

Samples					
Sample ID	Src Name	Matched Normal sample Id	Disease Category	Tissue Diagnosis	Whole exome sequencing (WES)
86336	HF-1327	87321	Colorectal Cancer	Adenocarcinoma	
94592	HF-17829-(2)	94591	Colorectal Cancer	Adenocarcinoma	
95504	HF-18430-(1)	95508	Colorectal Cancer	Adenocarcinoma	
95735	HF-18040-(1)	95739	Colorectal Cancer	Adenocarcinoma	
96115	HF-18138-(1)	96119	Colorectal Cancer	Adenocarcinoma	yes
96157	HF-18152-(1)	96161	Colorectal Cancer	Adenocarcinoma	yes
96391	HF-18172-(1)	96395	Colorectal Cancer	Adenocarcinoma	yes
96445	HF-18190-(1)	96449	Colorectal Cancer	Adenocarcinoma	yes
96562	HF-18454-(1)	96566	Colorectal Cancer	Adenocarcinoma	
96737	HF-18500-(1)	96741	Colorectal Cancer	Adenocarcinoma	yes
101763	HF-17944-(1)	101761	Colorectal Cancer	Adenocarcinoma	yes
94200	HF-17545-(1)	94190	Gastric Cancer	Adenocarcinoma Intestinal	
101592	HF-20325-(1)	101590	Gastric Cancer	Adenocarcinoma Intestinal	
86582	HF-15220-(1)	86927	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100695	HF-19917-(1)	100693	Non-Small Cell Lung Cancer	Adenocarcinoma	
86337	HF-1480	87322	Colorectal Cancer	Adenocarcinoma	
86337	HF-1480	87322	Colorectal Cancer	Adenocarcinoma	
86337	HF-1480	87322	Colorectal Cancer	Adenocarcinoma	
86341	HF-2468	87326	Colorectal Cancer	Adenocarcinoma	
86342	HF-2525	87327	Colorectal Cancer	Adenocarcinoma	
86343	HF-3446	87328	Colorectal Cancer	Adenocarcinoma	
86345	HF-3602	87330	Colorectal Cancer	Adenocarcinoma	
95147	HF-17899-(1)	95146	Colorectal Cancer	Adenocarcinoma	yes
95165	HF-17930-(1)	95164	Colorectal Cancer	Adenocarcinoma	yes

FIG. 1

95356	HF-18263-(1)	95354	Colorectal Cancer	Adenocarcinoma	
95362	HF-18277-(1)	95360	Colorectal Cancer	Adenocarcinoma	yes
95374	HF-18295-(1)	95372	Colorectal Cancer	Adenocarcinoma	yes
95498	HF-18428-(1)	95502	Colorectal Cancer	Adenocarcinoma	yes
95669	HF-18026-(1)	95673	Colorectal Cancer	Adenocarcinoma	yes
95681	HF-18030-(1)	95685	Colorectal Cancer	Adenocarcinoma	yes
95687	HF-18032-(1)	95691	Colorectal Cancer	Adenocarcinoma	yes
95699	HF-18036-(1)	95703	Colorectal Cancer	Adenocarcinoma	yes
95729	HF-17998-(1)	95733	Colorectal Cancer	Adenocarcinoma	yes
95956	HF-18092-(1)	95960	Colorectal Cancer	Adenocarcinoma	
96121	HF-18140-(1)	96125	Colorectal Cancer	Adenocarcinoma	yes
96139	HF-18146-(1)	96143	Colorectal Cancer	Adenocarcinoma	
96145	HF-18148-(1)	96149	Colorectal Cancer	Adenocarcinoma	yes
96205	HF-18158-(1)	96209	Colorectal Cancer	Adenocarcinoma	
96496	HF-18198-(1)	96500	Colorectal Cancer	Adenocarcinoma	yes
96630	HF-18470-(1)	96634	Colorectal Cancer	Adenocarcinoma	yes
96654	HF-18478-(1)	96658	Colorectal Cancer	Adenocarcinoma	yes
96689	HF-18418-(1)	96693	Colorectal Cancer	Adenocarcinoma	yes
96719	HF-18494-(1)	96723	Colorectal Cancer	Adenocarcinoma	yes
96725	HF-18496-(1)	96729	Colorectal Cancer	Adenocarcinoma	yes
96767	HF-18512-(1)	96771	Colorectal Cancer	Adenocarcinoma	yes
96876	HF-18550-(1)	96880	Colorectal Cancer	Adenocarcinoma	yes
96951	HF-18572-(1)	96955	Colorectal Cancer	Adenocarcinoma	yes

FIG. 1
(Cont'd)

97041	HF-18596-(1)	97045	Colorectal Cancer	Adenocarcinoma	yes
97059	HF-18602-(1)	97063	Colorectal Cancer	Adenocarcinoma	yes
97075	HF-18604-(1)	97079	Colorectal Cancer	Adenocarcinoma	yes
97101	HF-18612-(1)	97105	Colorectal Cancer	Adenocarcinoma	yes
97458	HF-18301-(1)	97456	Colorectal Cancer	Adenocarcinoma	
97509	HF-17958-(1)	97507	Colorectal Cancer	Adenocarcinoma	yes
97672	HF-18319-(1)	97670	Colorectal Cancer	Adenocarcinoma	yes
97938	HF-18315-(1)	97936	Colorectal Cancer	Adenocarcinoma	yes
97944	HF-18359-(1)	97942	Colorectal Cancer	Adenocarcinoma	
97950	HF-18361-(1)	97948	Colorectal Cancer	Adenocarcinoma	
98491	HF-18824-(1)	98489	Colorectal Cancer	Adenocarcinoma	yes
101775	HF-18267-(1)	101773	Colorectal Cancer	Adenocarcinoma	yes
101787	HF-18281-(1)	101785	Colorectal Cancer	Adenocarcinoma	yes
101886	HF-20391-(1)	101884	Colorectal Cancer	Adenocarcinoma	yes
86339	HF-2400	87324	Colorectal Cancer	Adenocarcinoma	
86340	HF-2408	87325	Colorectal Cancer	Adenocarcinoma	
95149	HF-17903-(1)	95148	Colorectal Cancer	Adenocarcinoma	
95221	HF-17942-(1)	95219	Colorectal Cancer	Adenocarcinoma	
95462	HF-18339-(1)	95460	Colorectal Cancer	Adenocarcinoma	
95595	HF-18006-(1)	95599	Colorectal Cancer	Adenocarcinoma	
95705	HF-18038-(1)	95709	Colorectal Cancer	Adenocarcinoma	yes
95717	HF-17994-(1)	95721	Colorectal Cancer	Adenocarcinoma	yes
95753	HF-18046-(1)	95757	Colorectal Cancer	Adenocarcinoma	yes
95897	HF-18074-(1)	95901	Colorectal Cancer	Adenocarcinoma	yes

FIG. 1
(Cont'd)

95909	HF-18078-(1)	95913	Colorectal Cancer	Adenocarcinoma	
96056	HF-18118-(1)	96060	Colorectal Cancer	Adenocarcinoma	
96241	HF-18170-(1)	96245	Colorectal Cancer	Adenocarcinoma	yes
96409	HF-18178-(1)	96413	Colorectal Cancer	Adenocarcinoma	
96502	HF-18434-(1)	96506	Colorectal Cancer	Adenocarcinoma	yes
96514	HF-18438-(1)	96518	Colorectal Cancer	Adenocarcinoma	
96618	HF-18466-(1)	96622	Colorectal Cancer	Adenocarcinoma	yes
96624	HF-18468-(1)	96628	Colorectal Cancer	Adenocarcinoma	yes
96672	HF-18484-(1)	96676	Colorectal Cancer	Adenocarcinoma	yes
96791	HF-18520-(1)	96795	Colorectal Cancer	Adenocarcinoma	yes
96810	HF-18528-(1)	96814	Colorectal Cancer	Adenocarcinoma	yes
96828	HF-18534-(1)	96832	Colorectal Cancer	Adenocarcinoma	yes
96894	HF-18556-(1)	96898	Colorectal Cancer	Adenocarcinoma	yes
96918	HF-18564-(1)	96922	Colorectal Cancer	Adenocarcinoma	yes
96945	HF-18570-(1)	96949	Colorectal Cancer	Adenocarcinoma	yes
96963	HF-18576-(1)	96967	Colorectal Cancer	Adenocarcinoma	
96969	HF-18578-(1)	96973	Colorectal Cancer	Adenocarcinoma	yes
97005	HF-18504-(1)	97009	Colorectal Cancer	Adenocarcinoma	yes
97047	HF-18598-(1)	97051	Colorectal Cancer	Adenocarcinoma	yes
97053	HF-18600-(1)	97057	Colorectal Cancer	Adenocarcinoma Mucinous	yes
97636	HF-17909-(1)	97634	Colorectal Cancer	Adenocarcinoma	yes
97932	HF-18285-(1)	97930	Colorectal Cancer	Adenocarcinoma	yes
97968	HF-18796-(1)	97966	Colorectal Cancer	Adenocarcinoma	yes

FIG. 1
(Cont'd)

98083	HF-18253-(1)	98079	Colorectal Cancer	Adenocarcinoma	
98107	HF-18323-(1)	98103	Colorectal Cancer	Adenocarcinoma	yes
98123	HF-18327-(1)	98119	Colorectal Cancer	Adenocarcinoma	yes
98473	HF-18818-(1)	98471	Colorectal Cancer	Adenocarcinoma	yes
101904	HF-20397-(1)	101902	Colorectal Cancer	Adenocarcinoma	yes
101910	HF-20399-(1)	101908	Colorectal Cancer	Adenocarcinoma	
101922	HF-20403-(1)	101920	Colorectal Cancer	Adenocarcinoma	yes
101988	HF-20385-(1)	101986	Colorectal Cancer	Adenocarcinoma	yes
103183	HF-20411-(1)	103181	Colorectal Cancer	Adenocarcinoma	yes
88024	HF-7083-(1)	88023	Esophageal Cancer	Adenocarcinoma	
88026	HF-7969-(1)	88025	Esophageal Cancer	Adenocarcinoma	
88028	HF-8020-(1)	88027	Esophageal Cancer	Adenocarcinoma	
88173	HF-9229-(1)	88172	Esophageal Cancer	Adenocarcinoma	
88175	HF-16285-(1)	88174	Esophageal Cancer	Carcinoma Squamous Cell	
94018	HF-6467-(1)	94017	Esophageal Cancer	Adenocarcinoma	
94020	HF-6966-(1)	94019	Esophageal Cancer	Adenocarcinoma	
94021	HF-7046-(1)	94022	Esophageal Cancer	Adenocarcinoma	
94024	HF-7063-(1)	94023	Esophageal Cancer	Adenocarcinoma	
98623	HF-17232-(1)	98626	Esophageal Cancer	Adenocarcinoma	
98646	HF-18367-(1)	98644	Esophageal Cancer	Carcinoma	
99093	HF-19089-(1)	99091	Esophageal Cancer	Carcinoma	
100663	HF-19429-(1)	100667	Esophageal Cancer	Carcinoma	
101450	HF-20081-(1)	101448	Esophageal Cancer	Carcinoma Squamous Cell	

FIG. 1
(Cont'd)

101474	HF-20333-(1)	101472	Esophageal Cancer	Carcinoma Squamous Cell	
92180	HF-17152-(1)	92188	Gastric Cancer	Adenocarcinoma Diffuse	
94203	HF-17546-(1)	94191	Gastric Cancer	Adenocarcinoma Intestinal	
94383	HF-17266-(1)	94386	Gastric Cancer	Adenocarcinoma Intestinal	
94420	HF-17579-(1)	94419	Gastric Cancer	Adenocarcinoma Intestinal	
94432	HF-17699-(1)	94431	Gastric Cancer	Adenocarcinoma Intestinal	
94472	HF-17566-(1)	94471	Gastric Cancer	Adenocarcinoma Intestinal	
98433	HF-18840-(1)	98431	Gastric Cancer	Adenocarcinoma Intestinal	
98439	HF-18842-(1)	98437	Gastric Cancer	Adenocarcinoma Intestinal	
98982	HF-19113-(1)	98980	Gastric Cancer	Adenocarcinoma Intestinal	
101574	HF-20319-(1)	101572	Gastric Cancer	Adenocarcinoma Intestinal	
101598	HF-20327-(1)	101596	Gastric Cancer	Adenocarcinoma Intestinal	
92175	HF-17145-(1)	92184	Gastric Cancer	Adenocarcinoma Diffuse	
92192	HF-17240-(1)	92193	Gastric Cancer	Adenocarcinoma Diffuse	
94218	HF-17551-(1)	94196	Gastric Cancer	Adenocarcinoma Intestinal	
94227	HF-17554-(1)	94199	Gastric Cancer	Adenocarcinoma Diffuse	
94263	HF-17159-(1)	94266	Gastric Cancer	Adenocarcinoma Diffuse	
94303	HF-17188-(1)	94306	Gastric Cancer	Adenocarcinoma Diffuse	
94307	HF-17189-(1)	94310	Gastric Cancer	Adenocarcinoma Diffuse	
94315	HF-17197-(1)	94318	Gastric Cancer	Adenocarcinoma Diffuse	
97696	HF-18844-(1)	97694	Gastric Cancer	Adenocarcinoma Intestinal	
97708	HF-18848-(1)	97706	Gastric Cancer	Adenocarcinoma Intestinal	
97714	HF-18850-(1)	97712	Gastric Cancer	Adenocarcinoma Intestinal	

FIG. 1
(Cont'd)

98204	HF-17945-(1)	98208	Gastric Cancer	Adenocarcinoma Intestinal	
98248	HF-18377-(1)	98246	Gastric Cancer	Adenocarcinoma Diffuse	
98409	HF-18832-(1)	98407	Gastric Cancer	Adenocarcinoma Diffuse	
98427	HF-18838-(1)	98425	Gastric Cancer	Adenocarcinoma Diffuse	
98964	HF-19107-(1)	98962	Gastric Cancer	Adenocarcinoma Intestinal	
99935	HF-19354-(1)	99939	Gastric Cancer	Adenocarcinoma Diffuse	
100003	HF-20021-(1)	100001	Gastric Cancer	Adenocarcinoma Diffuse	
100543	HF-19412-(1)	100547	Gastric Cancer	Adenocarcinoma Intestinal	
100549	HF-19437-(1)	100553	Gastric Cancer	Adenocarcinoma Intestinal	
91925	HF-17225-(1)	91928	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
88167	HF-16443	88168	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
88170	HF-16920	88169	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
89942	HF-17078-(1)	91910	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
91913	HF-17079-(1)	91916	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
91919	HF-17224-(1)	91922	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
91931	HF-17229-(1)	91934	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
91937	HF-17268-(1)	91940	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
98747	HF-17493-(1)	98746	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
98751	HF-17499-(1)	98750	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
98755	HF-17592-(1)	98754	Hepatocellular Carcinoma	Carcinoma Hepatocellular	
86795	HF-15545-(1)	87704	Lung Cancer, Other	Carcinoma Neuroendocrine	
88122	HF-16884	88121	Melanoma	Melanoma	
88124	HF-16888	88123	Melanoma	Melanoma	
88126	HF-16890	88125	Melanoma	Melanoma	
88128	HF-16892	88127	Melanoma	Melanoma	

FIG. 1
(Cont'd)

91780	HF-16922-(1)	91779	Melanoma	Melanoma	
91816	HF-17686-(1)	91815	Melanoma	Melanoma	
91818	HF-17687-(1)	91817	Melanoma	Melanoma	
91820	HF-17688-(1)	91819	Melanoma	Melanoma	
91822	HF-17689-(1)	97144	Melanoma	Melanoma	
91824	HF-17690-(1)	91823	Melanoma	Melanoma	
95283	HF-18230-(1)	95286	Melanoma	Melanoma	
95288	HF-18233-(1)	95291	Melanoma	Melanoma	
97775	HF-18686-(1)	97779	Melanoma	Melanoma	
97781	HF-18689-(1)	97785	Melanoma	Melanoma	
97805	HF-18719-(1)	97809	Melanoma	Melanoma	
97856	HF-18787-(1)	97848	Melanoma	Melanoma	
97864	HF-18789-(1)	97852	Melanoma	Melanoma	
97868	HF-18790-(1)	97854	Melanoma	Melanoma	
97884	HF-18882-(1)	97888	Melanoma	Melanoma	
97890	HF-18884-(1)	97894	Melanoma	Melanoma	
97896	HF-18886-(1)	97900	Melanoma	Melanoma	
99878	HF-19011-(1)	99882	Melanoma	Melanoma	
101504	HF-20337-(1)	101502	Melanoma	Melanoma	
101516	HF-20341-(1)	101514	Melanoma	Melanoma	
88130	HF-16894	88129	Melanoma	Melanoma	
88131	HF-16873	88132	Melanoma	Melanoma	
91812	HF-17684-(1)	91811	Melanoma	Melanoma	
91826	HF-17691-(1)	91825	Melanoma	Melanoma	

FIG. 1
(Cont'd)

95305	HF-18385-(1)	108057	Melanoma	Melanoma	
97793	HF-18713-(1)	97797	Melanoma	Melanoma	
97844	HF-18782-(1)	97842	Melanoma	Melanoma	
97860	HF-18788-(1)	97850	Melanoma	Melanoma	
99125	HF-19099-(1)	99123	Melanoma	Melanoma	
99852	HF-18692-(1)	99855	Melanoma	Melanoma	
99871	HF-19008-(1)	99875	Melanoma	Melanoma	
101486	HF-20013-(1)	101484	Melanoma	Melanoma	
101498	HF-20335-(1)	101496	Melanoma	Melanoma	
86318	HF-11765	87234	Non-Small Cell Lung Cancer	Adenocarcinoma	
86327	HF-11754	87229	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
86501	HF-11731	87221	Non-Small Cell Lung Cancer	Adenocarcinoma	
86503	HF-11734	87223	Non-Small Cell Lung Cancer	Adenocarcinoma	
86506	HF-11743	87226	Non-Small Cell Lung Cancer	Adenocarcinoma	
86507	HF-11744	87694	Non-Small Cell Lung Cancer	Adenocarcinoma	
86507	HF-11744	87694	Non-Small Cell Lung Cancer	Adenocarcinoma	
86507	HF-11744	87694	Non-Small Cell Lung Cancer	Adenocarcinoma	
86564	HF-4810-(1)	86858	Non-Small Cell Lung Cancer	Adenocarcinoma	
86570	HF-3711-(1)	86855	Non-Small Cell Lung Cancer	Adenocarcinoma	
86578	HF-8025	87238	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86583	HF-15224-(1)	86928	Non-Small Cell Lung Cancer	Adenocarcinoma	
86748	HF-15355-(1)	87236	Non-Small Cell Lung Cancer	Adenocarcinoma	
86751	HF-11757-(2)	87695	Non-Small Cell Lung Cancer	Adenocarcinoma	
86770	HF-15217	86925	Non-Small Cell Lung Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

86775	HF-15515-(1)	87405	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86783	HF-15533-(1)	87415	Non-Small Cell Lung Cancer	Adenocarcinoma	
86786	HF-15539-(1)	87418	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86789	HF-15567-(1)	87428	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
86790	HF-15570-(1)	87429	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86792	HF-15505-(1)	87430	Non-Small Cell Lung Cancer	Adenocarcinoma	
86796	HF-15546-(1)	87421	Non-Small Cell Lung Cancer	Adenocarcinoma	
86796	HF-15546-(1)	87421	Non-Small Cell Lung Cancer	Adenocarcinoma	
86796	HF-15546-(1)	87421	Non-Small Cell Lung Cancer	Adenocarcinoma	
86798	HF-15549-(1)	87423	Non-Small Cell Lung Cancer	Adenocarcinoma	
86316	HF-11756	87230	Non-Small Cell Lung Cancer	Adenocarcinoma	
86319	HF-11766	87696	Non-Small Cell Lung Cancer	Adenocarcinoma	
86320	HF-11770	86842	Non-Small Cell Lung Cancer	Adenocarcinoma	
86321	HF-11772	86844	Non-Small Cell Lung Cancer	Adenocarcinoma	
86322	HF-11776	86846	Non-Small Cell Lung Cancer	Adenocarcinoma	
86324	HF-11782	86848	Non-Small Cell Lung Cancer	Adenocarcinoma	
86325	HF-11751	87227	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86326	HF-11752	87228	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86328	HF-11758	87231	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86329	HF-11763	87233	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86330	HF-11767	87235	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
86331	HF-11771	86843	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86332	HF-11780	86847	Non-Small Cell Lung Cancer	Carcinoma Large Cell	

