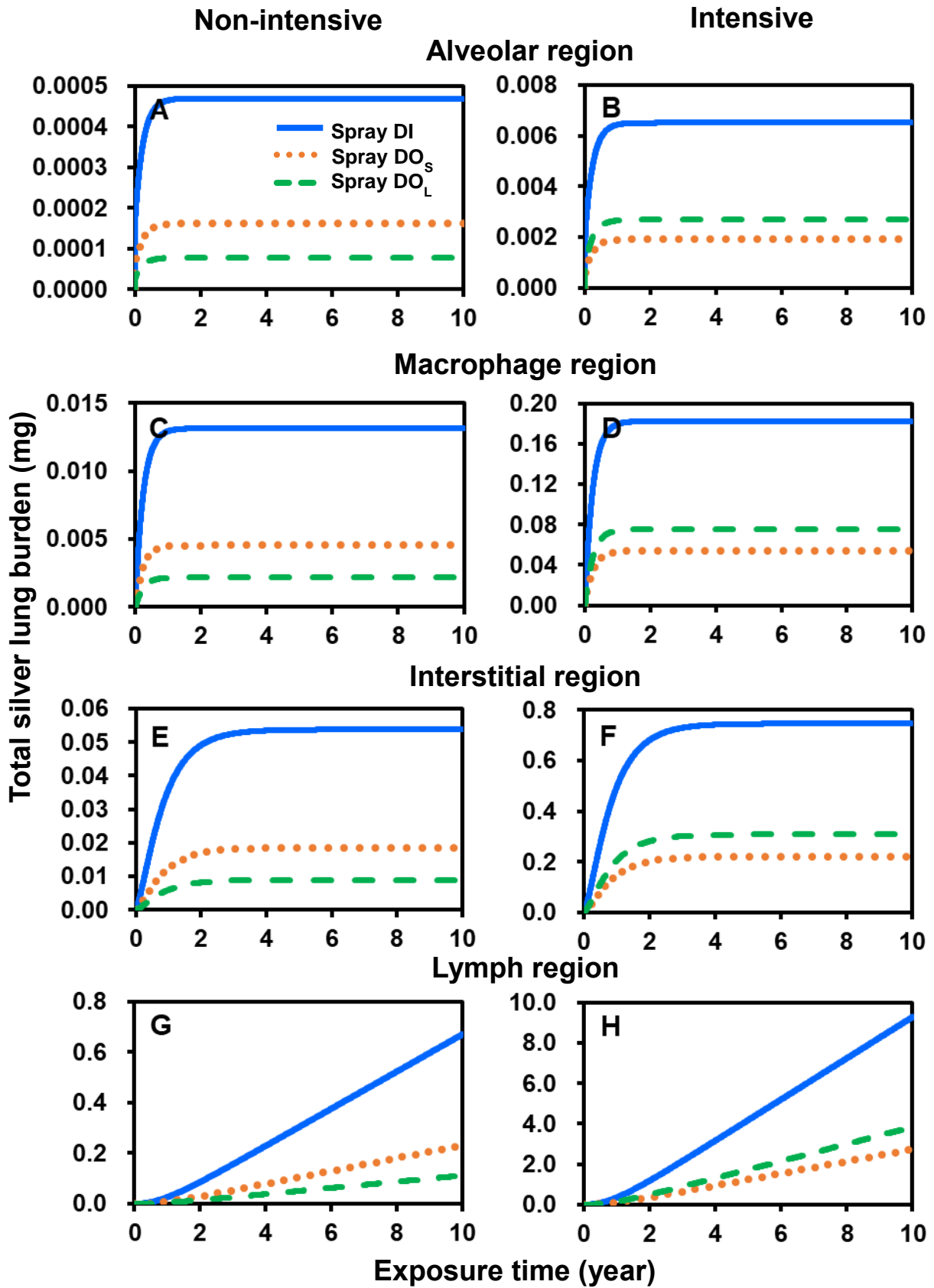


Fig. S2. Time-dependent silver depositions in regions of (A, B) alveolar, (C, D) macrophage, (E, F) interstitial, and (G, H) lymph nodes when exposed to three kinds of AgNPs-containing spray products in non-intensive or intensive application.

