



Fig. S1: Movement defects in GBM9 transplanted animals

During our analysis, we observed that zebrafish containing GBM9 cells did not move normally. To quantify this defect, we performed a touch-evoked swimming assay on 5 and 10 dpt. Wild-type (light grey bars) and sham injected (dark grey bars) zebrafish moved on average 4.2 cm radially from the center of a 10 cm dish while GBM9 tumor bearing animals (green bars) moved 1.8 ± 1.1 and 0.3 ± 0.6 cm and 5 and 10 dpt respectively. Tumor bearing animals perform significantly worse in the touch-evoked swim assay at both 5 and 10 dpt as compared to wild-type and sham injected animals. At day 5, when GBM9 transplanted fish did move, they often exhibited abnormal movements such as twitches, circling and abnormal posture in the water. This indicates that tumor-bearing fish do not initiate swimming movements compared to wild-type animals and impairment worsens over time suggesting that the tumor growth is impairing brain function.

Supplementary Table 1

Statistics for Figure 1A

Group	mNSC	Sham-Injected	GBM9 51-90	GBM9 91-140	X12 51-90	X12 91-140
mNSC		ns	<0.0001	<0.0001	0.0049	<0.0001
Sham-Injected	ns		<0.0001	<0.0001	0.0059	<0.0001
GBM9 51-91	<0.0001	<0.0001		0.0004	<0.0001	<0.0001
GBM9 91-140	<0.0001	<0.0001	0.0004		<0.0001	<0.0001
X12 51-90	0.0049	0.0059	<0.0001	<0.0001		0.0002
X12 91-140	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	

Statistics for Figure 1B

Group	10-25 cells	26-50 cells	51-90 cells	91-140 cells
10-25 cells		<0.0001	<0.0001	<0.0001
26-50 cells	<0.0001		<0.0001	<0.0001
51-90 cells	<0.0001	<0.0001		0.0004
91-140 cells	<0.0001	<0.0001	0.0004	

Statistics for Figure 7F

Group	WT Bort	GBM9 Bort	WT TMZ	GBM9 TMZ	GBM9 DMSO
WT Bort		0.0055	ns	ns	<0.0001
GBM9 Bort	0.0055		0.0160	ns	0.0002
WT TMZ	ns	0.0160		ns	<0.0001
GBM9 TMZ	ns	ns	ns		<0.0001
GBM9 DMSO	<0.0001	0.0002	<0.0001	<0.0001	