FIG. 1
(Cont'd)

86333	HF-11783	86849	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
86334	HF-11785	86850	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86502	HF-11732	87222	Non-Small Cell Lung Cancer	Adenocarcinoma	
86504	HF-11737	87224	Non-Small Cell Lung Cancer	Adenocarcinoma	
86505	HF-11739	87225	Non-Small Cell Lung Cancer	Adenocarcinoma	
86563	HF-3043-(1)	86852	Non-Small Cell Lung Cancer	Adenocarcinoma	
86565	HF-5158-(1)	86859	Non-Small Cell Lung Cancer	Adenocarcinoma	
86566	HF-8890-(1)	86862	Non-Small Cell Lung Cancer	Adenocarcinoma	
86567	HF-9390-(1)	86864	Non-Small Cell Lung Cancer	Adenocarcinoma	
86568	HF-3703-(1)	86853	Non-Small Cell Lung Cancer	Adenocarcinoma	
86569	HF-3705-(1)	86854	Non-Small Cell Lung Cancer	Adenocarcinoma	
86571	HF-3718-(1)	86856	Non-Small Cell Lung Cancer	Adenocarcinoma	
86572	HF-4527-(1)	86857	Non-Small Cell Lung Cancer	Adenocarcinoma	
86576	HF-5171	86860	Non-Small Cell Lung Cancer	Adenocarcinoma	
86579	HF-15212-(1)	86922	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86580	HF-15215-(1)	86924	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86581	HF-15218-(1)	86926	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86584	HF-15227-(1)	86929	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86586	HF-15231-(1)	86932	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86587	HF-15233-(1)	86933	Non-Small Cell Lung Cancer	Adenocarcinoma	
86590	HF-15237-(1)	86934	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86591	HF-15240-(1)	86935	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86752	HF-11769-(2)	87697	Non-Small Cell Lung Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

86753	HF-11775-(2)	86845	Non-Small Cell Lung Cancer	Adenocarcinoma	
86769	HF-15213	86923	Non-Small Cell Lung Cancer	Adenocarcinoma	
86771	HF-15228	86930	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86772	HF-15506-(1)	87402	Non-Small Cell Lung Cancer	Adenocarcinoma	
86773	HF-15511-(1)	87403	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86774	HF-15512-(1)	87404	Non-Small Cell Lung Cancer	Adenocarcinoma Mucinous	
86776	HF-15516-(1)	87406	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86782	HF-15527-(1)	87414	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86784	HF-15534-(1)	87416	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86785	HF-15535-(1)	87417	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86791	HF-15541-(1)	87419	Non-Small Cell Lung Cancer	Adenocarcinoma	
86794	HF-15523-(1)	87411	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86797	HF-15547-(1)	87422	Non-Small Cell Lung Cancer	Adenocarcinoma	
86799	HF-15558-(1)	87424	Non-Small Cell Lung Cancer	Adenocarcinoma	
86800	HF-15559-(1)	87425	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86801	HF-15560-(1)	87426	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86802	HF-15561-(1)	87427	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86803	HF-15563-(1)	87705	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86835	HF-15576-(1)	97838	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86839	HF-15598-(1)	87699	Non-Small Cell Lung Cancer	Adenocarcinoma	
86778	HF-15521-(1)	87409	Non-Small Cell Lung Cancer	Adenocarcinoma	
86779	HF-15522-(1)	87410	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
94671	HF-15894-(1)	106531	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
94699	HF-15901-(1)	106533	Non-Small Cell Lung Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

94795	HF-15928-(1)	106537	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
98019	HF-15878-(1)	106529	Non-Small Cell Lung Cancer	Adenocarcinoma	
98860	HF-18620-(1)	98864	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
98896	HF-18632-(1)	98900	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
100615	HF-19424-(1)	100619	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100627	HF-19441-(1)	100631	Non-Small Cell Lung Cancer	Adenocarcinoma	
100641	HF-19967-(1)	100639	Non-Small Cell Lung Cancer	Adenocarcinoma	
101043	HF-20009-(1)	101041	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
101213	HF-20138-(1)	101217	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
101286	HF-20122-(1)	101290	Non-Small Cell Lung Cancer	Adenocarcinoma	
101359	HF-20166-(1)	101363	Non-Small Cell Lung Cancer	Adenocarcinoma	
101384	HF-20174-(1)	101388	Non-Small Cell Lung Cancer	Adenocarcinoma	
101668	HF-20305-(1)	101666	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
103001	HF-20502-(1)	103005	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86323	HF-11779	105597	Non-Small Cell Lung Cancer	Adenocarcinoma	
86575	HF-2130	86851	Non-Small Cell Lung Cancer	Adenocarcinoma	
86585	HF-15230-(1)	86931	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86588	HF-15234-(1)	87698	Non-Small Cell Lung Cancer	Adenocarcinoma	
86749	HF-15358-(1)	87237	Non-Small Cell Lung Cancer	Adenocarcinoma Bronchioloalveolar	
86777	HF-15520-(1)	87408	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86780	HF-15525-(1)	87412	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86781	HF-15526-(1)	87413	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86787	HF-15540-(1)	87703	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
86788	HF-15542-(1)	87420	Non-Small Cell Lung Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

86793	HF-15519-(1)	87407	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
87967	HF-15503-(1)	87968	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
87969	HF-15487-(1)	87970	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
87971	HF-15479-(1)	87972	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
88177	HF-16076-(1)	88176	Non-Small Cell Lung Cancer	Other	
89960	HF-15476-(1)	89958	Non-Small Cell Lung Cancer	Adenocarcinoma	
94675	HF-15895-(1)	106532	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
94759	HF-15854-(1)	106541	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
98004	HF-15912-(1)	106535	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
98007	HF-15913-(1)	106536	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
98010	HF-15850-(1)	106528	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
98681	HF-18664-(1)	98685	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
98850	HF-18407-(1)	98848	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
98884	HF-18628-(1)	98888	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
99277	HF-18639-(1)	99273	Non-Small Cell Lung Cancer	Other	
99283	HF-18643-(1)	99281	Non-Small Cell Lung Cancer	Other	
99319	HF-18655-(1)	99311	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100635	HF-19913-(1)	100633	Non-Small Cell Lung Cancer	Adenocarcinoma	
100683	HF-19911-(1)	100681	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100701	HF-19919-(1)	100699	Non-Small Cell Lung Cancer	Adenocarcinoma	
100739	HF-19931-(1)	100737	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100751	HF-19935-(1)	100749	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100783	HF-19945-(1)	100781	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	

FIG. 1
(Cont'd)

100789	HF-19947-(1)	100787	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100831	HF-19953-(1)	100829	Non-Small Cell Lung Cancer	Adenocarcinoma	
100837	HF-19955-(1)	100835	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
100849	HF-19959-(1)	100847	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100867	HF-19965-(1)	100865	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100879	HF-19973-(1)	100877	Non-Small Cell Lung Cancer	Adenocarcinoma	
100918	HF-19977-(1)	100916	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
100960	HF-19991-(1)	100958	Non-Small Cell Lung Cancer	Adenocarcinoma	
101007	HF-19995-(1)	101005	Non-Small Cell Lung Cancer	Adenocarcinoma Mucinous	
101037	HF-20007-(1)	101035	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
101119	HF-19907-(1)	101117	Non-Small Cell Lung Cancer	Adenocarcinoma	
101125	HF-20005-(1)	101123	Non-Small Cell Lung Cancer	Adenocarcinoma	
101189	HF-20130-(1)	101193	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
101201	HF-20134-(1)	101205	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
101225	HF-20142-(1)	101229	Non-Small Cell Lung Cancer	Adenocarcinoma	
101317	HF-20152-(1)	101321	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
101335	HF-20158-(1)	101339	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
101704	HF-20317-(1)	101702	Non-Small Cell Lung Cancer	Adenocarcinoma	
101714	HF-20348-(1)	101718	Non-Small Cell Lung Cancer	Adenocarcinoma	
102004	HF-16447-(1)	102008	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
103044	HF-20520-(1)	103048	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
103082	HF-20516-(1)	103086	Non-Small Cell Lung Cancer	Carcinoma Large Cell	
103591	HF-20701-(1)	103590	Non-Small Cell Lung Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

103599	HF-20705-(1)	103598	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
103603	HF-20707-(1)	103602	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
103645	HF-20697-(1)	103643	Non-Small Cell Lung Cancer	Adenocarcinoma	
103651	HF-20699-(1)	103649	Non-Small Cell Lung Cancer	Carcinoma Squamous Cell	
90563	HF-17060-(1)	90566	Ovarian Cancer	Adenocarcinoma Endometrioid	
92119	HF-16150-(1)	92118	Ovarian Cancer	Adenocarcinoma Serous	
92124	HF-16277-(1)	92122	Ovarian Cancer	Adenocarcinoma Serous	
98164	HF-18393-(1)	98162	Ovarian Cancer	Adenocarcinoma	
98598	HF-18770-(1)	98596	Ovarian Cancer	Adenocarcinoma Serous	
88013	HF-16897-(1)	88014	Ovarian Cancer	Adenocarcinoma Endometrioid	
88015	HF-16899-(1)	88019	Ovarian Cancer	Adenocarcinoma Serous	
88016	HF-16901-(1)	88020	Ovarian Cancer	Adenocarcinoma Serous	
88017	HF-16902-(1)	88021	Ovarian Cancer	Adenocarcinoma Endometrioid	
88018	HF-16903-(1)	88022	Ovarian Cancer	Adenocarcinoma Serous	
90528	HF-17525-(1)	90527	Ovarian Cancer	Adenocarcinoma Serous	
90540	HF-17528-(1)	90539	Ovarian Cancer	Adenocarcinoma Serous	
90552	HF-17531-(1)	90551	Ovarian Cancer	Adenocarcinoma Endometrioid	
90574	HF-17532-(1)	90571	Ovarian Cancer	Adenocarcinoma Endometrioid	
92121	HF-16154-(1)	92120	Ovarian Cancer	Adenocarcinoma Serous	
92125	HF-16280-(1)	92123	Ovarian Cancer	Adenocarcinoma Serous	
92439	HF-17778-(1)	92440	Ovarian Cancer	Adenocarcinoma Serous	
92441	HF-17780-(1)	92442	Ovarian Cancer	Adenocarcinoma Serous	
92445	HF-17786-(1)	92446	Ovarian Cancer	Adenocarcinoma Serous	

FIG. 1
(Cont'd)

92447	HF-17788-(1)	92448	Ovarian Cancer	Adenocarcinoma Serous	
98170	HF-18395-(1)	98168	Ovarian Cancer	Adenocarcinoma Serous	
98188	HF-18401-(1)	98186	Ovarian Cancer	Adenocarcinoma Serous	
98200	HF-18405-(1)	98198	Ovarian Cancer	Adenocarcinoma Serous	
98561	HF-17782-(1)	98564	Ovarian Cancer	Adenocarcinoma Serous	
98586	HF-18389-(1)	98584	Ovarian Cancer	Adenocarcinoma Serous	
98610	HF-18774-(1)	98608	Ovarian Cancer	Adenocarcinoma Papillary Serous	
99024	HF-19073-(1)	99022	Ovarian Cancer	Adenocarcinoma Serous	
99048	HF-19081-(1)	99046	Ovarian Cancer	Adenocarcinoma Serous	
99054	HF-19083-(1)	99052	Ovarian Cancer	Adenocarcinoma Serous	
100799	HF-19319-(1)	100803	Ovarian Cancer	Adenocarcinoma Serous	
100811	HF-19328-(1)	100815	Ovarian Cancer	Adenocarcinoma Serous	
100817	HF-19330-(1)	100821	Ovarian Cancer	Adenocarcinoma Serous	
88181	HF-16365-(1)	90270	Pancreatic Cancer	Adenocarcinoma	
87862	HF-3087-(1)	87861	Renal Cell Carcinoma	Carcinoma Renal Cell	
100434	HF-19435-(1)	100438	Renal Cell Carcinoma	Carcinoma Renal Cell	
100494	HF-20041-(1)	100492	Renal Cell Carcinoma	Carcinoma Renal Cell	
86367	HF-2179-(1)	90236	Renal Cell Carcinoma	Carcinoma Renal Cell	
86368	HF-3058-(1)	90237	Renal Cell Carcinoma	Carcinoma Renal Cell	
86369	HF-3455-(1)	90238	Renal Cell Carcinoma	Carcinoma Renal Cell	
87860	HF-3081-(1)	87859	Renal Cell Carcinoma	Carcinoma Renal Cell	
87864	HF-7279-(1)	87863	Renal Cell Carcinoma	Carcinoma Renal Cell	
87870	HF-7997-(1)	87869	Renal Cell Carcinoma	Carcinoma Renal Cell	

FIG. 1
(Cont'd)

87876	HF-9227-(1)	87875	Renal Cell Carcinoma	Carcinoma Renal Cell	
87977	HF-4328-(1)	87978	Renal Cell Carcinoma	Carcinoma Renal Cell	
87979	HF-4336-(1)	87980	Renal Cell Carcinoma	Carcinoma Renal Cell	
87987	HF-9479-(1)	87990	Renal Cell Carcinoma	Carcinoma Renal Cell	
89943	HF-8979-(2)	87877	Renal Cell Carcinoma	Carcinoma Renal Cell	
89944	HF-9159-(2)	87873	Renal Cell Carcinoma	Carcinoma Renal Cell	
90142	HF-6445-(1)	90139	Renal Cell Carcinoma	Carcinoma Renal Cell	
90160	HF-7010-(1)	90157	Renal Cell Carcinoma	Carcinoma Renal Cell	
90212	HF-8988-(2)	90210	Renal Cell Carcinoma	Carcinoma Renal Cell	
100388	HF-19301-(1)	100392	Renal Cell Carcinoma	Carcinoma Renal Cell	
100394	HF-19303-(1)	100398	Renal Cell Carcinoma	Carcinoma Renal Cell	
100400	HF-19305-(1)	100404	Renal Cell Carcinoma	Carcinoma Renal Cell	
100412	HF-19311-(1)	100416	Renal Cell Carcinoma	Carcinoma Renal Cell	
100428	HF-19317-(1)	100432	Renal Cell Carcinoma	Carcinoma Renal Cell	
100446	HF-20025-(1)	100445	Renal Cell Carcinoma	Carcinoma Renal Cell	
100452	HF-20027-(1)	100450	Renal Cell Carcinoma	Carcinoma Renal Cell	
100458	HF-20029-(1)	100456	Renal Cell Carcinoma	Carcinoma Renal Cell	
100563	HF-20069-(1)	100561	Renal Cell Carcinoma	Carcinoma Renal Cell	
100569	HF-20071-(1)	100567	Renal Cell Carcinoma	Carcinoma Renal Cell	
100575	HF-20073-(1)	100573	Renal Cell Carcinoma	Carcinoma Renal Cell	
100581	HF-20075-(1)	100579	Renal Cell Carcinoma	Carcinoma Renal Cell	
100587	HF-20077-(1)	100585	Renal Cell Carcinoma	Carcinoma Renal Cell	
100593	HF-20079-(1)	100591	Renal Cell Carcinoma	Carcinoma Renal Cell	

FIG. 1
(Cont'd)

102061	HF-20053-(1)	102048	Renal Cell Carcinoma	Carcinoma Renal Cell	
102095	HF-20061-(2)	102055	Renal Cell Carcinoma	Carcinoma Renal Cell	
102321	HF-20426-(1)	102325	Renal Cell Carcinoma	Carcinoma Renal Cell	
102333	HF-20430-(1)	102337	Renal Cell Carcinoma	Carcinoma Renal Cell	
102396	HF-20438-(1)	102400	Renal Cell Carcinoma	Carcinoma Renal Cell	
102402	HF-20441-(1)	102406	Renal Cell Carcinoma	Carcinoma Renal Cell	
102408	HF-20444-(1)	102426	Renal Cell Carcinoma	Carcinoma Renal Cell	
102743	HF-20462-(1)	102747	Renal Cell Carcinoma	Carcinoma Renal Cell	
102749	HF-20466-(1)	102753	Renal Cell Carcinoma	Carcinoma Renal Cell	
102773	HF-20490-(1)	102777	Renal Cell Carcinoma	Carcinoma Renal Cell	
102785	HF-20494-(1)	102789	Renal Cell Carcinoma	Carcinoma Renal Cell	
102828	HF-20472-(1)	102832	Renal Cell Carcinoma	Carcinoma Renal Cell	
102864	HF-20486-(1)	102868	Renal Cell Carcinoma	Carcinoma Renal Cell	
86457	HF-9739	87805	Small Cell Lung Cancer	Carcinoma Small Cell	
98687	HF-18666-(1)	98691	Small Cell Lung Cancer	Carcinoma Small Cell	
86448	HF-8740	87804	Small Cell Lung Cancer	Carcinoma Small Cell	
98711	HF-18694-(1)	98715	Small Cell Lung Cancer	Carcinoma Small Cell	
98717	HF-18696-(1)	98721	Small Cell Lung Cancer	Carcinoma Small Cell	
98735	HF-18702-(1)	98739	Small Cell Lung Cancer	Carcinoma Small Cell	
98741	HF-18704-(1)	98745	Small Cell Lung Cancer	Carcinoma Small Cell	
98759	HF-17693-(1)	98758	Small Cell Lung Cancer	Carcinoma Small Cell	
101626	HF-20291-(1)	101624	Small Cell Lung Cancer	Carcinoma Small Cell	
101644	HF-20297-(1)	101642	Small Cell Lung Cancer	Carcinoma Small Cell	

FIG. 1
(Cont'd)

101650	HF-20299-(1)	101648	Small Cell Lung Cancer	Carcinoma Small Cell	
103639	HF-20695-(1)	103637	Small Cell Lung Cancer	Carcinoma Small Cell	
94128	HF-17075-(1)	94130	Gastric Cancer	Adenocarcinoma	
94117	HF-17111-(1)	94123	Gastric Cancer	Adenocarcinoma	
94120	HF-17116-(1)	94126	Gastric Cancer	Adenocarcinoma	
94137	HF-17120-(1)	94145	Gastric Cancer	Adenocarcinoma	
94138	HF-17121-(1)	94146	Gastric Cancer	Adenocarcinoma	
92177	HF-17149-(1)	92185	Gastric Cancer	Adenocarcinoma	
94255	HF-17156-(1)	94258	Gastric Cancer	Adenocarcinoma	
94271	HF-17161-(1)	94274	Gastric Cancer	Adenocarcinoma	
98988	HF-19115-(1)		Gastric Cancer	Adenocarcinoma	
94073	HF-17064-(1)	94082	Gastric Cancer	Adenocarcinoma	
94074	HF-17065-(1)	94083	Gastric Cancer	Adenocarcinoma	
94327	HF-17186-(1)	94330	Gastric Cancer	Adenocarcinoma	
94331	HF-17190-(1)	94334	Gastric Cancer	Adenocarcinoma Intestinal	
94291	HF-17202-(1)	94294	Gastric Cancer	Adenocarcinoma	
94347	HF-17230-(1)	94350	Gastric Cancer	Adenocarcinoma	
94175	HF-17119-(1)	94178	Gastric Cancer	Adenocarcinoma	
92174	HF-17144-(1)	92182	Gastric Cancer	Adenocarcinoma Intestinal	
92176	HF-17147-(1)	92183	Gastric Cancer	Adenocarcinoma Intestinal	
94247	HF-17154-(1)	94250	Gastric Cancer	Adenocarcinoma	
94259	HF-17158-(1)	94262	Gastric Cancer	Adenocarcinoma	
94209	HF-17548-(1)	94193	Gastric Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

