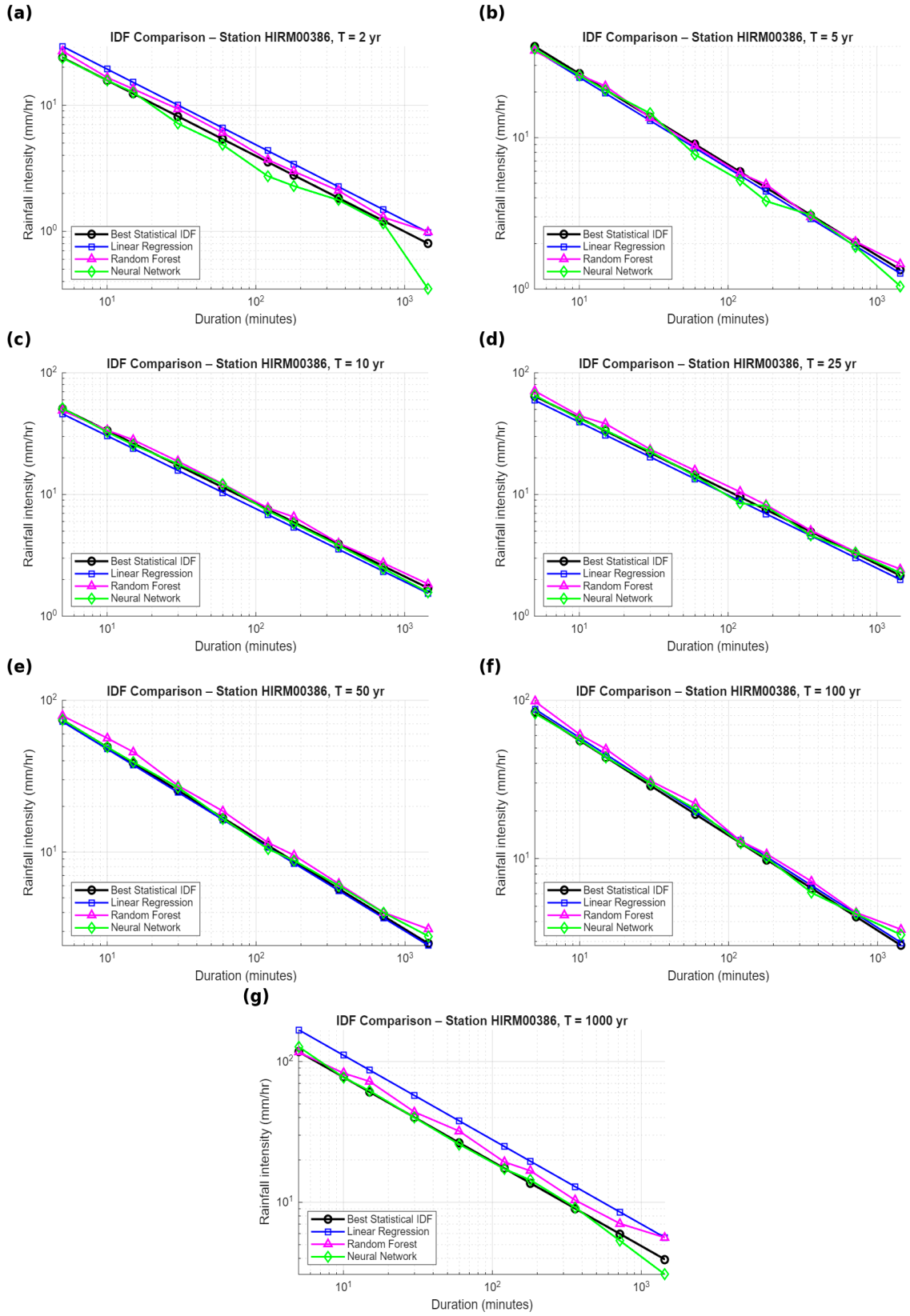


Figure S1. Best-fit statistical distribution curve evaluated through machine-learning models for Station HIRM00386. Panels (a)-(g) correspond to T = 2-1000 years.