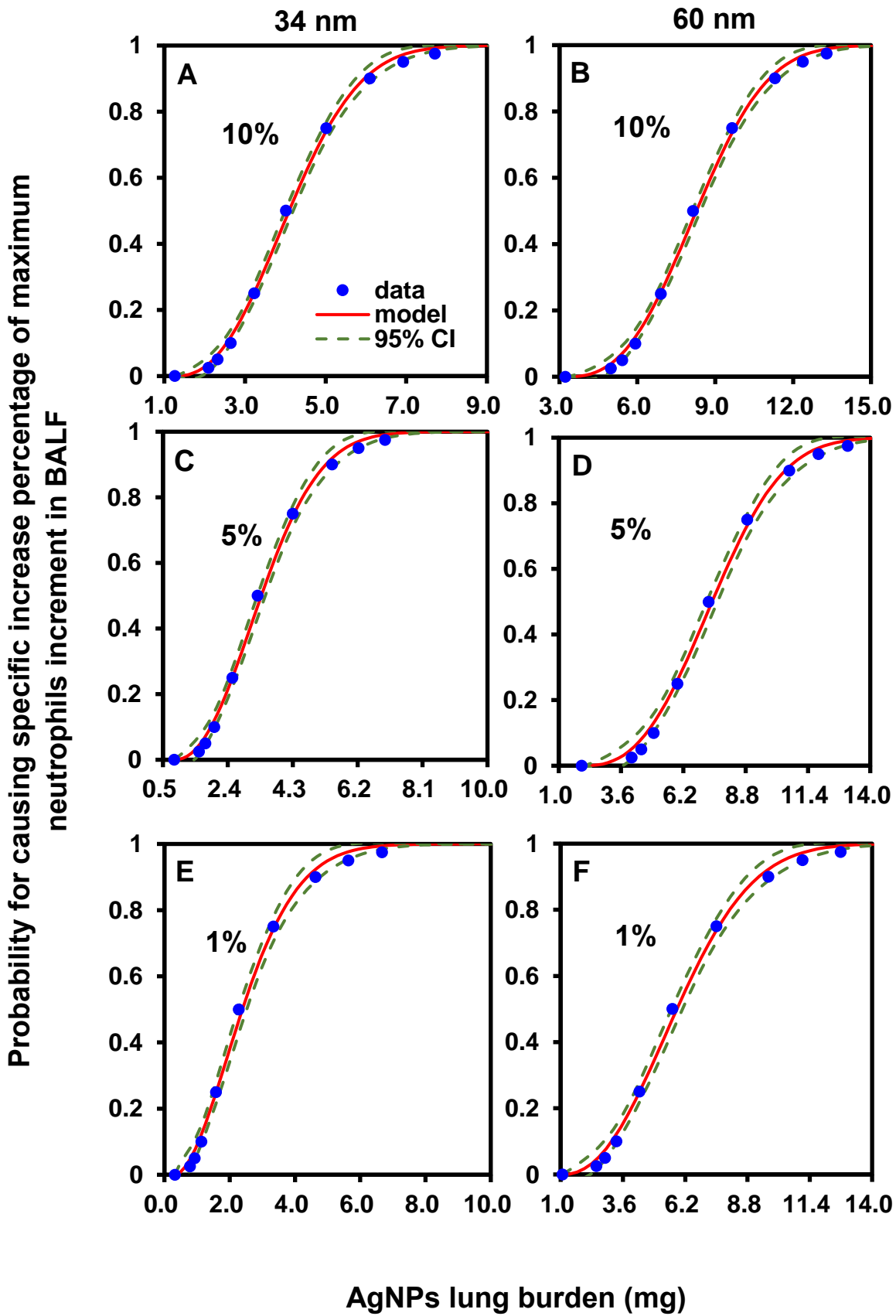


Fig. S3. Best fit of the Weibull threshold model to the cumulative distribution functions of 10, 5, and 1% maximum neutrophils increment in BALF of male Fischer rats posed by various concentrations of (A, C, E) 34 nm and (B, D, F) 60 nm AgNPs.