94444	HF-17581-(1)	588609	Gastric Cancer	Adenocarcinoma	
94416	HF-17573-(1)	94415	Gastric Cancer	Adenocarcinoma Intestinal	
94440	HF-17574-(1)	94439	Gastric Cancer	Adenocarcinoma Mucinous	
94408	HF-17495-(1)	588608	Gastric Cancer	Adenocarcinoma	
98216	HF-17975-(1)	98220	Gastric Cancer	Adenocarcinoma	
98260	HF-18381-(1)	98258	Gastric Cancer	Adenocarcinoma Intestinal	
98224	HF-18369-(1)	98222	Gastric Cancer	Adenocarcinoma	
98230	HF-18371-(1)	98228	Gastric Cancer	Adenocarcinoma Intestinal	
98236	HF-18373-(1)	98234	Gastric Cancer	Adenocarcinoma Intestinal	
98242	HF-18375-(1)	98240	Gastric Cancer	Adenocarcinoma	
98421	HF-18836-(1)	98419	Gastric Cancer	Adenocarcinoma Intestinal	
97726	HF-18854-(1)	97724	Gastric Cancer	Adenocarcinoma Intestinal	
99947	HF-19360-(1)	99951	Gastric Cancer	Adenocarcinoma	
100025	HF-19366-(1)	100029	Gastric Cancer	Adenocarcinoma	
100031	HF-19368-(1)	100035	Gastric Cancer	Adenocarcinoma	
100055	HF-19376-(1)	100059	Gastric Cancer	Adenocarcinoma	
99905	HF-19336-(1)	99907	Gastric Cancer	Adenocarcinoma	
99929	HF-19346-(1)	99933	Gastric Cancer	Adenocarcinoma	
99977	HF-19352-(1)	99981	Gastric Cancer	Adenocarcinoma	
99955	HF-19105-(1)	99953	Gastric Cancer	Adenocarcinoma Intestinal	
100061	HF-19378-(1)	100065	Gastric Cancer	Adenocarcinoma	
100085	HF-19386-(1)	100089	Gastric Cancer	Adenocarcinoma	
100091	HF-19388-(1)	100095	Gastric Cancer	Adenocarcinoma	

FIG. 1
(Cont'd)

100097	HF-19390-(1)	100101	Gastric Cancer	Adenocarcinoma	
99997	HF-20019-(1)	99995	Gastric Cancer	Adenocarcinoma	
100121	HF-19398-(1)	100125	Gastric Cancer	Adenocarcinoma Intestinal	
100127	HF-19400-(1)	100131	Gastric Cancer	Adenocarcinoma	
100519	HF-19404-(1)	100521	Gastric Cancer	Adenocarcinoma Intestinal	
100531	HF-19408-(1)	100535	Gastric Cancer	Adenocarcinoma Intestinal	
115584	HF-8126-(1)	115583	Gastric Cancer	Adenocarcinoma	
94445	HF-17581-(2)	588609	Gastric Cancer	Adenocarcinoma	
94441	HF-17574-(2)	94439	Gastric Cancer	Adenocarcinoma Mucinous	
94166	HF-17193-(1)		Gastric Cancer	Adenocarcinoma	
94174	HF-17110-(1)		Gastric Cancer	Adenocarcinoma	
94464	HF-17568-(1)		Gastric Cancer	Adenocarcinoma	
99000	HF-19119-(1)		Gastric Cancer	Adenocarcinoma	
100525	HF-19406-(1)		Gastric Cancer	Adenocarcinoma Intestinal	
115582	HF-7113-(1)		Gastric Cancer	Adenocarcinoma	
587244	HF-18084-(2)	587245	Colorectal Cancer	Adenocarcinoma	yes
587282	HF-18265-(1)	587283	Colorectal Cancer (Tissue subcategory: Colon Sigmoid)	Adenocarcinoma	yes
587286	HF-18275-(1)	587287	Cecum	Adenocarcinoma	yes
587298	HF-18309-(1)	587299	Cecum	Adenocarcinoma	yes
587388	HF-20387-(1)	587389	Colorectal Cancer (Tissue subcategory: Colon Sigmoid)	Adenocarcinoma	yes
587390	HF-20389-(2)	587391	Rectum	Adenocarcinoma	yes

FIG. 1
(Cont'd)

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1  actccagcct cgcgcgggag ggggcgcggc cgtgactcac ccccttccct ctgcgttccct
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3481 tctgcagttt ctgggagcag tgaacgggtgc ccccgccag tctctctaca cccaatgcc
3541 cggggatgcc tggcatcaga gtcatcagag gggcatgtaa caggctctga ggctgagctc
3601 caggagaaag tgtcaatgtg taggagccgg agcaggagcc ggagcccacg gccacgcgga
3661 gatagcgctt accattccca gcgccacagt ctgctgactc ctgttacccc actctcccca
3721 cccgggttag aggaagagga tgtcaacggg tatgtcatgc cagatacaca cctcaaaggt
3781 actccctcct cccgggaagg caccctttct tcagtgggtc tcagttctgt cctgggtact
3841 gaagaagaag atgaagatga ggagtatgaa tacatgaacc ggaggagaag gcacagtcca
3901 cctcatcccc ctaggccaag ttcccttgag gagctgggtt atgagtacat ggatgtgggg
3961 tcagacctca gtgcctctct gggcagcaca cagagttgcc cactccaccc tgtacccatc
4021 atgcccactg caggcacaac tccagatgaa gactatgaat atatgaatcg gcaacgagat
4081 ggaggtgggtc ctgggggtga ttatgcagcc atgggggcct gccagcatc tgagcaaggg
4141 tatgaagaga tgagagcttt tcaggggcct ggacatcagg ccccccattgt ccattatgcc
4201 cgcctaaaaa ctctacgtag cttagaggct acagactctg cctttgataa ccctgattac
4261 tggcatagca ggcttttccc caaggctaag gcccttagag ggtaccgtct tctccctatt
4321 gcactcaggg agcatttaag ggcagctagt gcctttagag ggtaccgtct tctccctatt
4381 ccctctctct cccagggtccc agcccccttt cccaggtccc agacaattcc attcaatctt
4441 tggaggcttt taaacatttt gacacaaaat tcttatggta tgtagccagc tgtgcacttt
4501 cttctctttt ccaaccccag gaaagggttt ccttattttg tgtgctttcc cagtcccatt
4561 cctcagcttc ttcacaggca ctctgggaga tatgaaggat tactctccat atcccttctt
4621 ctcaggctct tgactacttg gaactaggct cttatgtgtg cctttgtttc ccactcagact
4681 gtcaagaaga ggaaagggag gaaacctagc agaggaaagt gtaatttttg tttatgactc
4741 ttaaccccct agaaagacag aagcttaaaa tctgtgaaga aagagggttag gagtagatat
4801 tgattactat cataattcag cacttaacta tgagccaggc atcatactaa acttcaccta
4861 cattatctca cttagtcctt tatcatcctt aaaacaattc tgtgacatac atattatctc
4921 attttacaca aagggaagtc gggcatggtg gctcatgcct gtaatctcag cactttggga
4981 ggctgaggca gaaggattac ctgaggcaag gagtttgaga ccagcttagc caacatagta
5041 agaccccat ctcttttaaa aaaaaaaaaa aaaaaaaaaa aaacttttag aactgggtgc
5101 agtggctcat gcctgtaatc ccagccagca ctttgggagg ctgagatggg aagatcactt
5161 gagcccagaa ttagagataa gcctatggaa acatagcaag aactgtctc tacaggggaa
5221 aaaaaaaaaa gaaactgagc cttaaagaga tgaaataaat taagcagtag atccaggatg
5281 caaaatcctc ccaattcctg tgcattgtgt cttattgtaa ggtgccaaga aaaactgatt
5341 taagttacag cccttgttta aggggcactg tttcttgttt ttgactgaa tcaagtctaa
5401 cccaacagc cacatcctcc tatacctaga catctcatct caggaagtgg tgggggggt
5461 agtcagaagg aaaaataact ggacatcttt gtgtaaacca taatccacat gtgccgtaaa
5521 tgatcttcac tccttatccg agggcaaat cacaaggatc ccaagatcc acttttagaa
5581 gccattctca tccagcagtg agaagcttcc aggtaggaca gaaaaaagat ccagcttcag
5641 ctgcacacct ctgtccctt ggatggggaa ctaagggaaa acgtctgttg tatcactgaa
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5761 aaaaa

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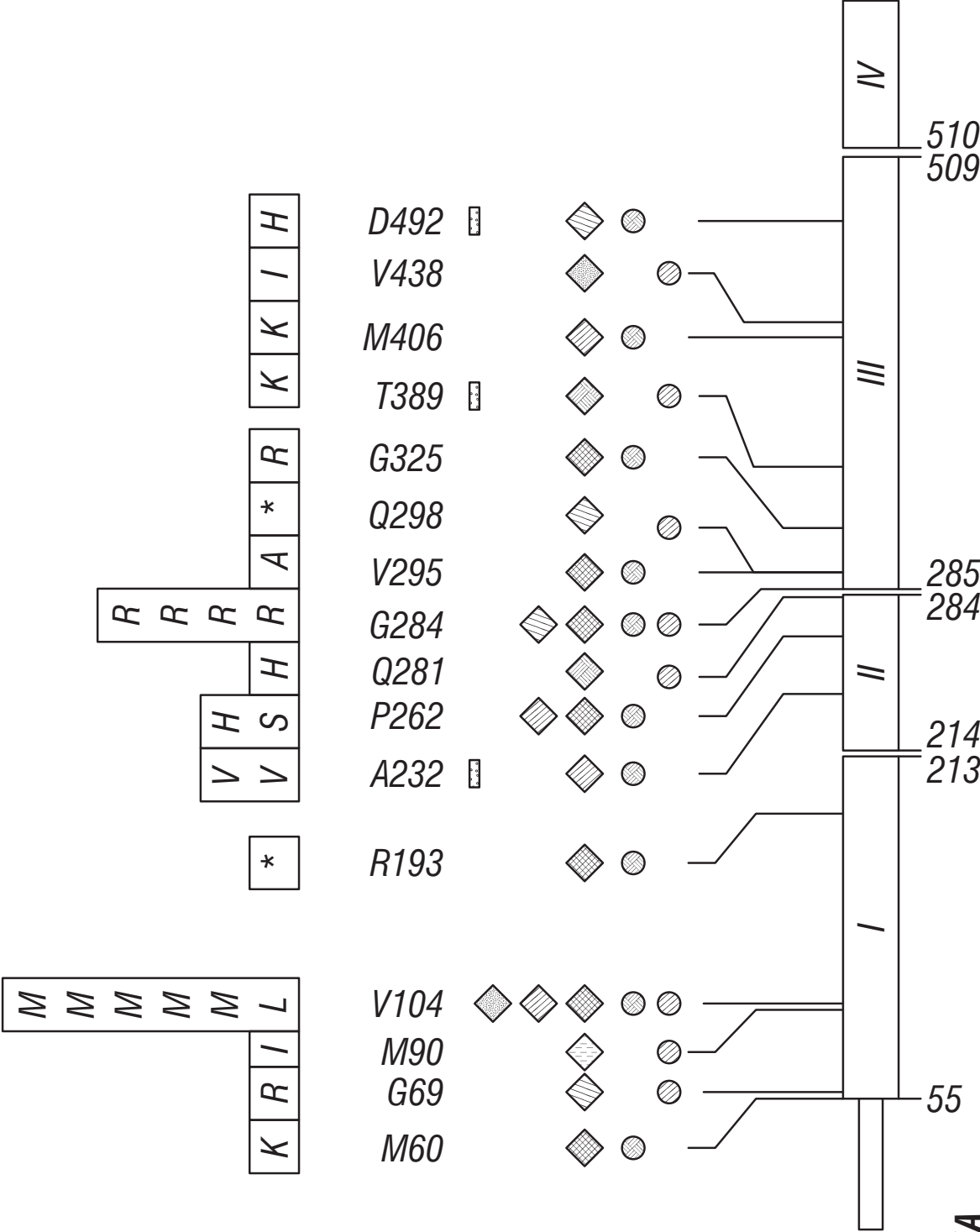
FIG. 2B

```

1 mrandalqvl gllfslargs evgnsqavcp gtlnglsvtg daenqyqtly klyercevwm
61 gnleivltgh nadlsflqwi revtgyvlva mnefstlplp nlrvvrgtqv ydgkfaifvm
121 lnyntnssha lrqlrltqlt eilsggvyie kndklchmdt idwrdivrdr daeivvkdng
181 rscppchevc kgrcwggpgse dcqtltktic apqcngchcfc pnpnqcchde caggcsgpqd
241 tdcfacrhfn dsqacvprcp qplvynkltf qlepnphtky qyggvcvasc phnfvdqts
301 cvracppdkm evdknglkmc epcggclcpka cegtsgsgrf qtvdsnidg fvnctkilgn
361 ldflitglng dpwhkipald peklnvfrtv reitgylniq swpphmnfs vfsnlttigg
421 rslynrgfsl limklnvts lgfrslkeis agriyisanr qlcyhhslnw tkvlrgptee
481 rldikhnrpr rdcvaegkvc dplcssggcw gpgpgqclsc rnysrggvcv thcnflngep
541 refaheaecf schpecqpme gtatcngsgs dtcaqcahfr dgphcvsscp hgvlgakgpi
601 ykypdvq nec rpchenctqg ckqpelqdcl gqtlvligkt hltmaltvia glvvifmmlg
661 gtflywrgrr iqnkramrry lergesiepl dpsekankvl arifketelr klkvlsgsvf
721 gtvhkgvwip egesikipvc ikviedksgr qsfqavtdhm laigsldhah ivrllglcpg
781 sslqlvtqyl plgslldhvr qhrgalgpql llwgvqiak gmyyleehgm vhrnlaarnv
841 llkspsqvqv adfgvadllp pddkqllyse aktpikwmal esihfgkyth qsdvwsygvv
901 vwelmtfgae pyaglr laev pdllekgerl aqpqictidv ymvmvkcwmi denirptfke
961 laneftmar dpprylvikr esgpgiagpg ephgltnkkl eevelepeld lddleaeed
1021 nlatttlgsa lslpvgtlnr prgsqslslp ssgympmnqg nlgescquesa vsgssercpr
1081 pvsllhpmprg clasessegh vtgseaelqe kvsmcrsr srsprrgds ayhsqrhsl
1141 tpvtplspg leedvngyv mpdthlkgtp ssregtlssv glssvlgte ededeeyeym
1201 nrrrrhspph pprpssleel gyeymdvgsd lsaslgstqs cplhpvpimp tagttdedy
1261 eymnrqrdgg gpggdyaamg acpaseqgye emrafqgpg qaphvhyarl ktlrsleatd
1321 safdnpywh srlfpkanaq rt

```

FIG. 3



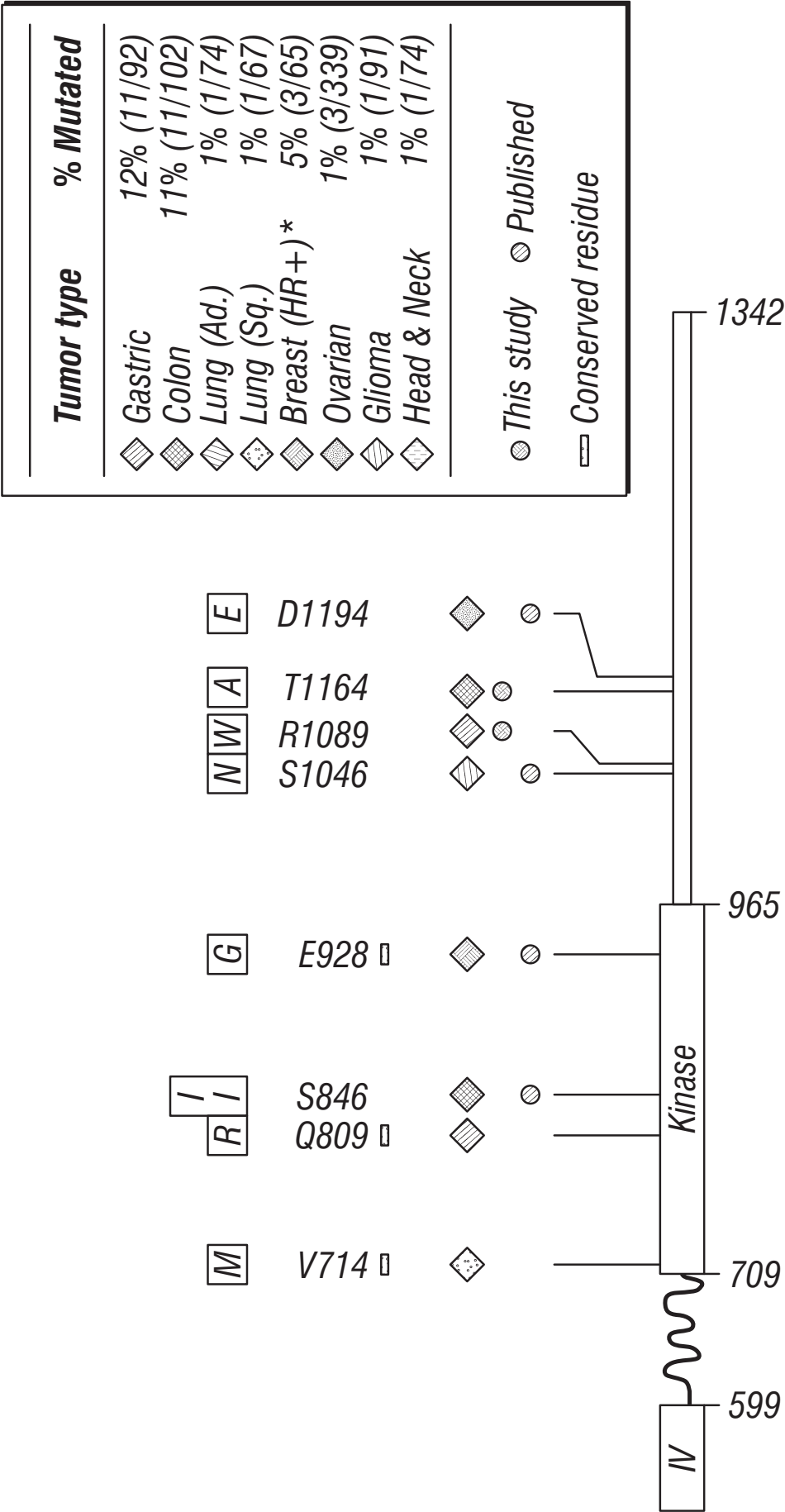


FIG. 4B

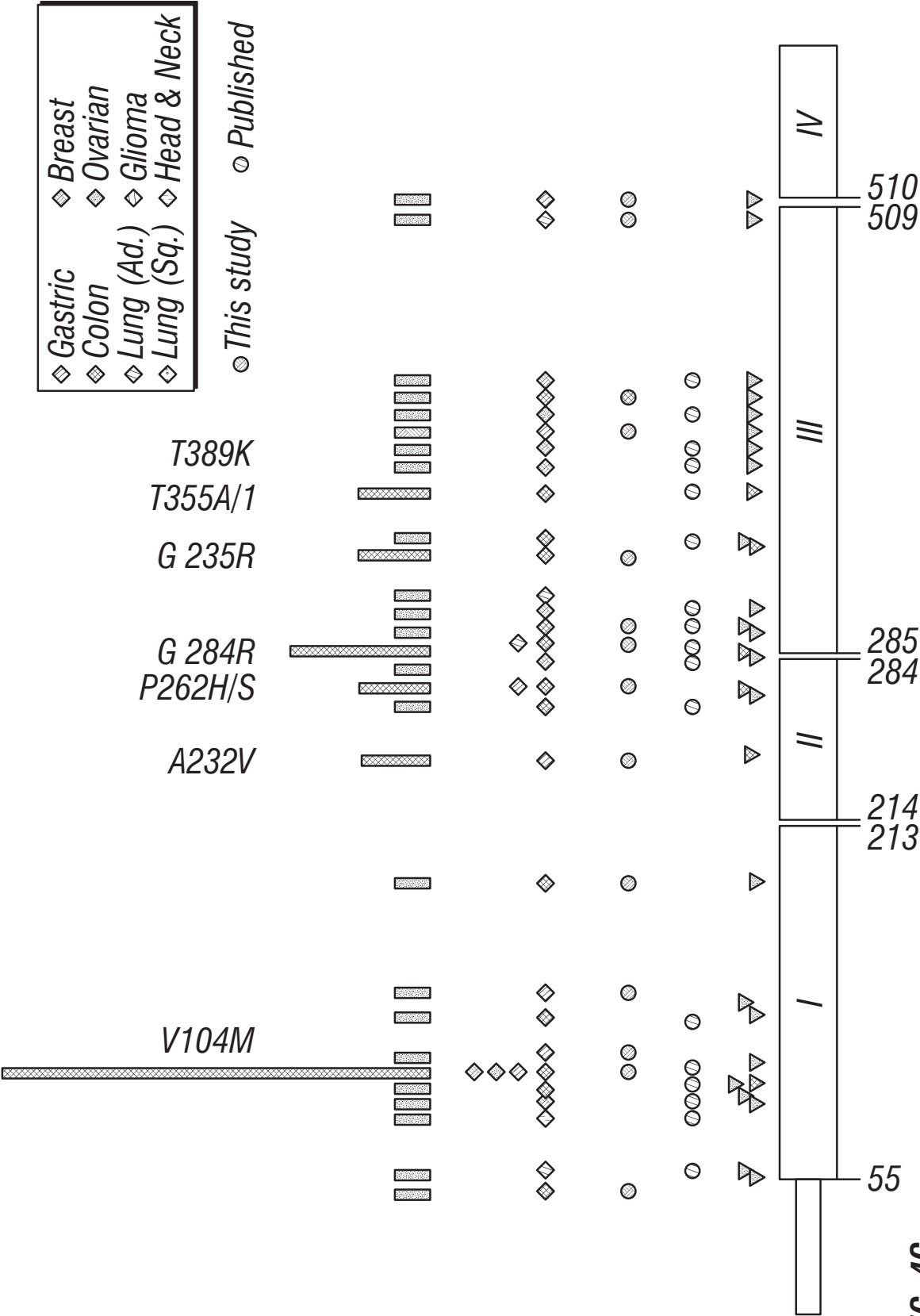


FIG. 4C

◆ Gastric

◆ Colon

◆ Lung (Ad.)