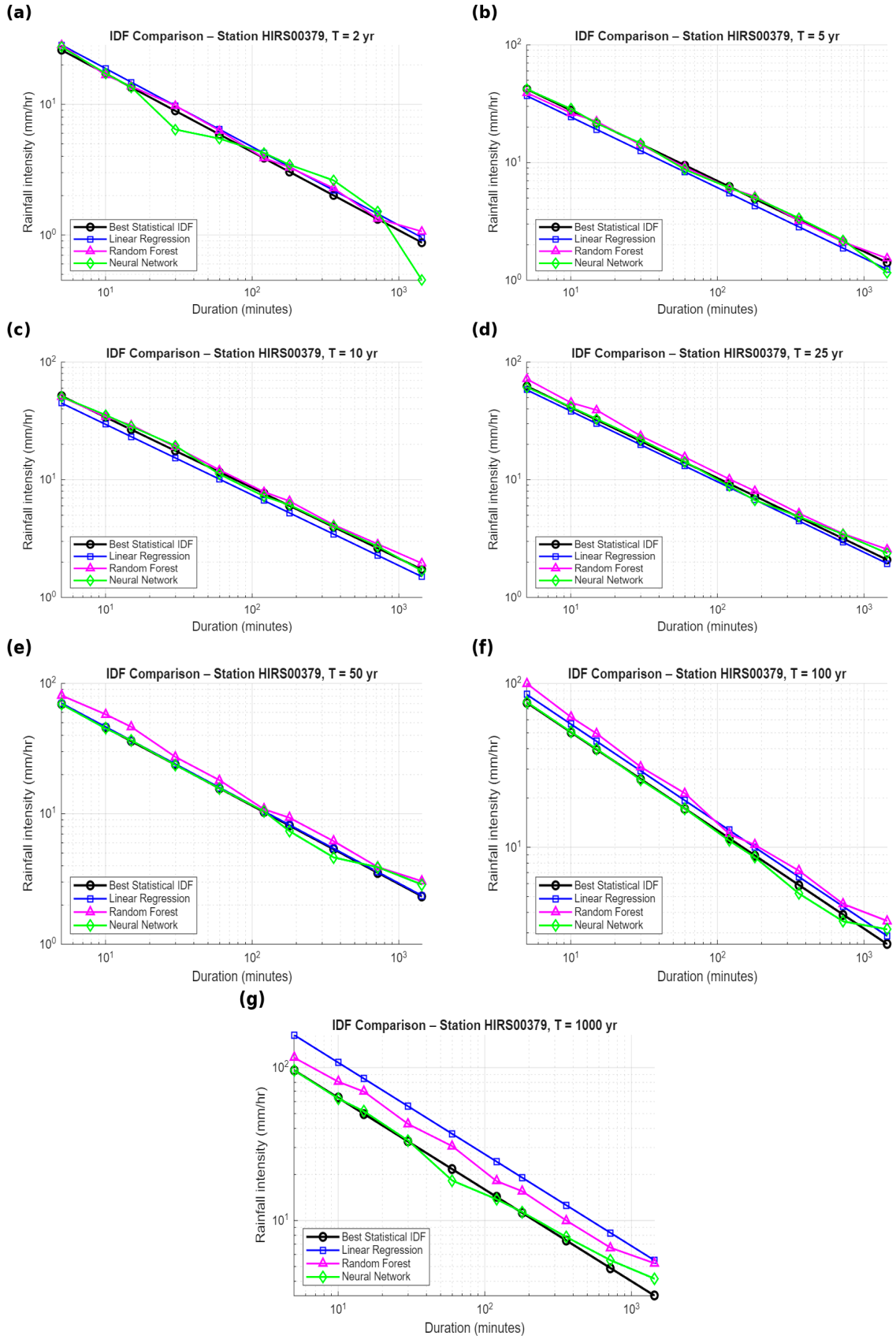


Figure S2. Best-fit statistical distribution curve evaluated through machine-learning models for Station HIRS00379. Panels (a)-(g) correspond to T = 2-1000 years.

