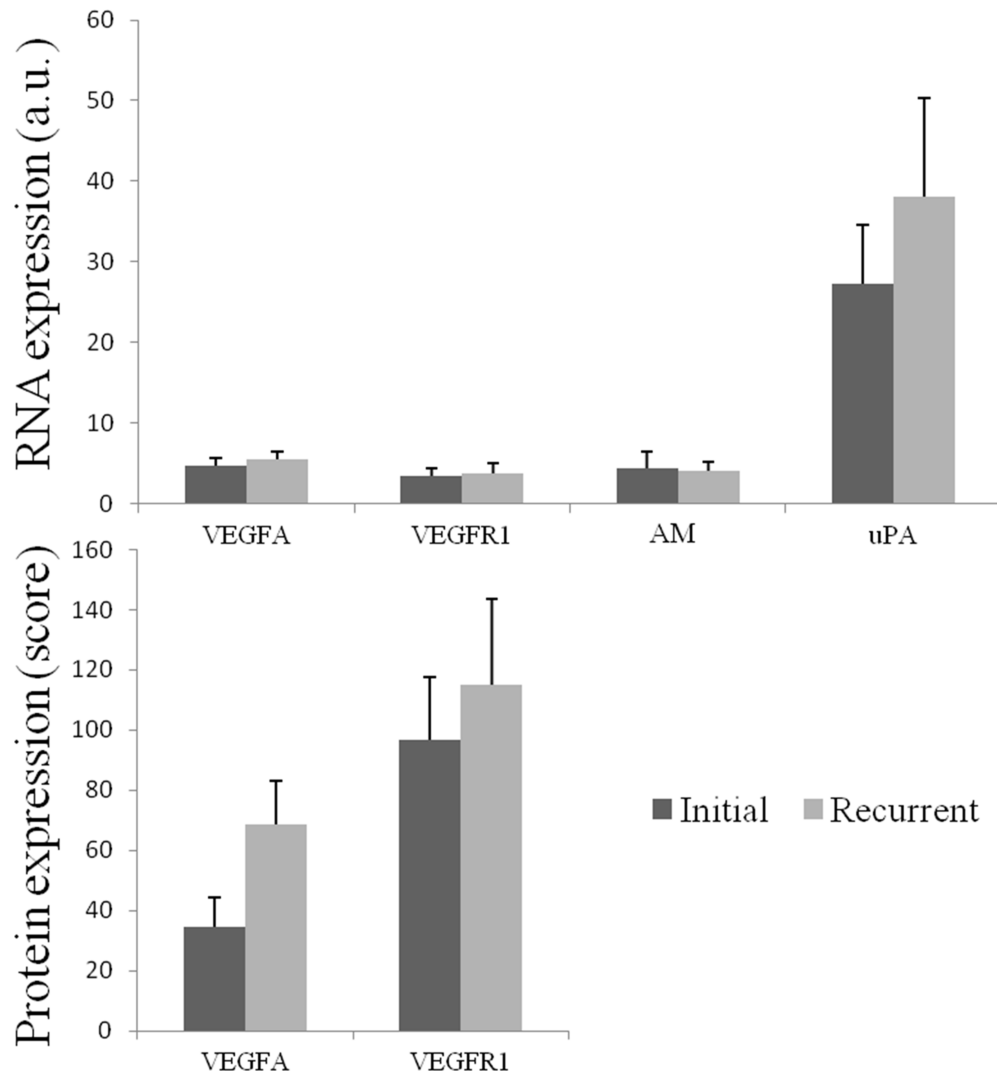


SUPPLEMENTARY FIGURE AND TABLES



Supplementary Figure 1: Mean RNA expression, with standard error of mean, of *VEGFA*, *VEGFR1*, *AM* and *uPA* in initial (dark grey) and recurrent tumors (light grey). a.u.: arbitrary unit: quantitative ratio of tumor expression/control tissue (normal brain) expression. Protein expression of *VEGFA* and *VEGFR1* in initial and recurrent paired tumors.