◆ Lung (Sq.)

◆ Breast

◆ Ovarian

◆ Glioma

◆ Head & Neck

● This study ○ Published

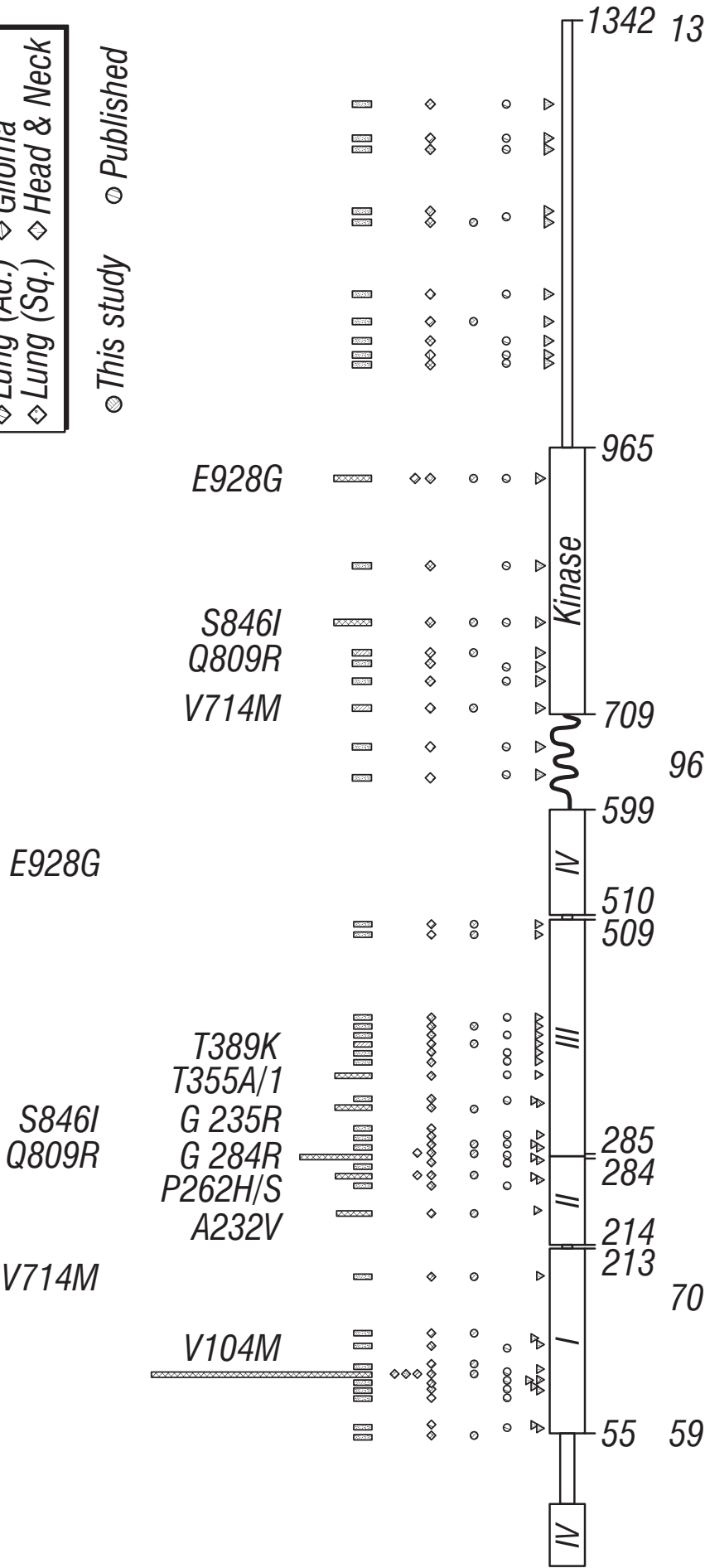


FIG. 4D

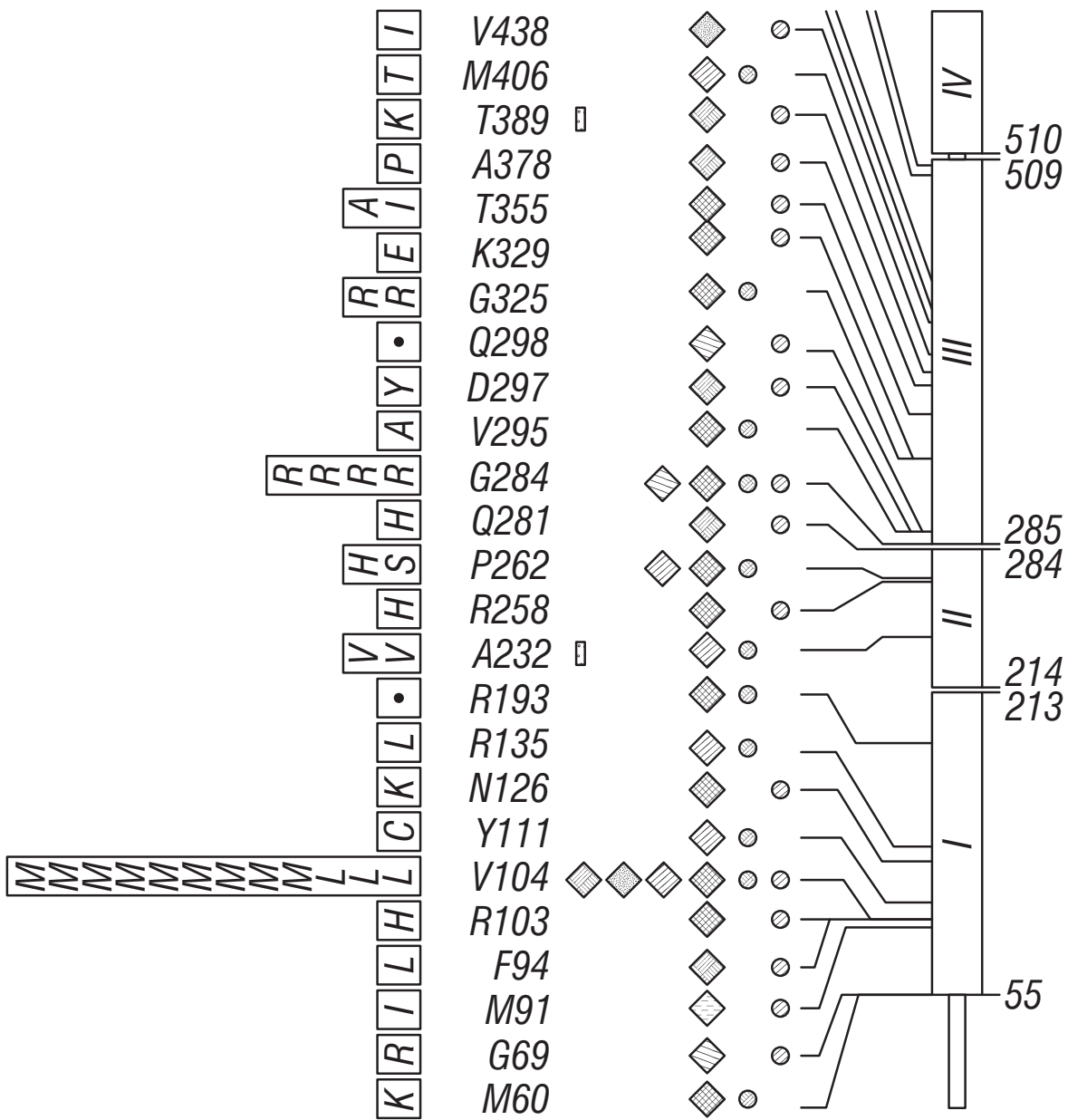


FIG. 4E

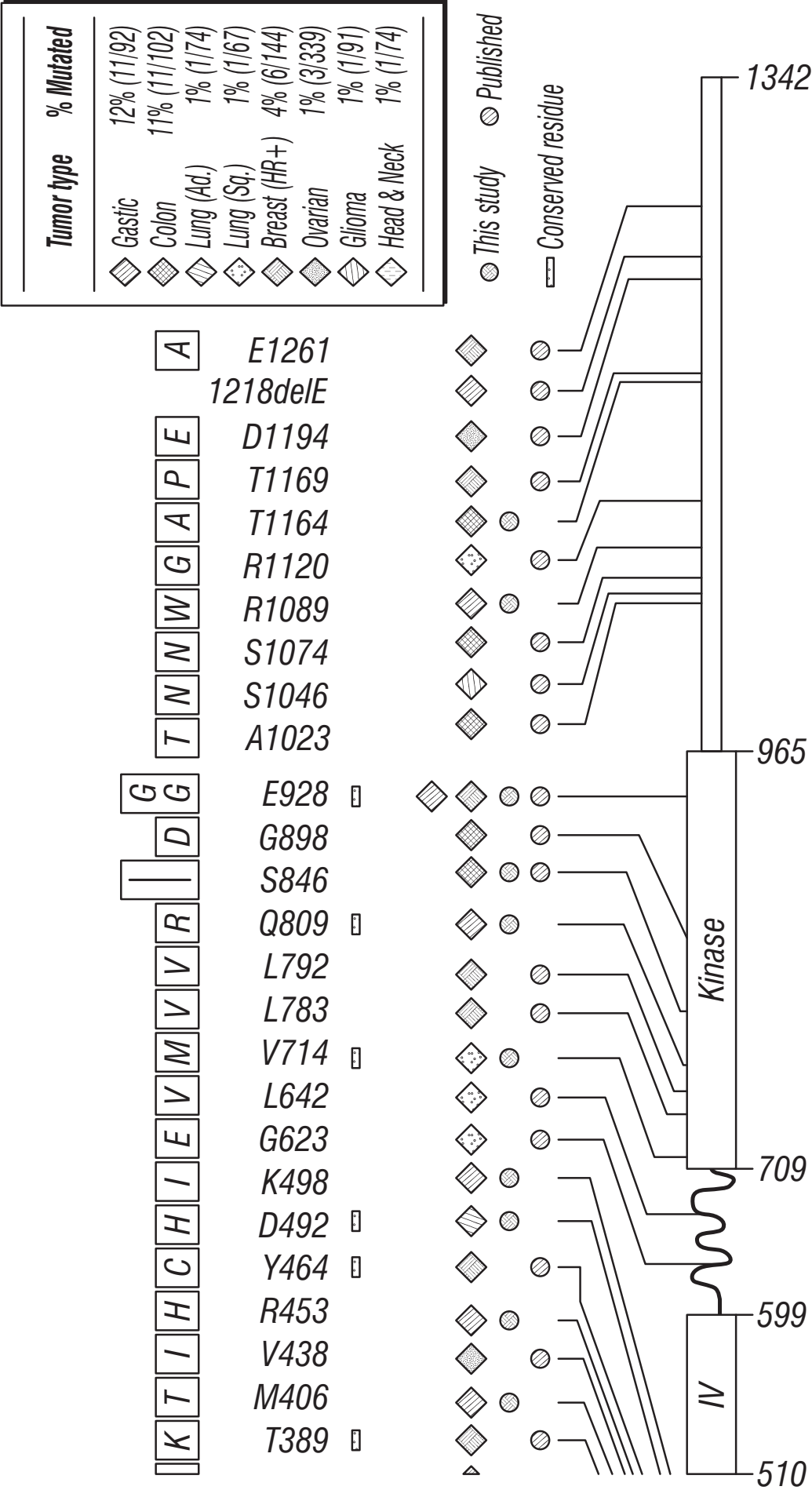


FIG. 4F

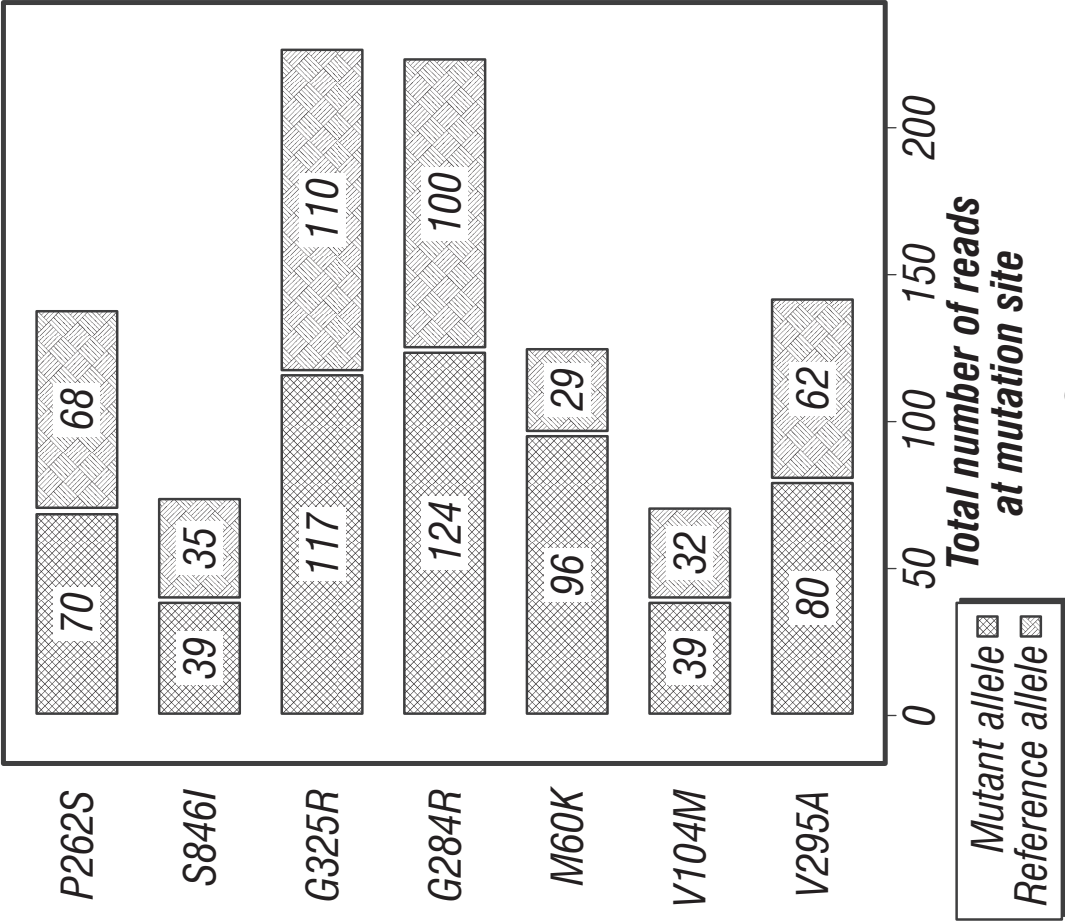


FIG. 5A

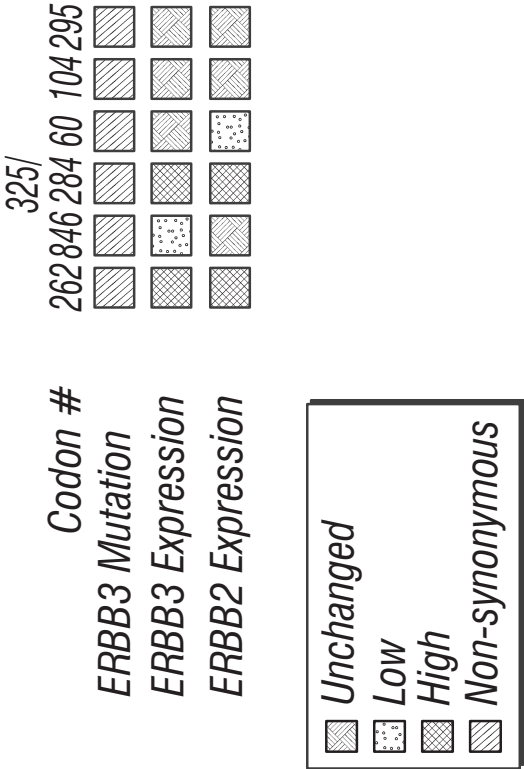


FIG. 5B

NP_001973.2	MRANDALQVLGLFSLARGS	YKLYERCEVVMGNLEIVLTGH	PNLRVVRGTQVYDGKFAIF
NP_034283.1	MSAIGTLQVLGFLSLARGS	YKLYEKCEVVMGNLEIVLTGH	PNLRVVRGTQVYDGKFAIF
NP_058914.2	MRATGTLQVLCFLLSLARGS	YKLYEKCEVVMGNLEIVLTGH	PNLRVVRGTQVYDGKFAIF
NP_001096575.1	MRVNRALQVLGFLSLARGS	HKLYEKCEVVMGNLEIVLTGH	PNLRVVRGTQVYDGKFAIF
XP_509131.2	-----	-----	PNLRVVRGTQVYDGKFAIF

NP_001973.2	VM	GRSCPPCHEVCKGRGWGPGE	GNPNQCCHDECAGGCSGPQD	NDSGACVPRCPQPLVY
NP_034283.1	VM	GGNCPPCHEVCKGRGWGPGE	GNPNQCCHDECAGGCSGPQD	NDSGACVPRCPAPLVY
NP_058914.2	VM	GANCPPCHEVCKGRGWGPGE	GNPNQCCHDECAGGCSGPQD	NDSGACVPRCPPLVY
NP_001096575.1	VM	GKTCPPCHEACKGRGWGPGE	GNPNQCCHDECAGGCSGPQN	NDSGACVRQCPQPLVY
XP_509131.2	VM	GRSCPPCHEVCKGRGWGPGE	GNPNQCCHDECAGGCSGPQD	NDSGACVPRCPQPLVY