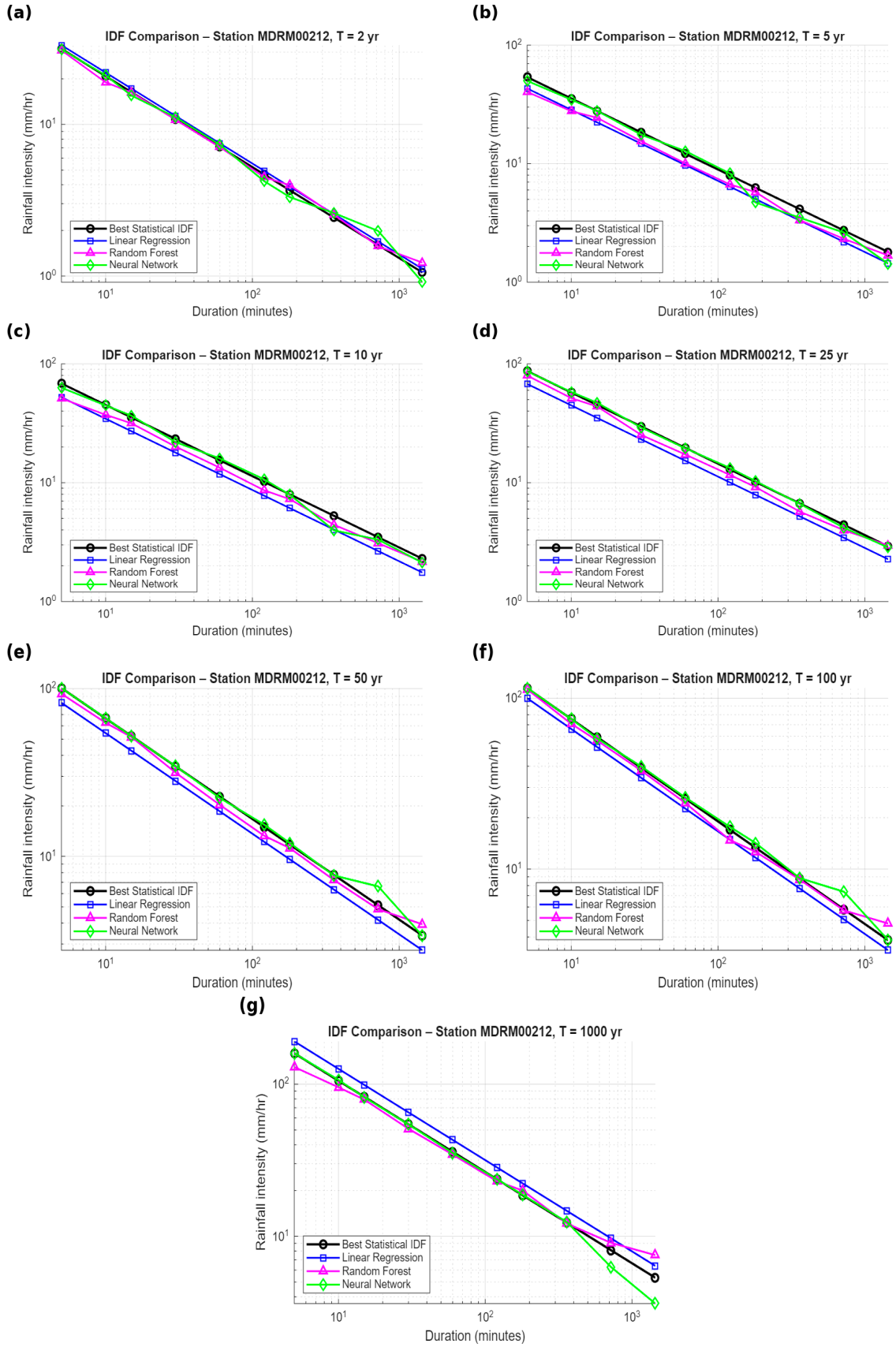


Figure S3. Best-fit statistical distribution curve evaluated through machine-learning models for Station MDRM00212. Panels (a)-(g) correspond to T = 2-1000 years.

