Train accuracy for Cancer data, using 5 minibatches

|  |         |       |       |       | J     |       |       | , ,   | 0     |       |       |       |
|--|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 0.1     | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.987 | 0.985 | 0.982 | 0.982 |
| (  | 0.03981 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 |
| (  | 0.01585 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 | 0.991 |
| (  | 0.00631 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.989 | 0.991 | 0.991 |
| ate $\eta$   | 0.00251 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 | 0.987 |
| Learning rate $ec{\eta}$   | 0.001   | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  |
| Lear   | 0.0004  | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 | 0.971 |
|  | 0.00016 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 | 0.941 |
|  | 6e-05   | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 | 0.916 |
|  | 3e-05   | 0.829 | 0.829 | 0.829 | 0.829 | 0.829 | 0.829 | 0.829 | 0.829 | 0.831 | 0.831 | 0.831 |
|  | 1e-05   | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 | 0.613 |
| -5.0 -4.8 -4.6 -4.4 -4.2 -4.0 -3.8 -3.6 -3.4 -3.2<br>Hyper-parameter $\log(\lambda)$ |         |       |       |       |       |       |       |       |       |       |       | -3.0  |

0.95 0.90 0.85 0.80 0.75 0.70

0.65