NP_001973.2	NKLTFF	YQYGGVCVASCPHNFVVDQTS	MEVDKNGLLKMCPCGGLCPKA	GDPWHKIPALDPE
NP_034283.1	NKLTFF	YQYGGVCVASCPHNFVVDQTF	MEVDKNGLLKMCPCRGGLCPKA	GDPWHKIPALDPE
NP_058914.2	NKLTFF	YQYGGVCVASCPHNFVVDQTF	MEVDKHGLKMCPCGGLCPKA	VDPWHKIPALDPE
NP_001096575.1	NKLTFF	YQYGGVCVASCPHNFVVDQTS	MEVDKNGLLKICEPCGGLCPKA	GDPWHKIPALDPE
XP_509131.2	NKLTFF	YQYGGVCVASCPHNFVVDQTS	MEVDKNGLLKMCPCGGLCPKA	GDPWHKIPALDPE

NP_001973.2	KLNVFRTV	QSWPPHMHNFVSFSLTTIGG	LLIMKNLNVTSLGFRSLKEIS	ERLDIKHNRP
NP_034283.1	KLNVFRTV	QSWPPHMHNFVSFSLTTIGG	LLIMKNLNVTSLGFRSLKEIS	ERLDIKYNRP
NP_058914.2	KLNVFRTV	QSWPPHMHNFVSFSLTTIGG	LLIMKNLNVTSLGFRSLKEIS	ERLDIKYDRP
NP_001096575.1	KLNVFRTV	QSWPPHMHNFVSFSLTTIGG	LLIMKNLNVTSLGFRSLKEIS	ERLDIKHNRP
XP_509131.2	KLNVFRTV	QSWPPHMHNFVSFSLTTIGG	LLIMKNLNVTSLGFRSLKEIS	ERLDIKHNRP

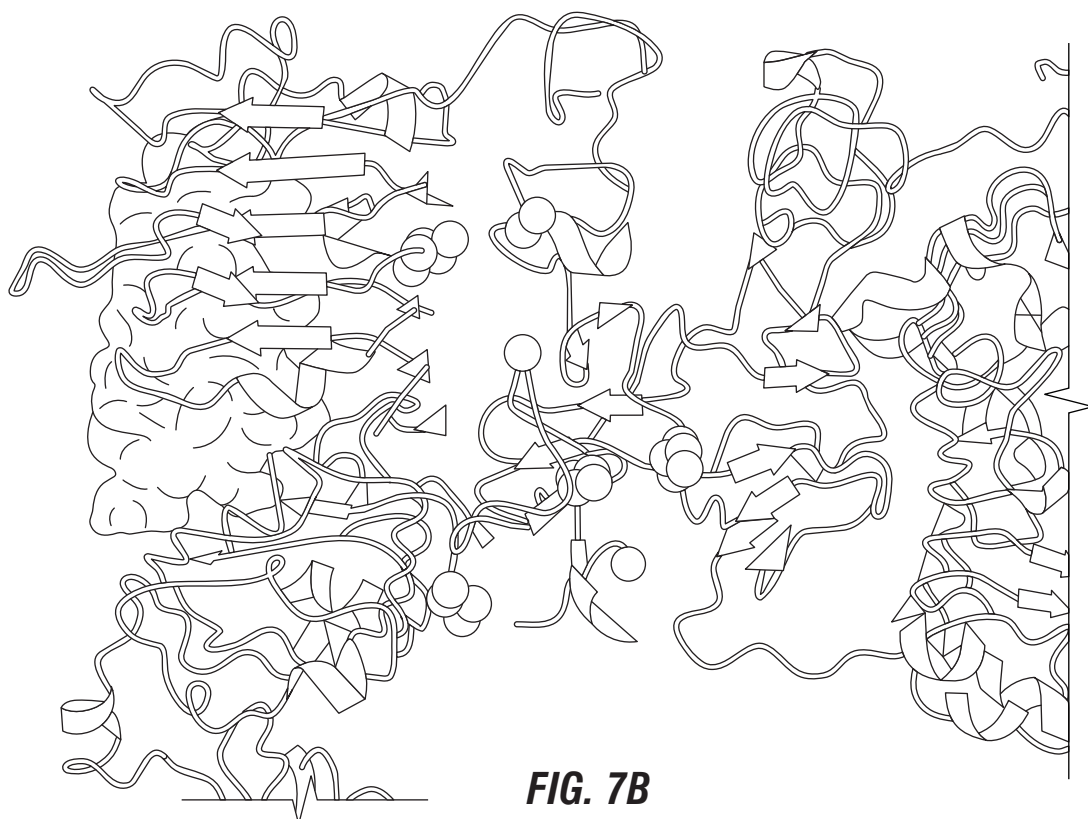
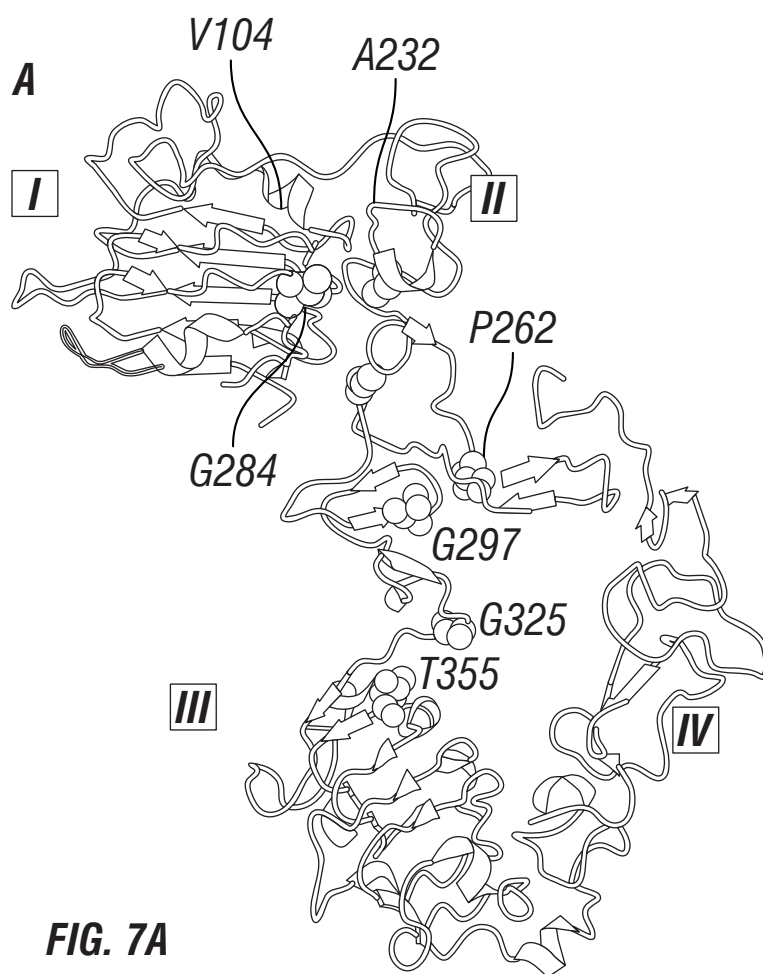
NP_001973.2	RRDCVAEGKVC	LARIFKETELRKLKVLGSGVF	RQHRGALGPQLLLNWGVQIAK	VLLKSPS
NP_034283.1	LGECVAEGKVC	LARIFKETELRKLKVLGSGVF	RQHRETLPQLLLNWGVQIAK	VMLKSPS
NP_058914.2	LGECVAEGKVC	LARIFKETELRKLKVLGSGVF	KQHRETLPQLLLNWGVQIAK	VMLKSPS
NP_001096575.1	RRDCVAEGKVC	LARVFKETELRKLKVLGSGIF	RQHRGALGPQLLLNWGVQIAK	VLLKSPS
XP_509131.2	RRDCVAEGKVC	LARIFKETELRKLKVLGSGVF	RQHRGALGPQLLLNWGVQIAK	VLLKSPS

NP_001973.2	QVQVADFGVADLLP	VPDLLEKGERLAQPQICTIDV	ALSLPVGTILNRPRGSQSLLSP	RPVS
NP_034283.1	QVQVADFGVADLLP	IPDLLEKGERLAQPQICTIDV	ALSLPTGTILTRPRGSQSLLSP	RPIS
NP_058914.2	QVQVADFGVADLLP	IPDLLEKGERLAQPQICTIDV	ALSLPTGTILTRPRGSQSLLSP	RPIS
NP_001096575.1	QVQVADFGVADLLP	IPDLLEKGERLAQPQICTIDV	ALSLPTGTILNRPRGSQSLVSP	RPAS
XP_509131.2	QVQVADFGVADLLP	VPDLLEKGERLAQPQICTIDV	ALSLPVGTILNRPRGSQSLLSP	RPVS

NP_001973.2	LHPMPRGCLASESSEGH	VMPDTHLKGTPSSREGTLSSV	EEDEDEEYFYMNRRRRHSPPH
NP_034283.1	LHPIPRGRQTSSESSEGH	VMPDTHLRGTSSSREGTLSSV	EEDEDEEYFYMNRRRRGSPAR
NP_058914.2	LHPIPRGRFASSESSEGH	VMPDTHLRGASSSREGTLSSV	EEDEDEEYFYMNRRRRGSPPR
NP_001096575.1	LHPMPRGRCLASESSEGH	VMPDTHIKGTSSSREGTLSSV	DDDDEEYFYMNRRRRCSPSR
XP_509131.2	LHPMPRGCLASESSEGH	VMPDTHLKGTPSSREGTLSSV	EEDEDEEYFYMNRRRRHSPPH