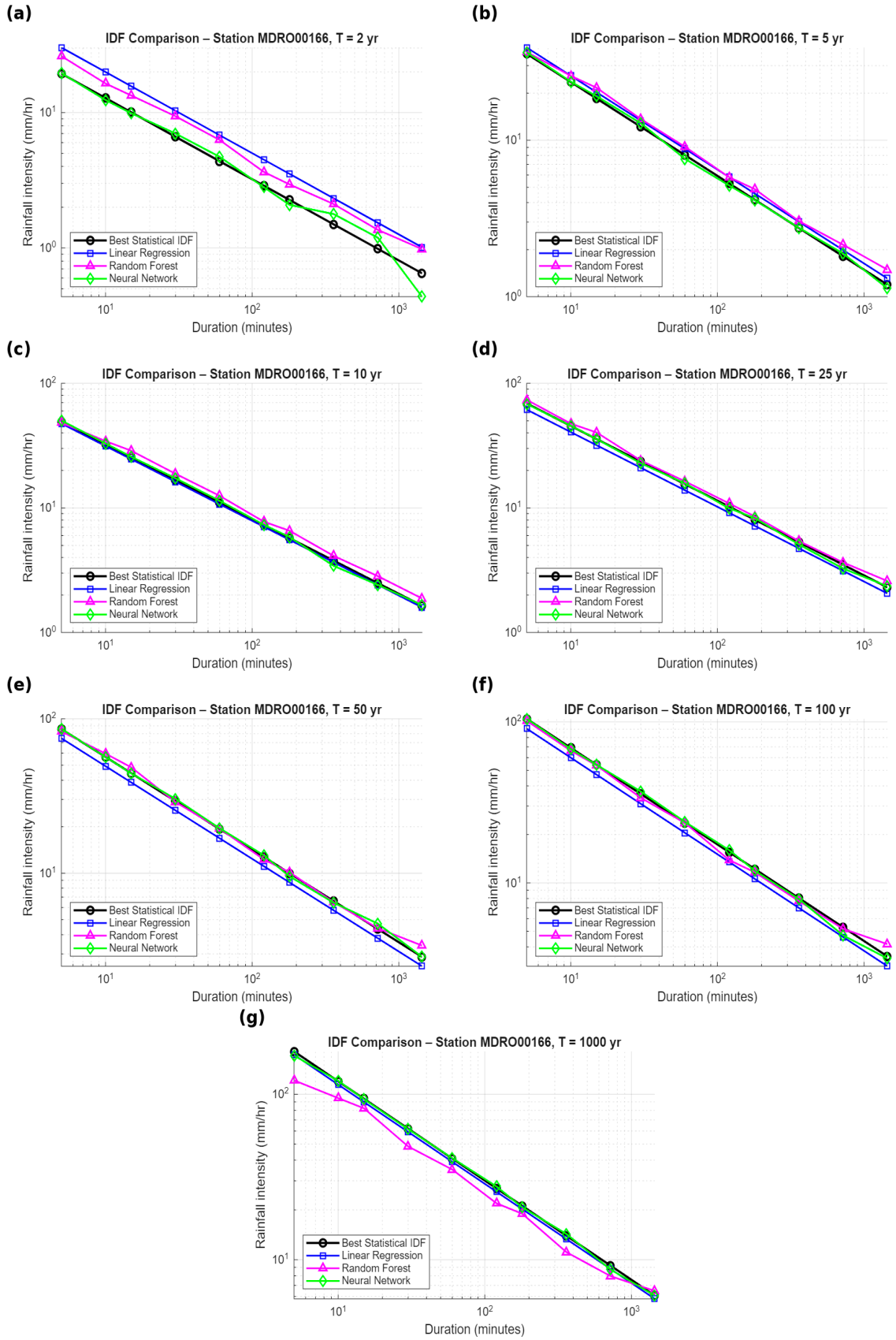


Figure S4. Best-fit statistical distribution curve evaluated through machine-learning models for Station MDRO00166. Panels (a)-(g) correspond to T = 2-1000 years.

