

**Figure S3:** Signaling and immune pathway alterations for each patient-matched melanoma metastasis pair. A, Percentage of genes in each cancer-relevant signaling pathway that were either increased or decreased expressed in the intracranial metastasis compared to the corresponding extracranial metastasis of a patient-matched metastasis pair. B, Percentage of genes in each immune-relevant pathway that were either increased or decreased expressed in the intracranial metastasis compared to the corresponding extracranial metastasis of a patient-matched metastasis pair. Significant enrichment of decreased or increased expressed genes in pathways of subpanels A and B are marked with 'x' (FDR-adjusted p-value < 0.05).