FIG. 6

34/83



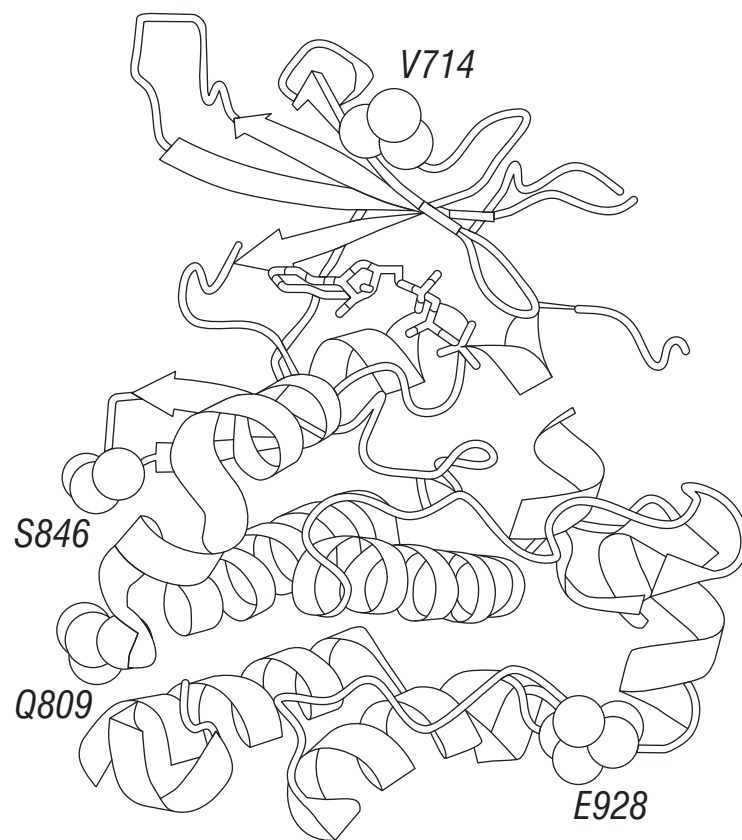


FIG. 7C

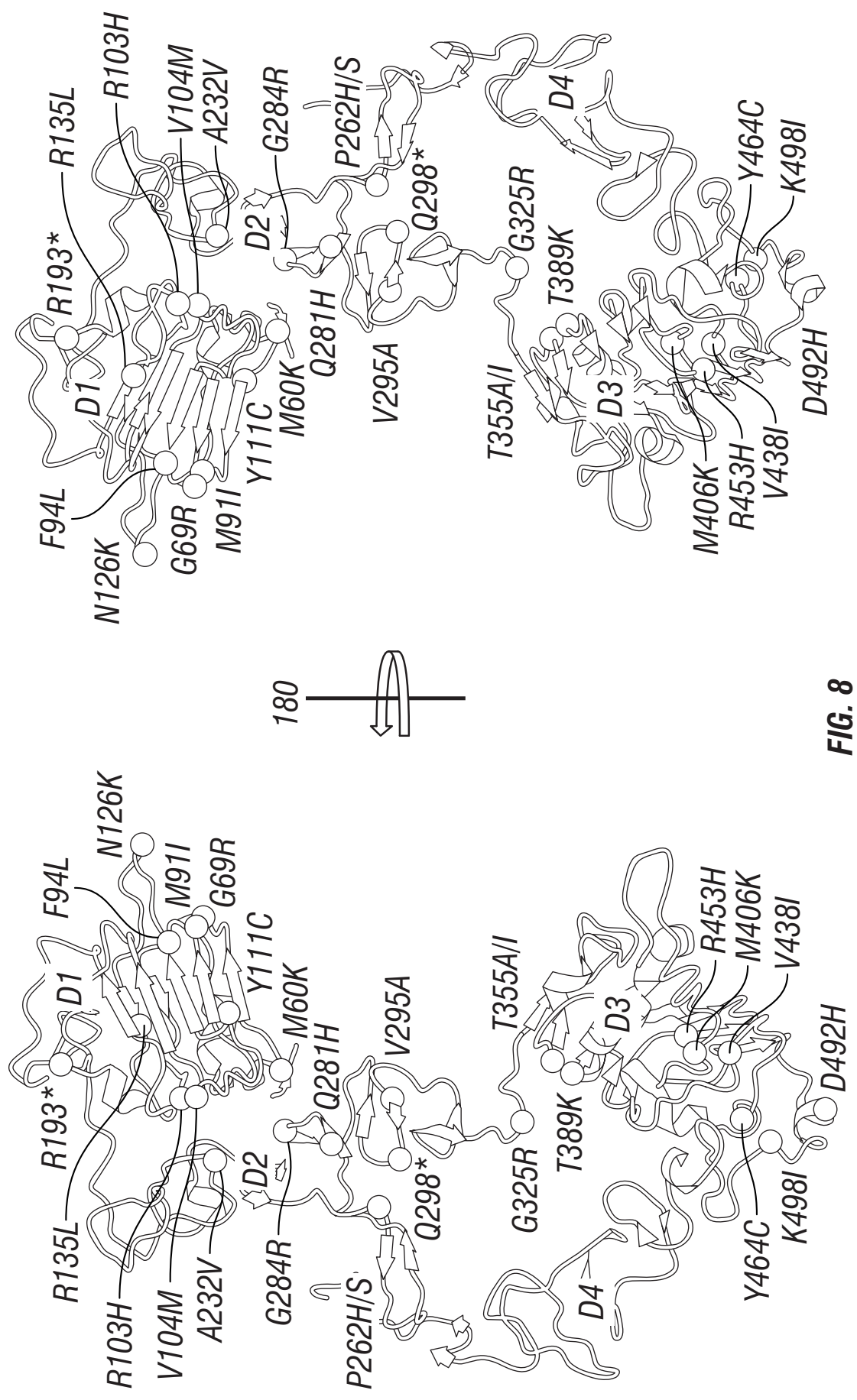


FIG. 8

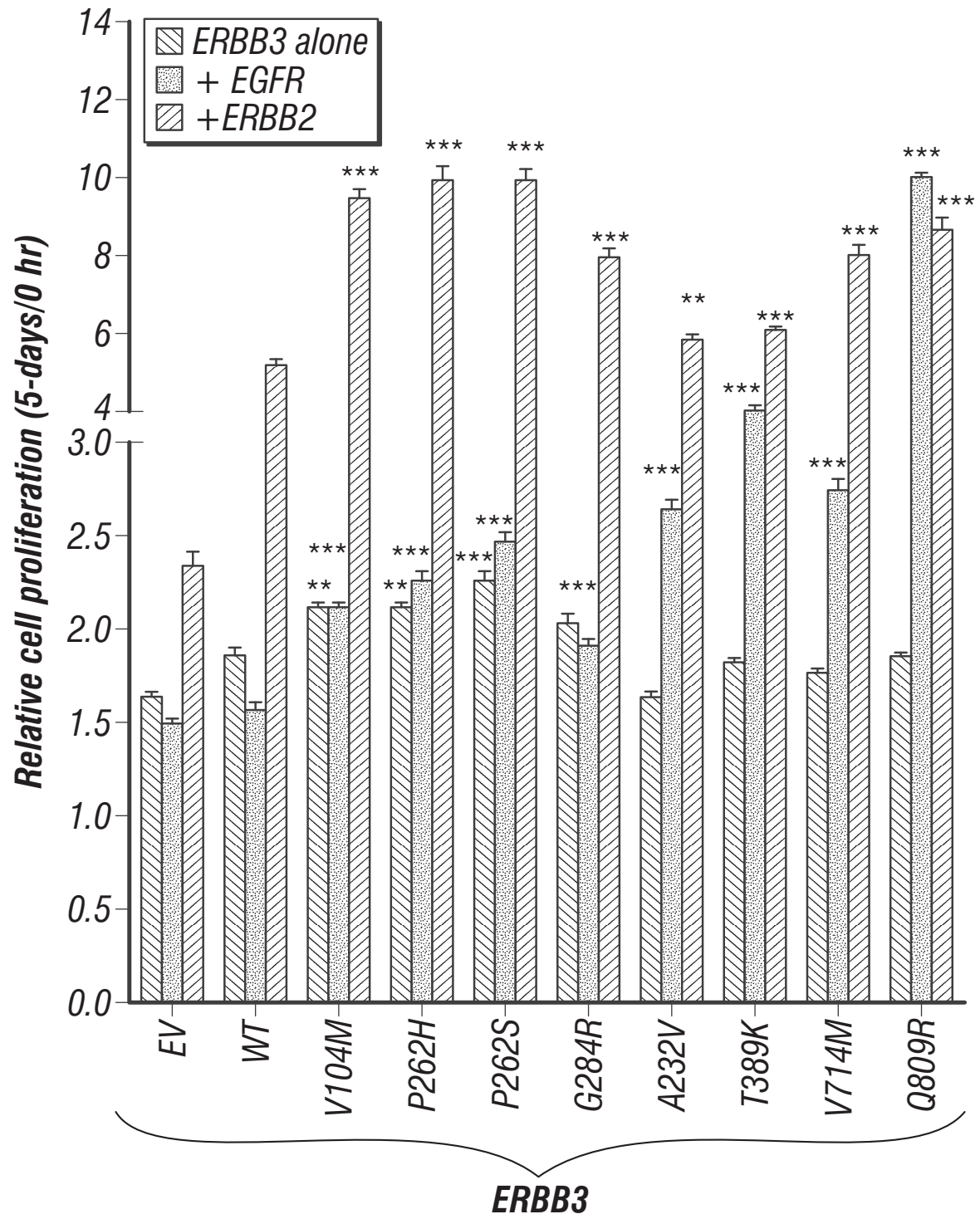


FIG. 9

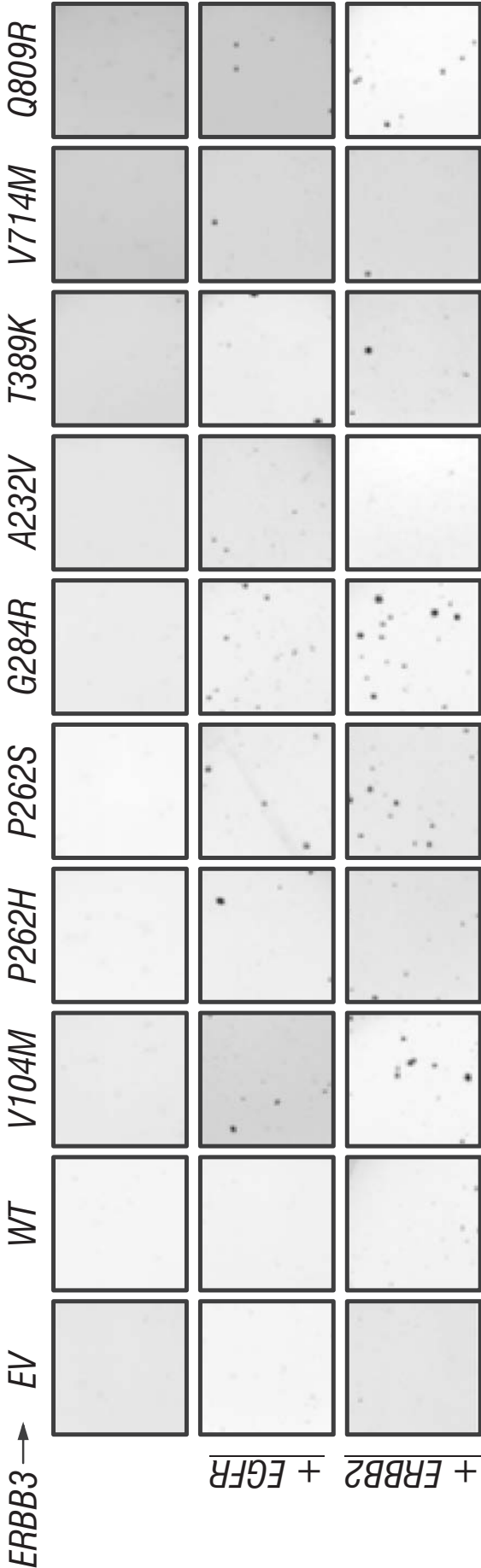
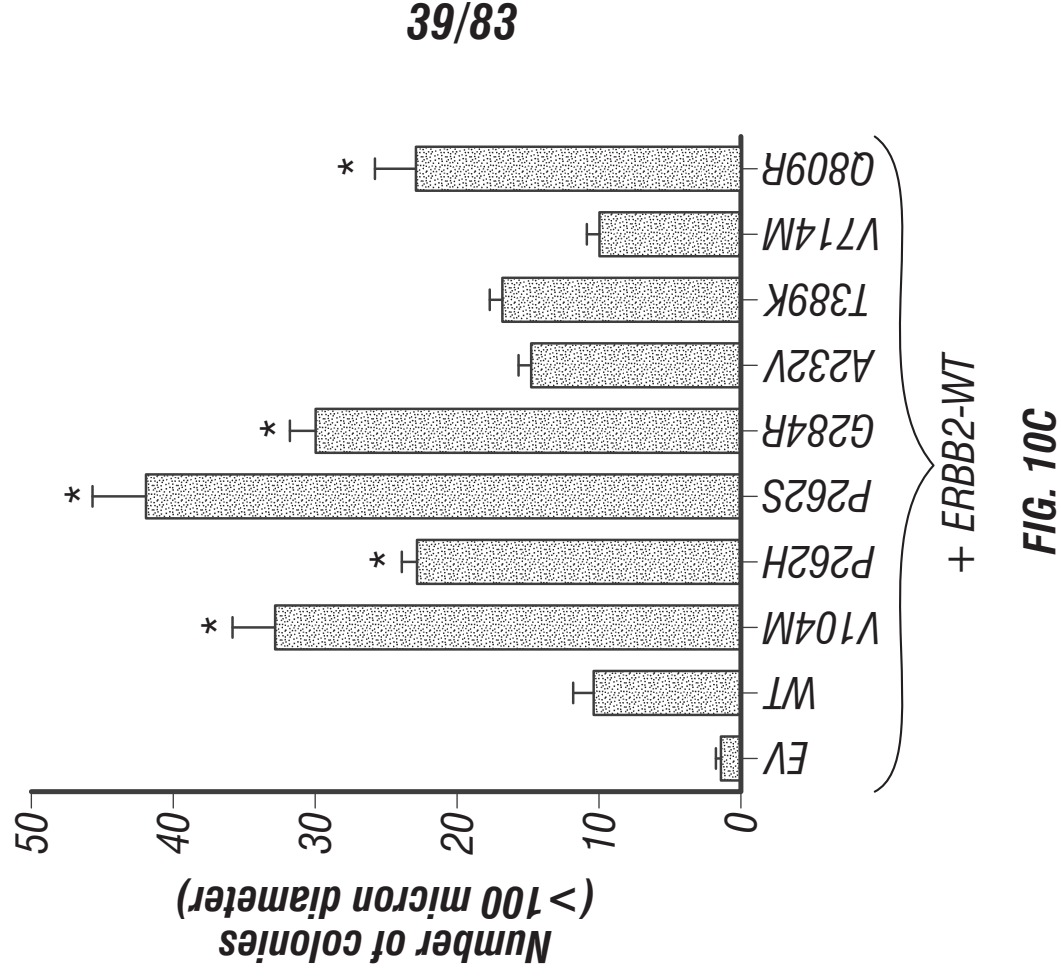
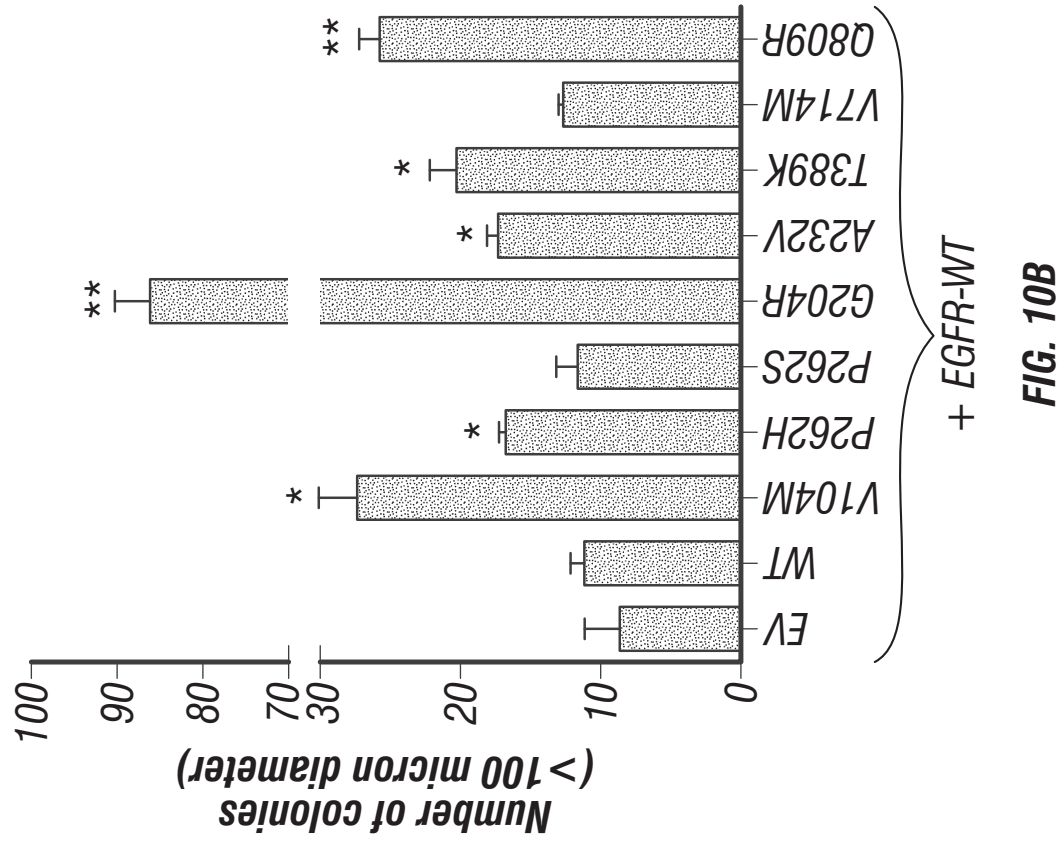
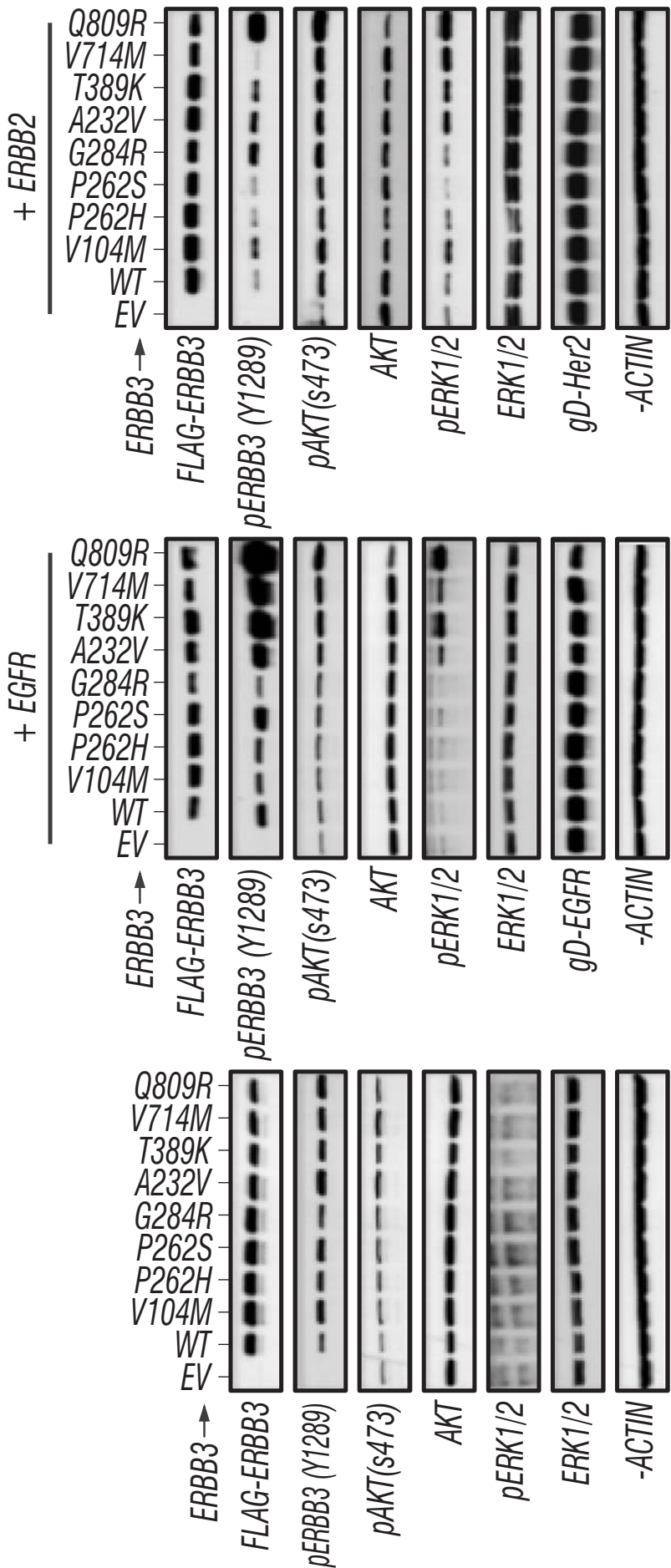


FIG. 10A



39/83



+ ERBB2 + EGFR

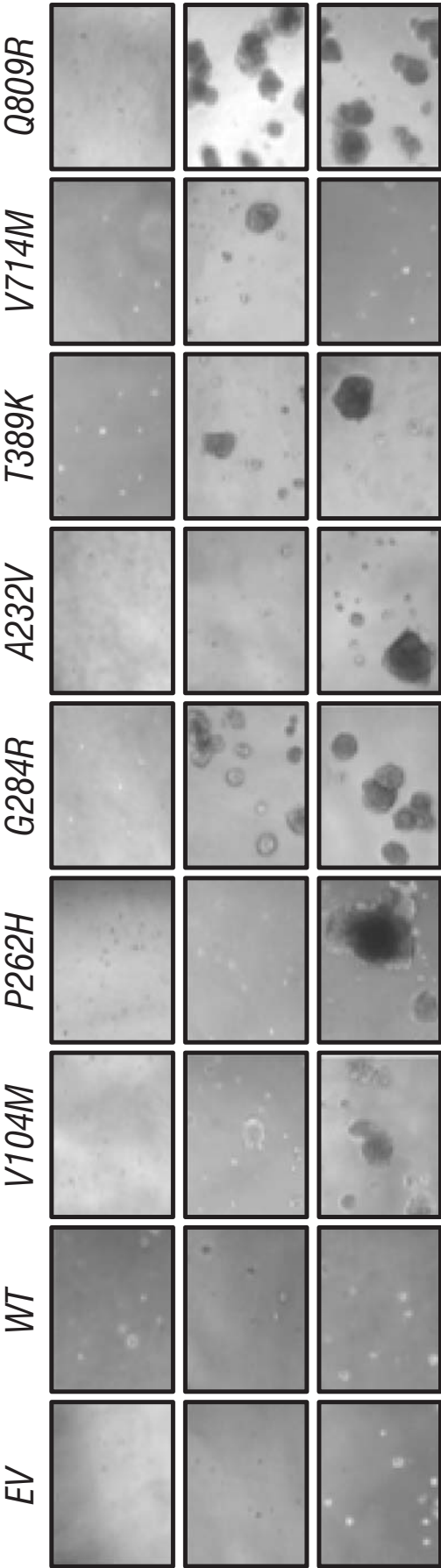


FIG. 12A

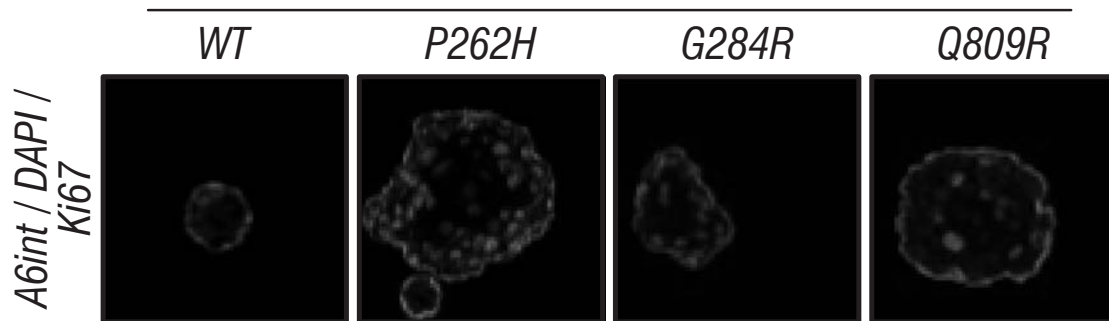


FIG. 12B

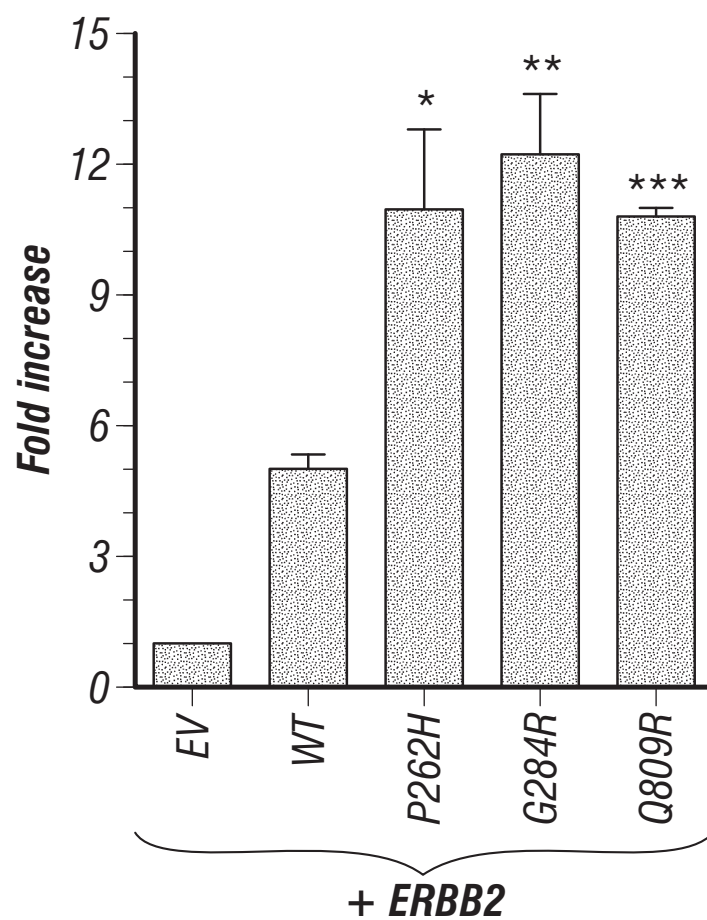


FIG. 12C

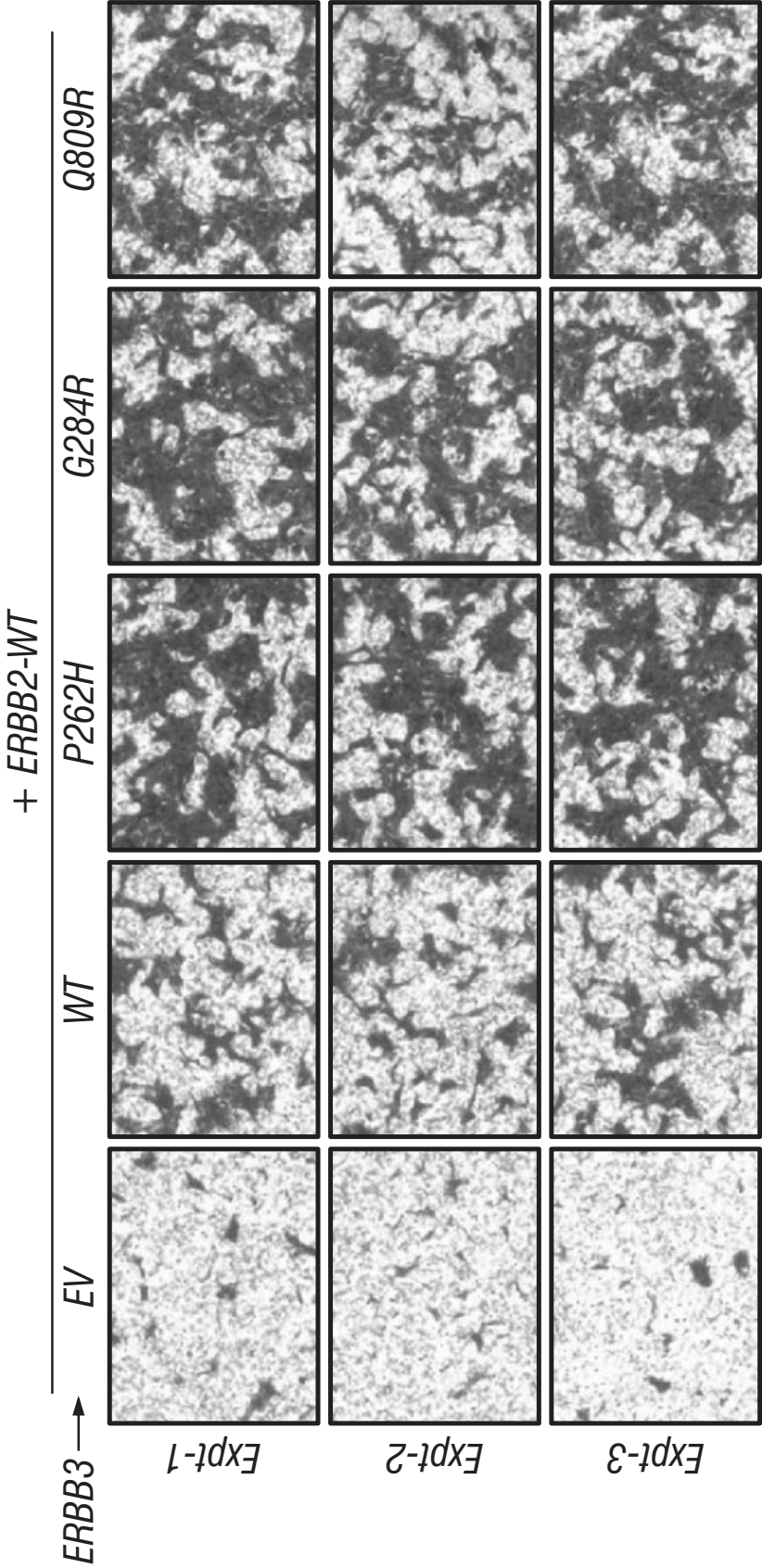


FIG. 13A

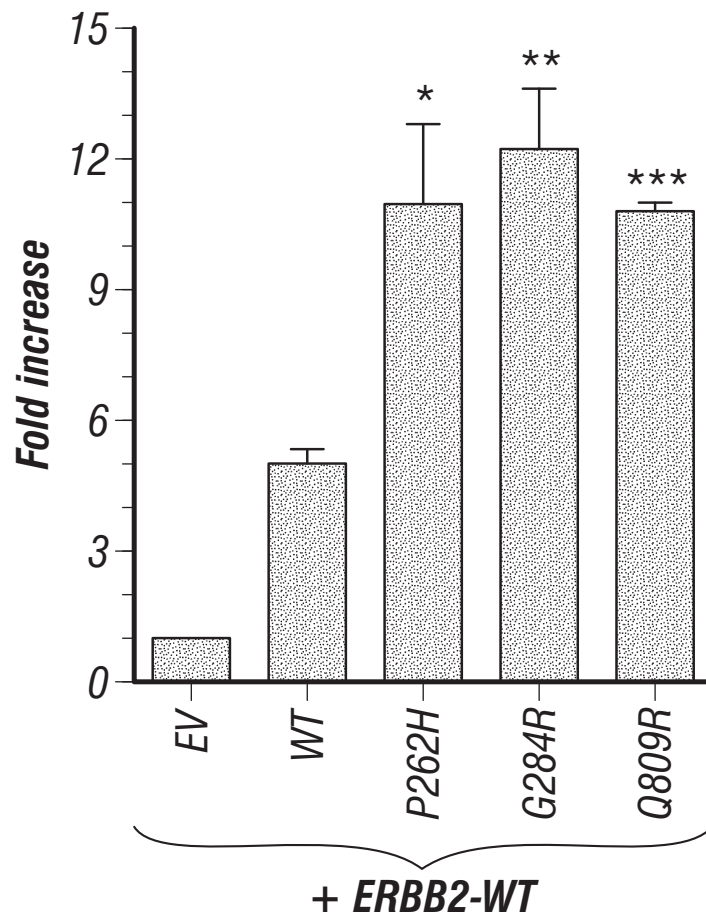


FIG. 13A
(Cont'd)