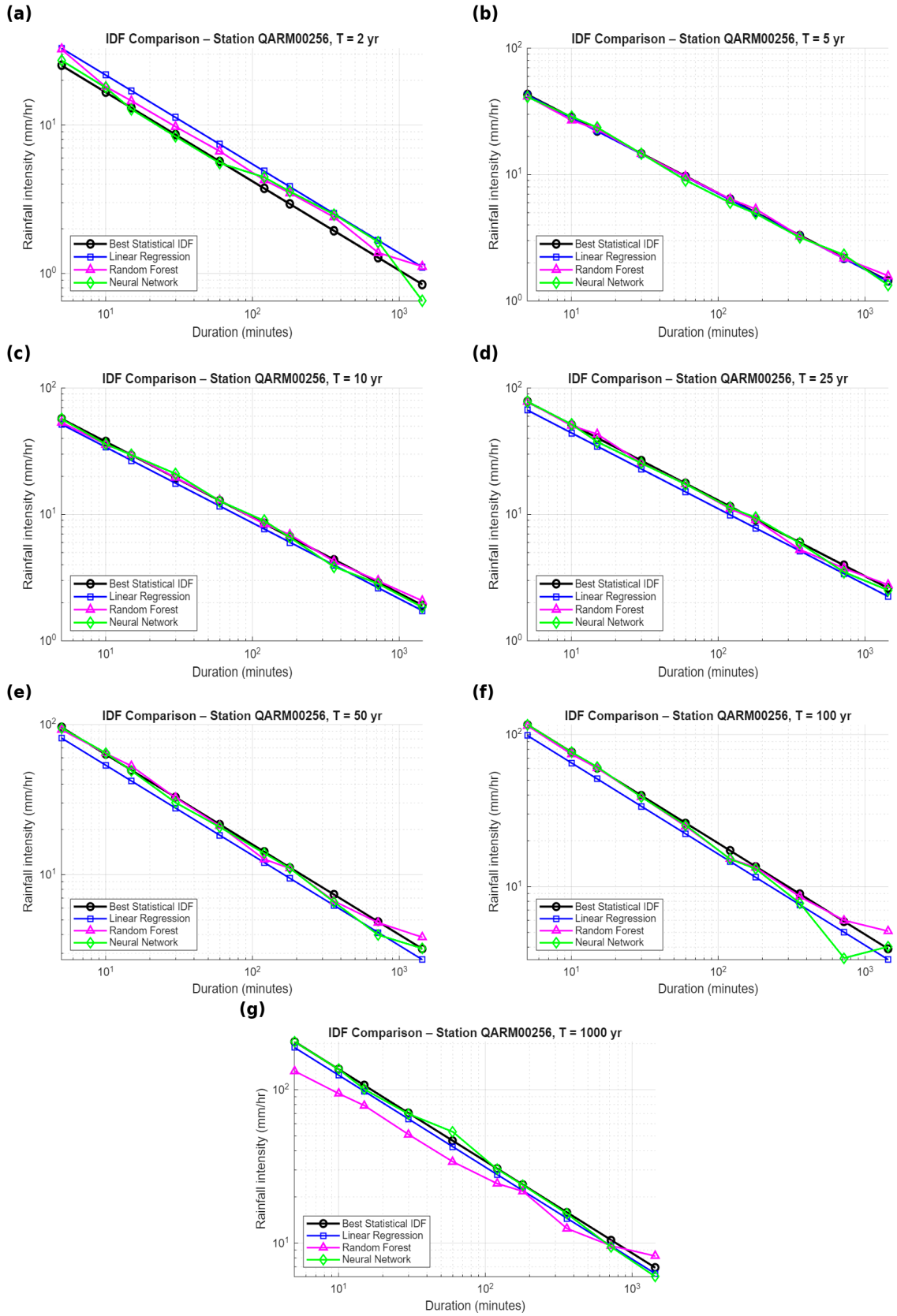


Figure S5. Best-fit statistical distribution curve evaluated through machine-learning models for Station QARM00256. Panels (a)-(g) correspond to T = 2-1000 years.