Supplementary Table 1: Primer sequences and conditions

Gene Name	Sequences	Conditions
<i>VEGFA</i>	S : 5'-AGGAGGAGGGCAGAATCATCA-3' AS : 5'-AGGGTCTCGATTGGATGGC-3'	95°C 15s ; 66°C 30s
<i>VEGFR1</i>	S : 5'-GAACCCCGATTATGTGAGAAA-3' AS : 5'-GATAGATTTCGGGAGCCATCC-3'	95°C 15s ; 65°C 30s
<i>VEGFR2</i>	S : 5'-AACATTTGGGAAATCTCTTGC-3' AS : 5'-GGAAGAACAATGTAGTCTTT-3'	95°C 15s ; 65°C 30s
<i>AM</i>	S : 5'-TGCCCAGACCCTTATTCGG-3' AS : 5'-AGTTGTTTCATGCTCTGGCGG-3'	95°C 15s ; 67°C 30s
<i>CXCL12</i>	S : 5'-CGATTCTTCGAAAGCCATGT-3' AS : 5'-TTGTCTGTTGTTGTTCTTCAGC-3'	95°C 15s ; 65°C 30s
<i>CXCR4</i>	S : 5'-AGGATATAATGAAGTCACTATGGGAAA-3' AS : 5'-AAGGGCACAAAGAGAATTAATGTAGA-3'	95°C 15s ; 62°C 30s
<i>HIF1 α</i>	S : 5'-AAGGAACCTGATGCTTTAACTTTG-3' AS : 5'-TGGTCATCAGTTTCTGTGTGTCG-3'	95°C 15s ; 65°C 30s
<i>UPA</i>	S : 5'-CTTAACTCCAACACGCAAGGGG-3' AS : 5'-AGCTTGTGCCAAACTGGGGATC-3'	95°C 15s ; 65°C 30s
<i>GAPDH</i>	S : 5'-CAAATTCATGGCACCGTC-3' AS : 5'-CCCCTTGATTTTGGAGGGA-3'	95°C 15s ; 65°C 30s
<i>β-ACTINE</i>	S : 5'-CCACACTGTGCCCATCTACG-3' AS : 5'-AGGATCTTCATGAGGTAGTCAGTCAG-3'	95°C 15s ; 65°C 30s
<i>18S</i>	S : 5'-CTACCACATCCAAGGAAGGCA-3' AS : 5'-TTTTTCGTCACTACCTCCCCG-3'	95°C 15s ; 67°C 30s

Supplementary Table 2: Mean RNA expressions and standard error of the mean at initial diagnosis and recurrence

	Initial diagnosis		Recidive	
	Mean	Std Error	Mean	Std Error
VEGFR2	2154	354	1547	288
HIF1 α	208	25	154	17
CXCL12	179	33	469	185
CXCR4	480	112	726	168
VEGFA	467	103	557	93
VEGFR1	348	91	378	125
ADM	449	195	414	109
uPA	2735	724	3803	1235

Supplementary Table 3: Continuous correlation between RNA expression and median iniOS. Cut-off determined by receiver operating characteristic analysis

Factor	Initial Median OS (<i>p value</i>)	Cut-off
CXCR4	0,130	
CXCL12	0,098	70,6
uPA	0,058	250,7
HIF1 α	0,156	
VEGFA	0,354	
VEGFR2	0,009	792,6
VEGFR1	0,093	169,2
AM	0,252	

Supplementary Table 4: Potential predictive value of RNA expression levels for bevacizumab activity at recurrence

Markers for bevacizumab activity prediction	Recurrent PFS	Recurrent OS
Initial VEGFA		
High	0,783	0,413
Low	0,674	0,251
Recurrent VEGFA		
High	0,234	0,215
Low	0,442	0,442
Initial VEGFR2		
High	0,934	0,941
Low	0,382	0,240
Recurrent VEGFR2		
High	0,358	0,041
Low	0,150	0,046