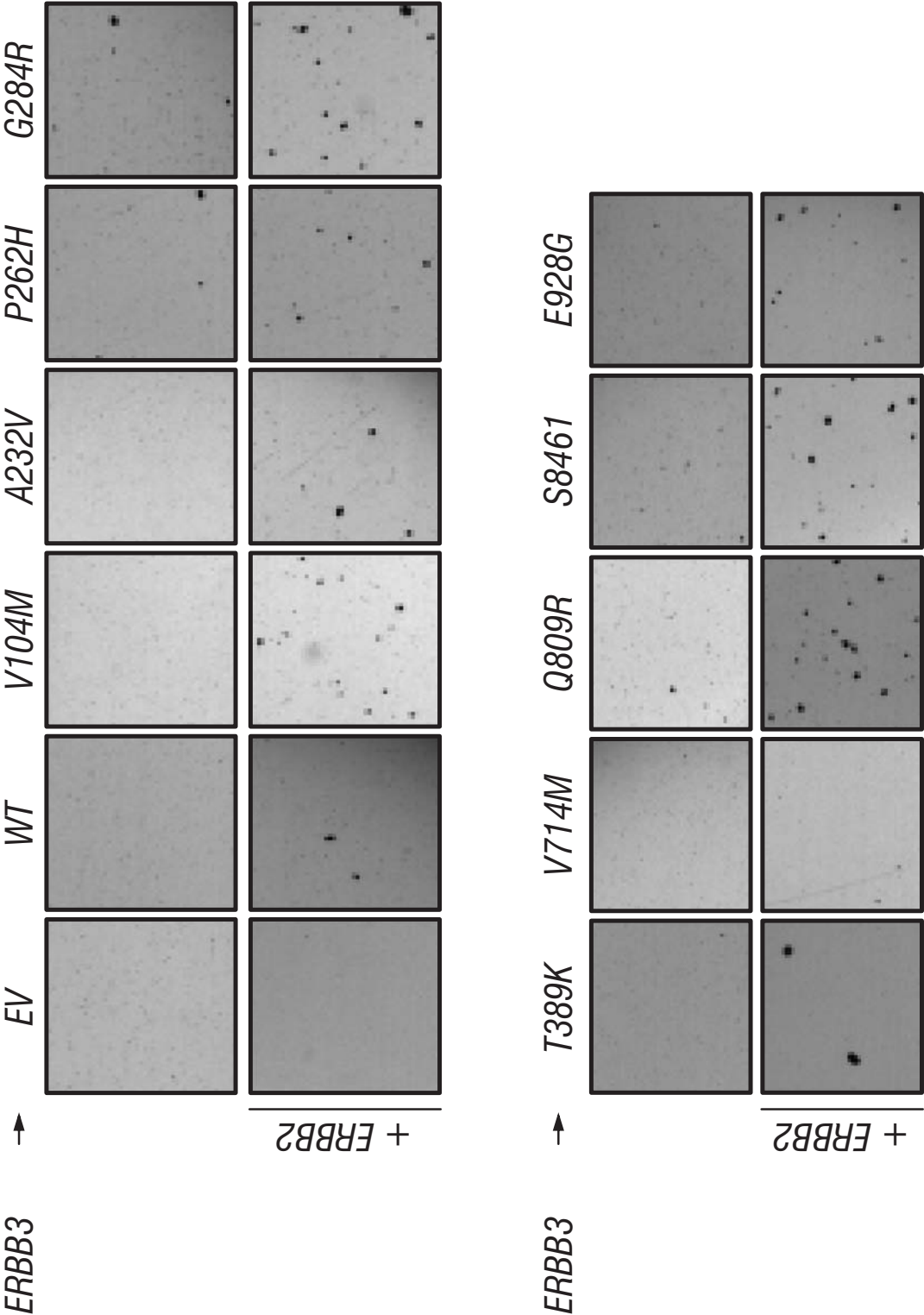


FIG. 13B

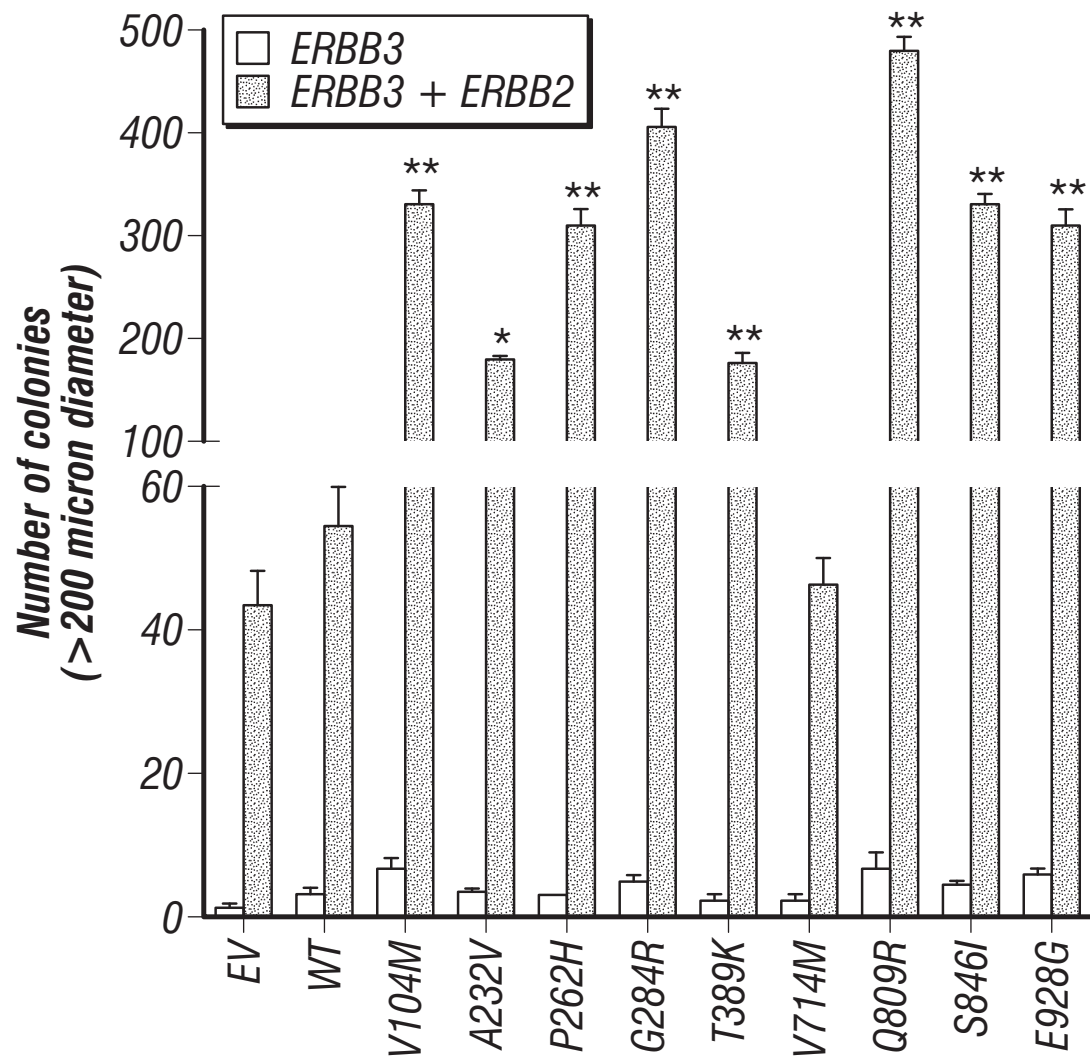
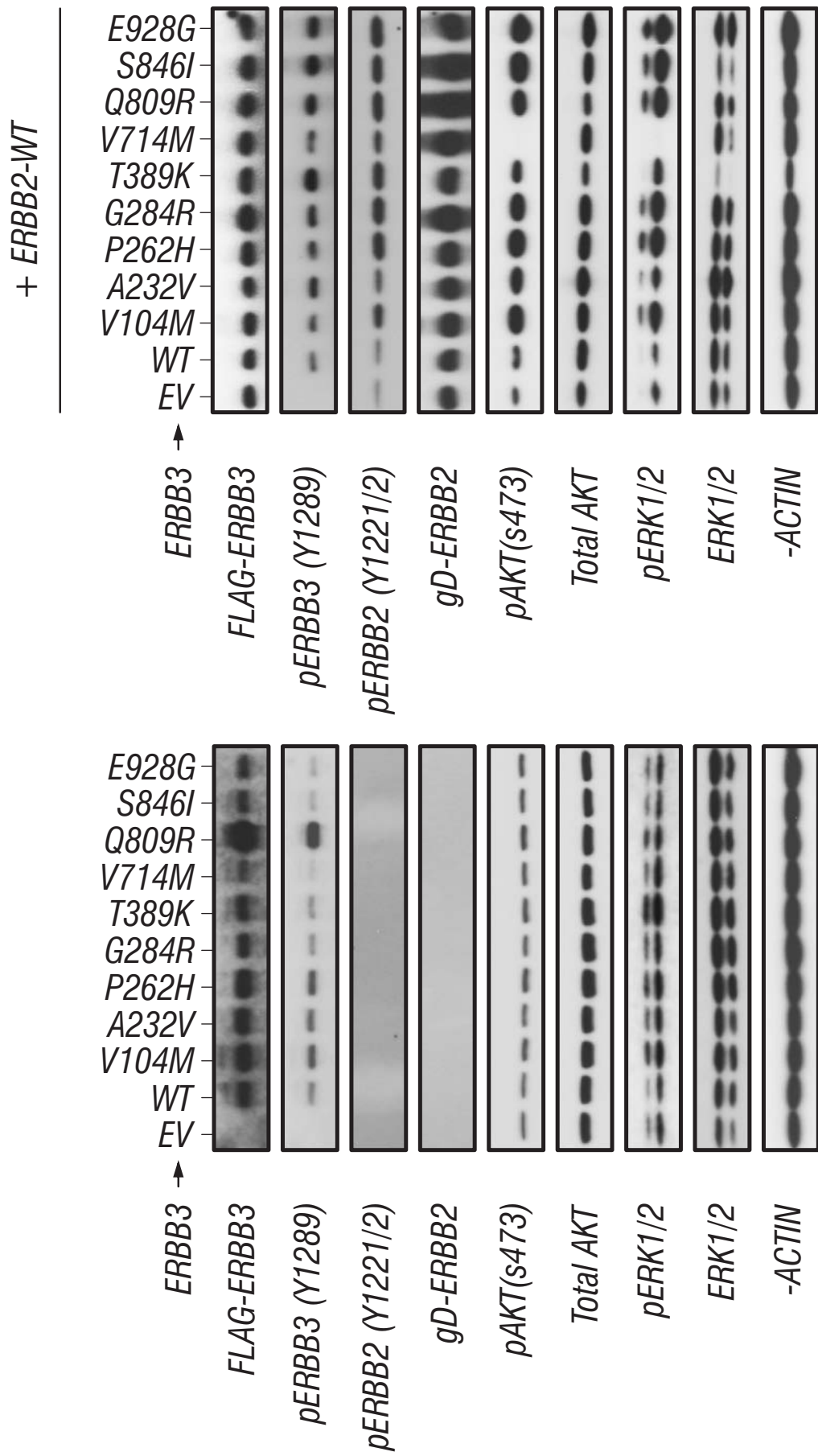


FIG. 13B
(Cont'd)



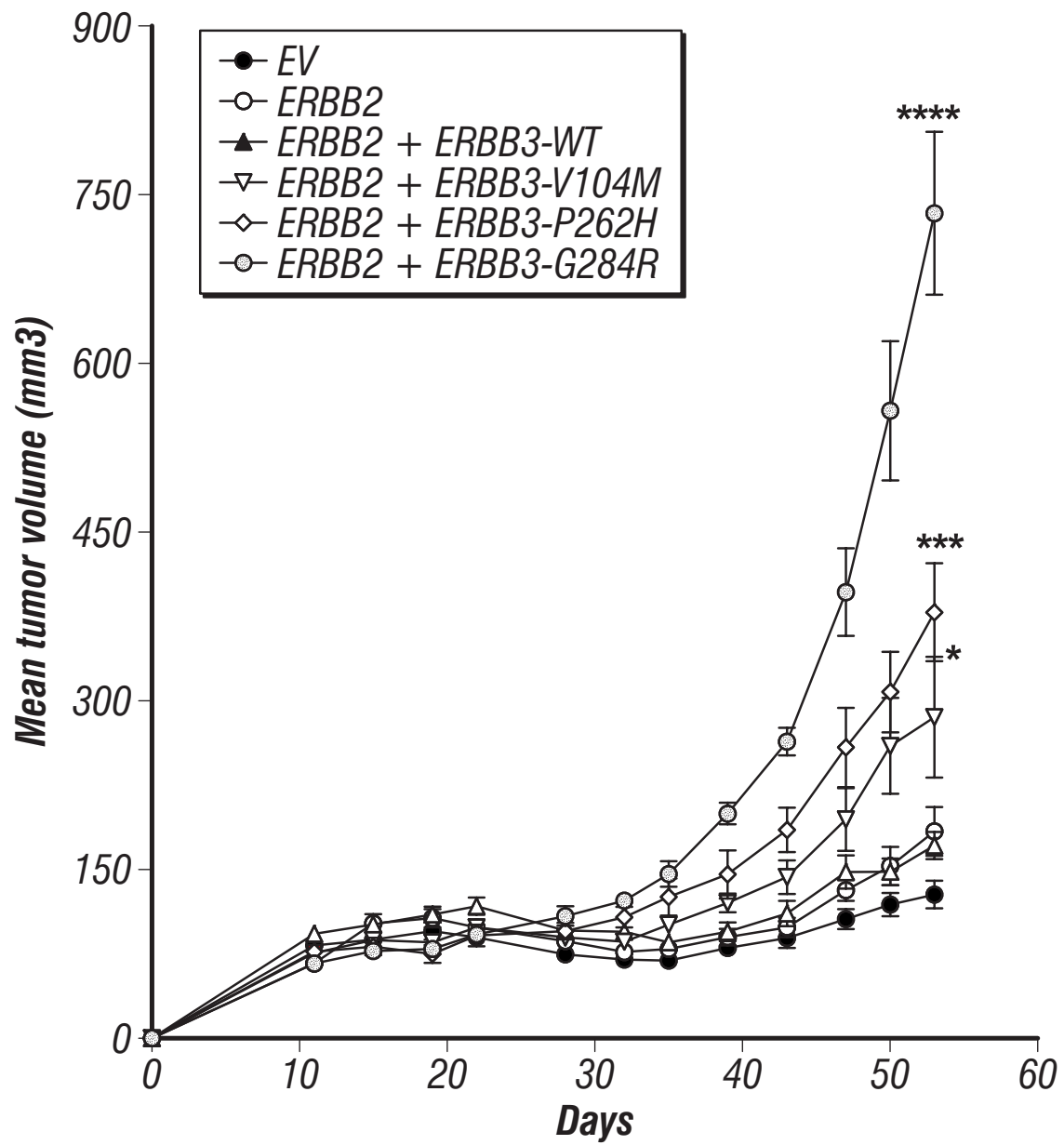


FIG. 13B
(Cont'd)