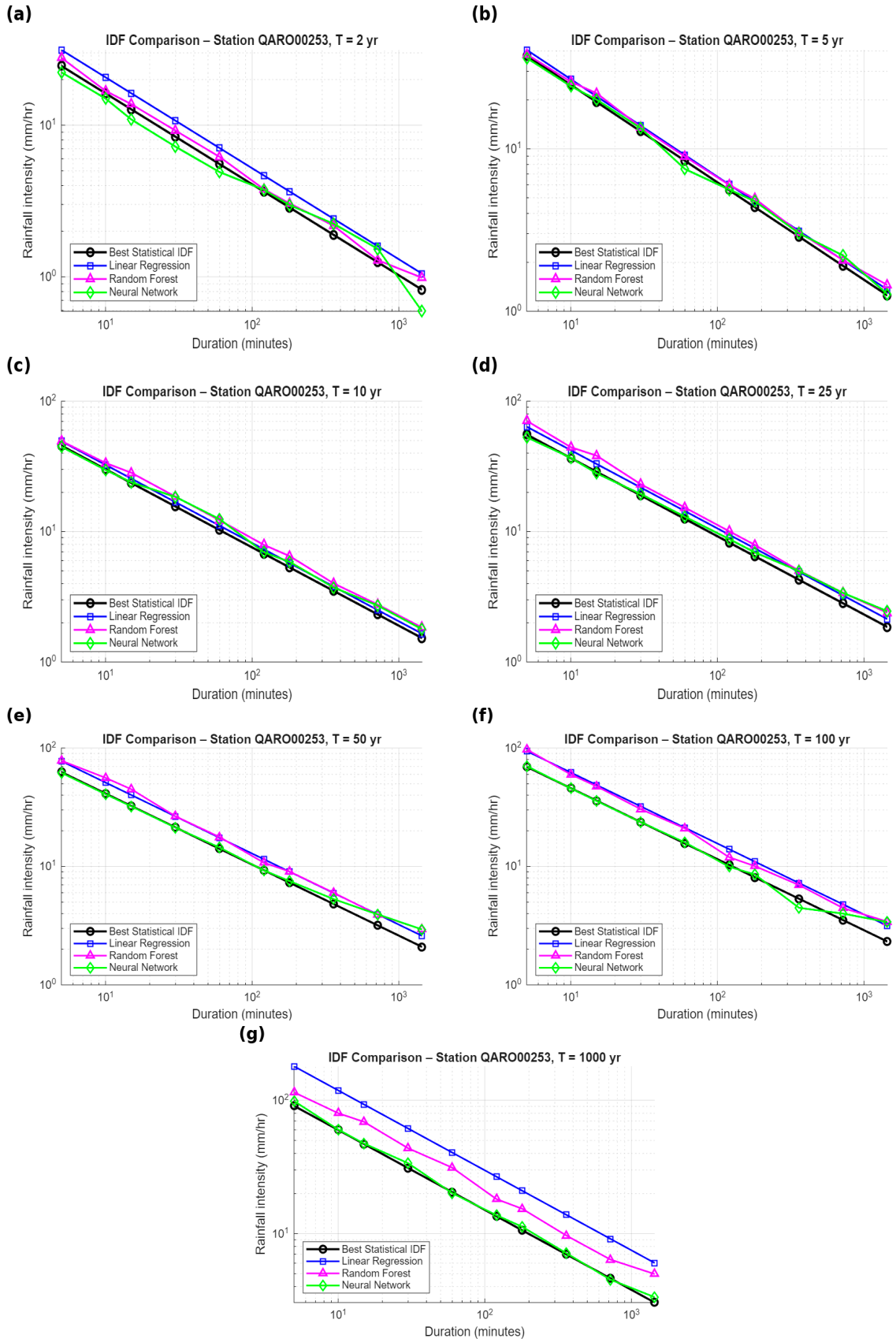


Figure S6. Best-fit statistical distribution curve evaluated through machine-learning models for Station QARO00253. Panels (a)-(g) correspond to T = 2-1000 years.

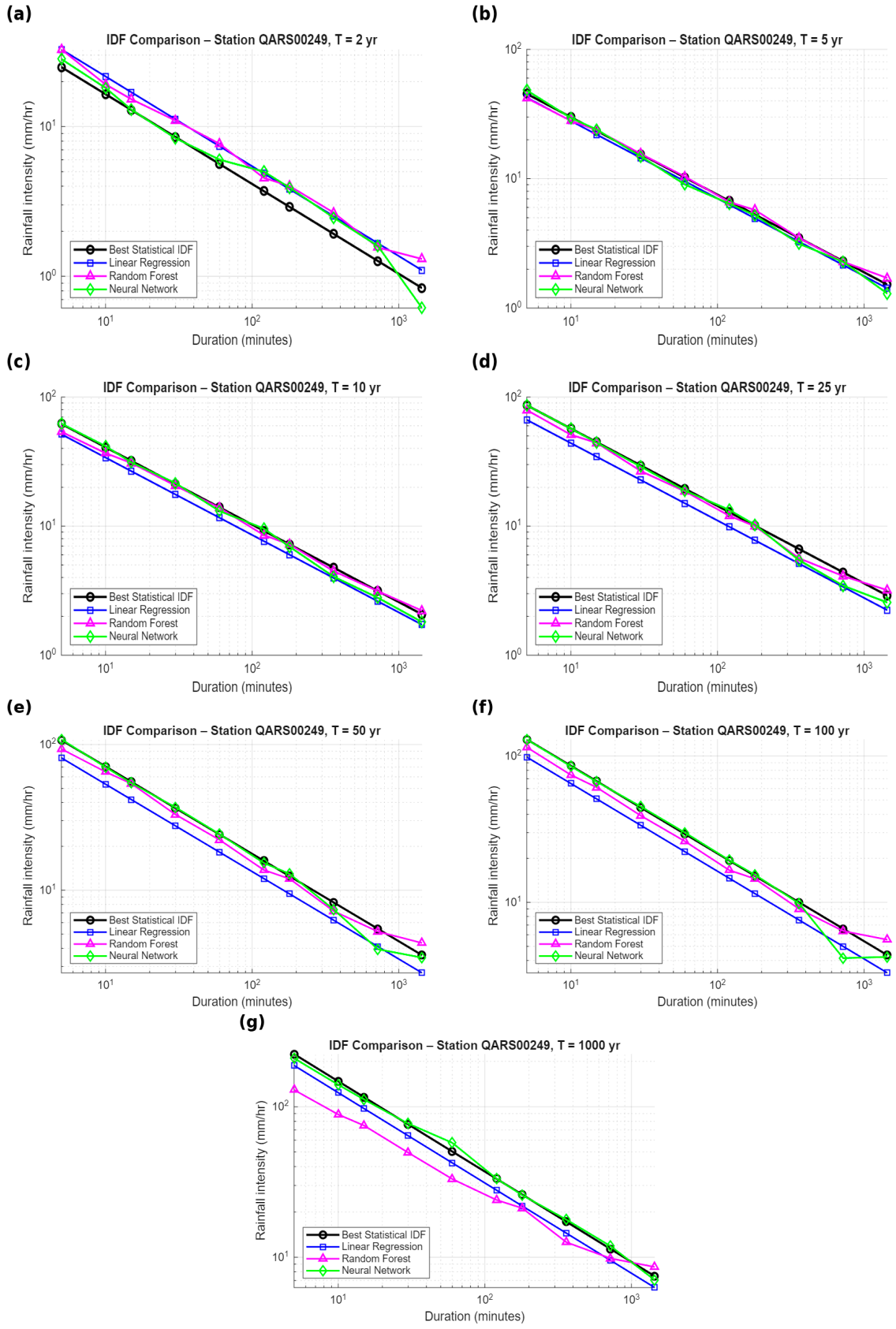


Figure S7. Best-fit statistical distribution curve evaluated through machine-learning models for Station QARS00249. Panels (a)-(g) correspond to T = 2-1000 years.