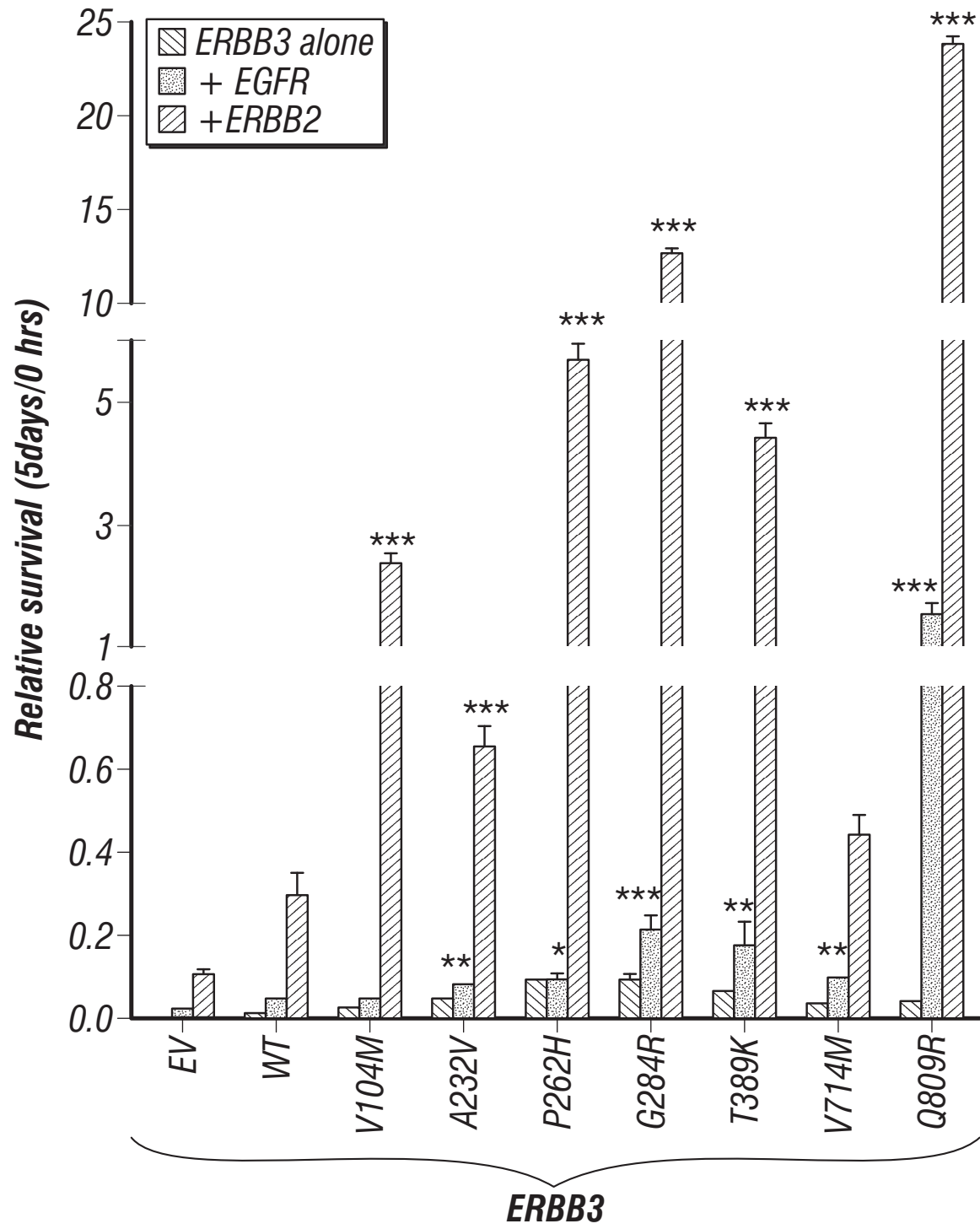


FIG. 14

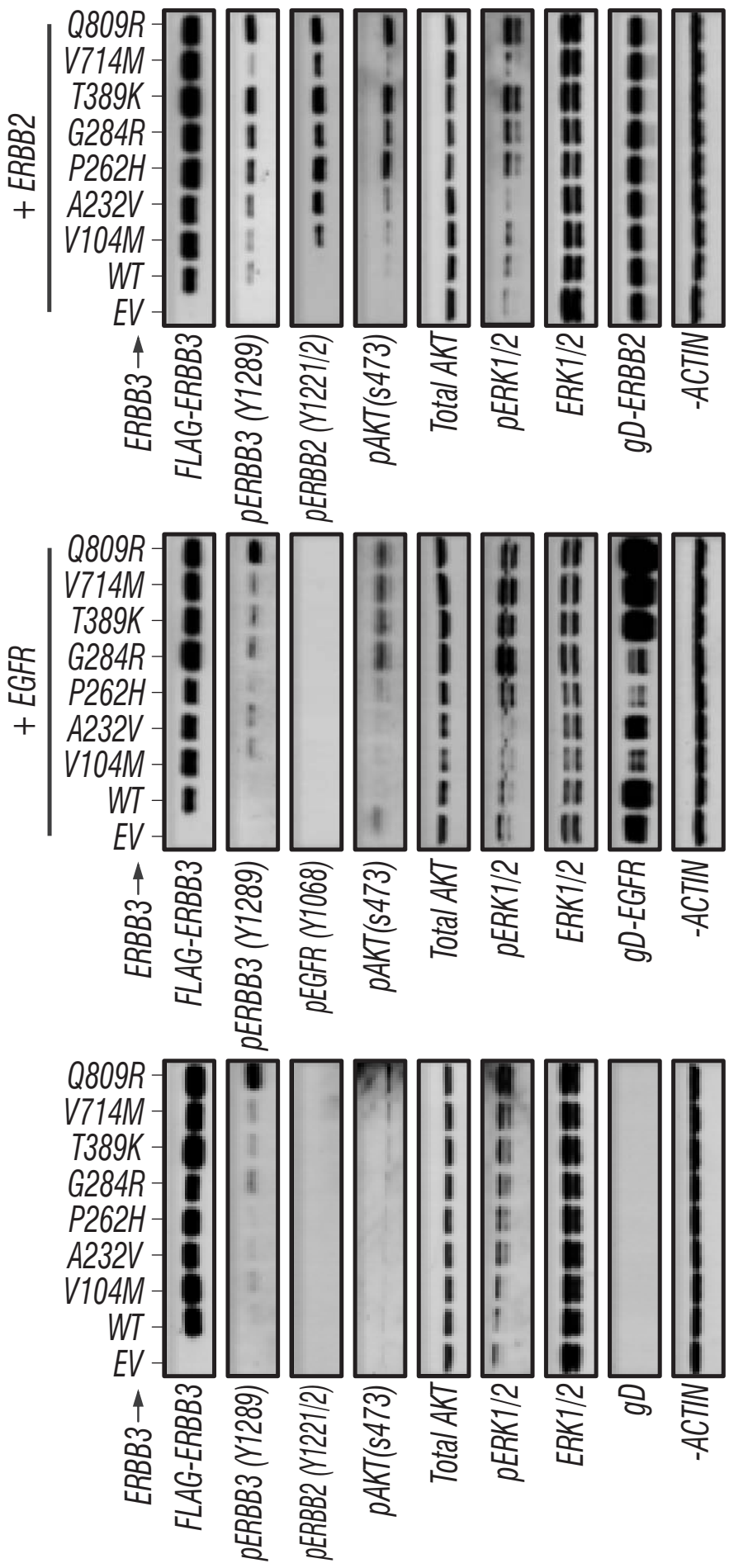


FIG. 15A

FIG. 15B

FIG. 15C

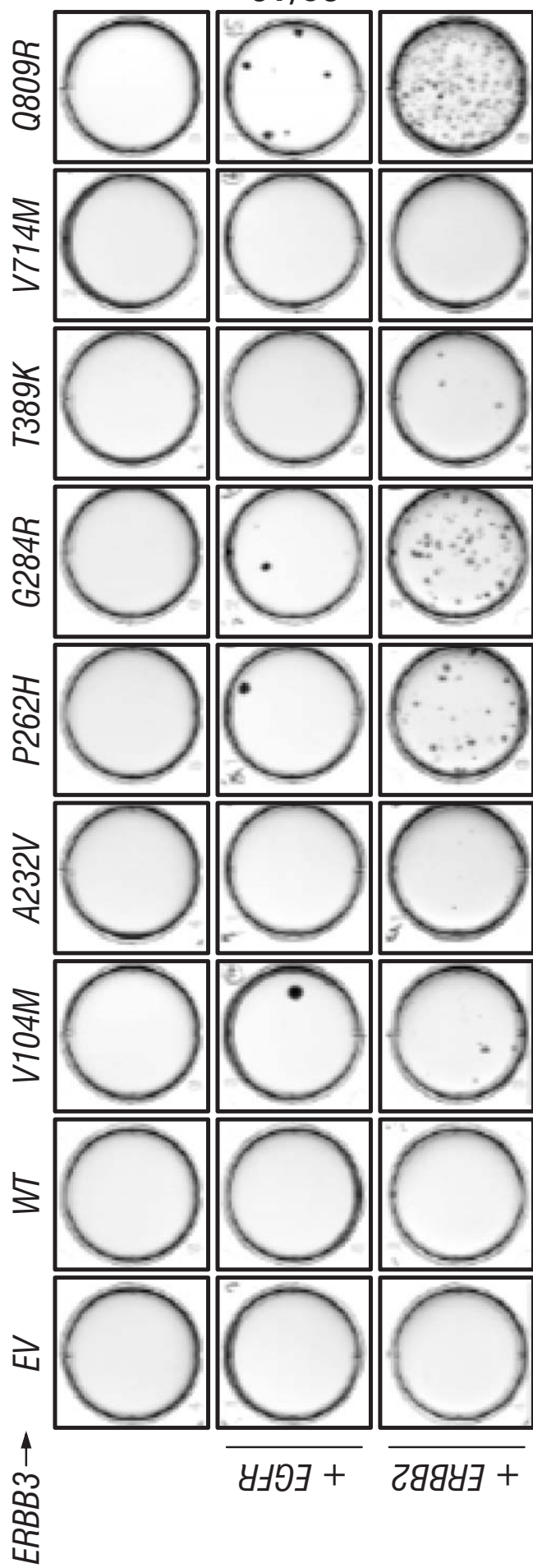


FIG. 16

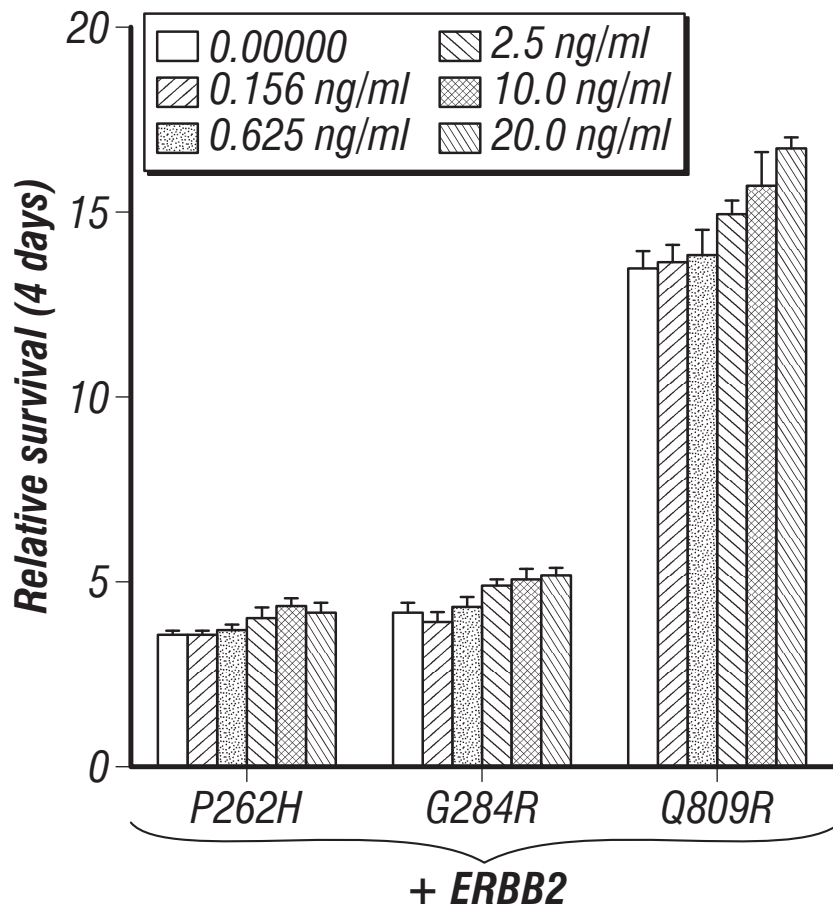


FIG. 17

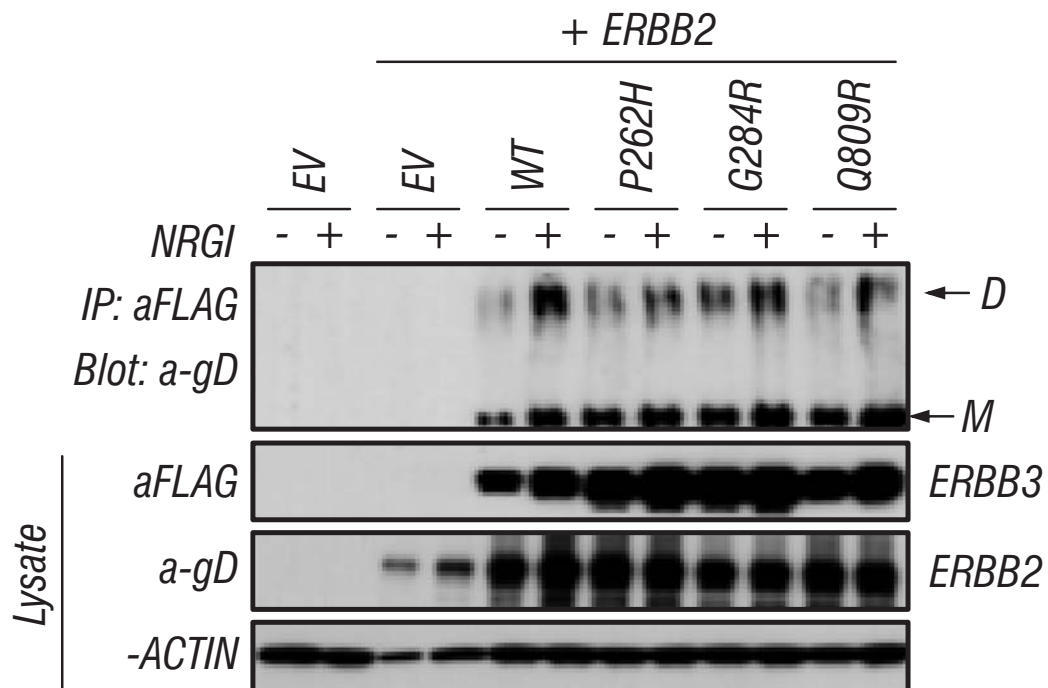


FIG. 18

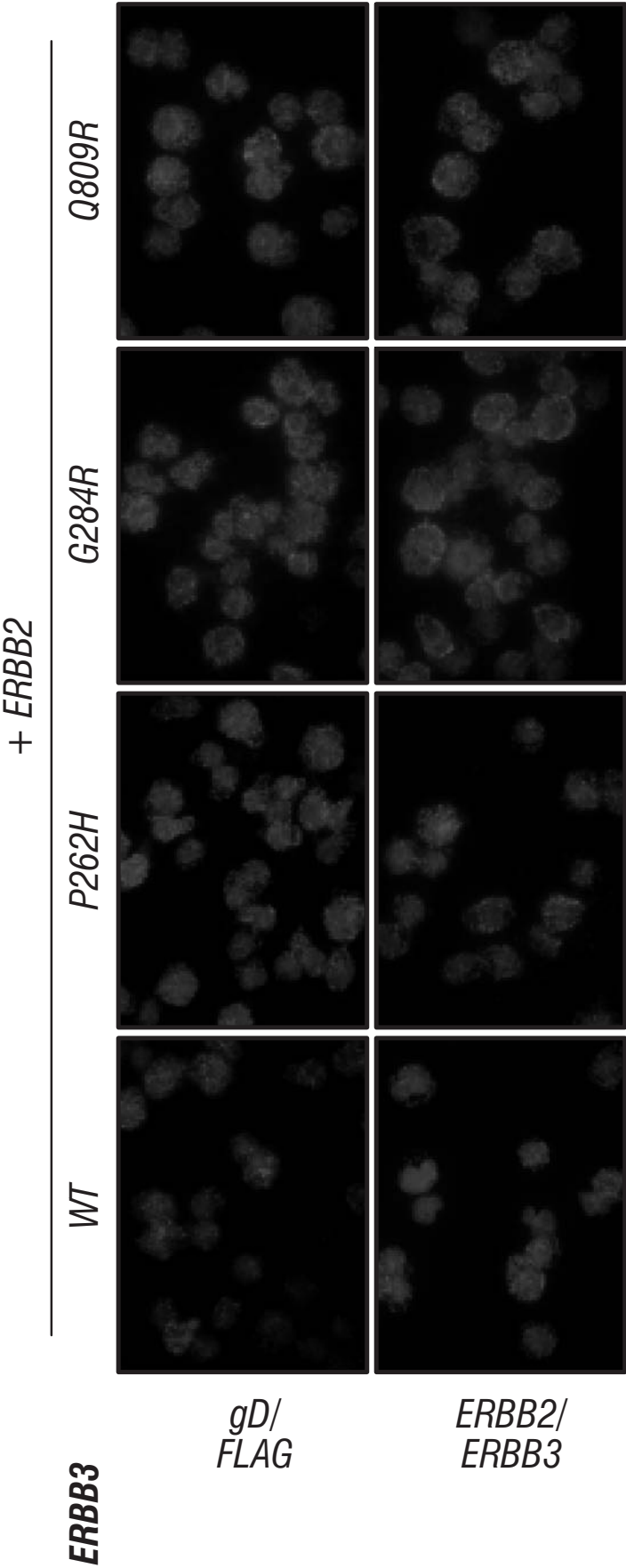


FIG. 19

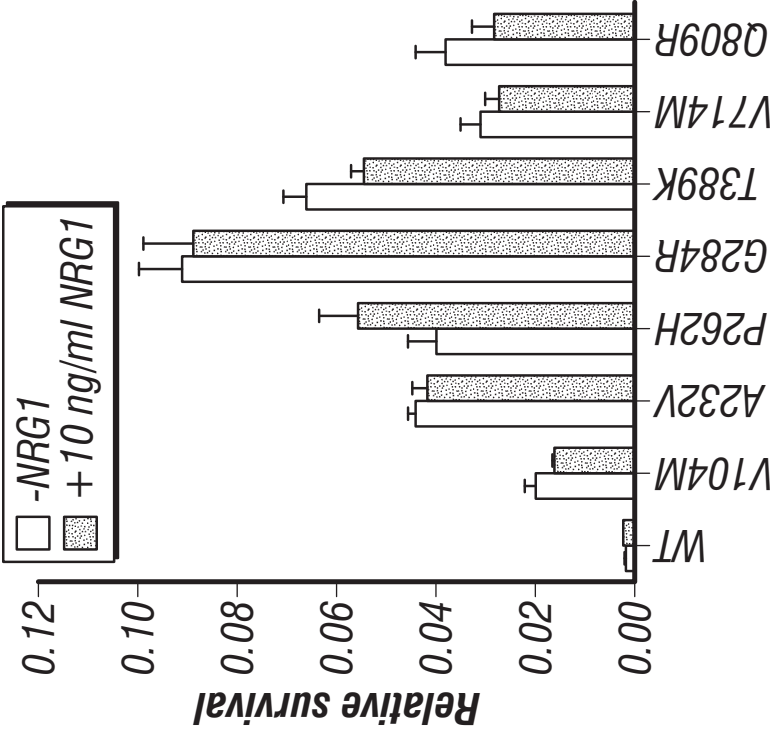


FIG. 20C

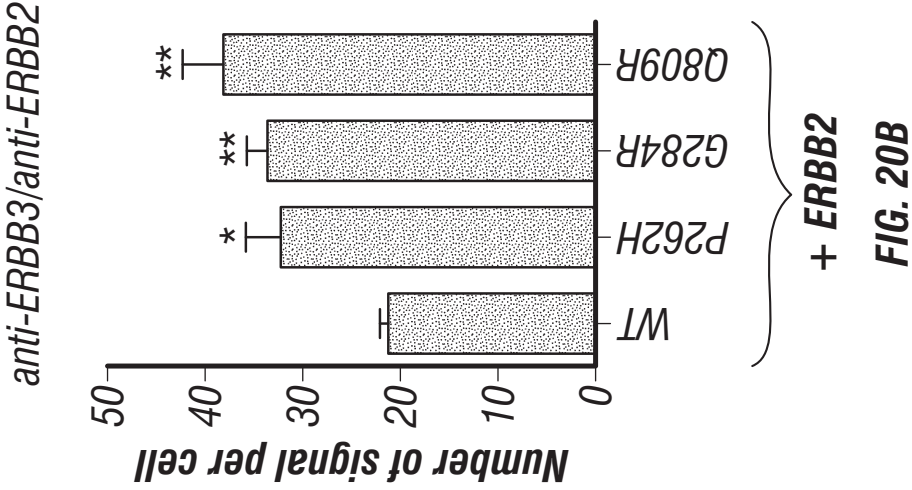


FIG. 20B

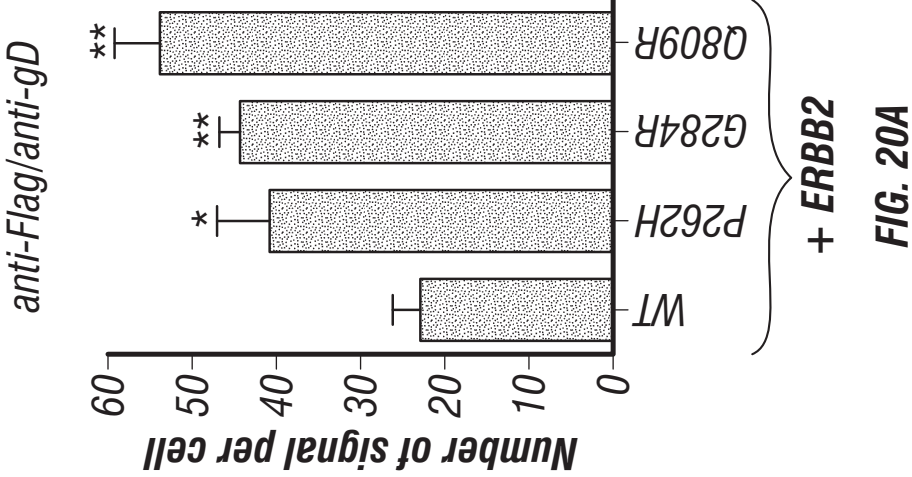


FIG. 20A

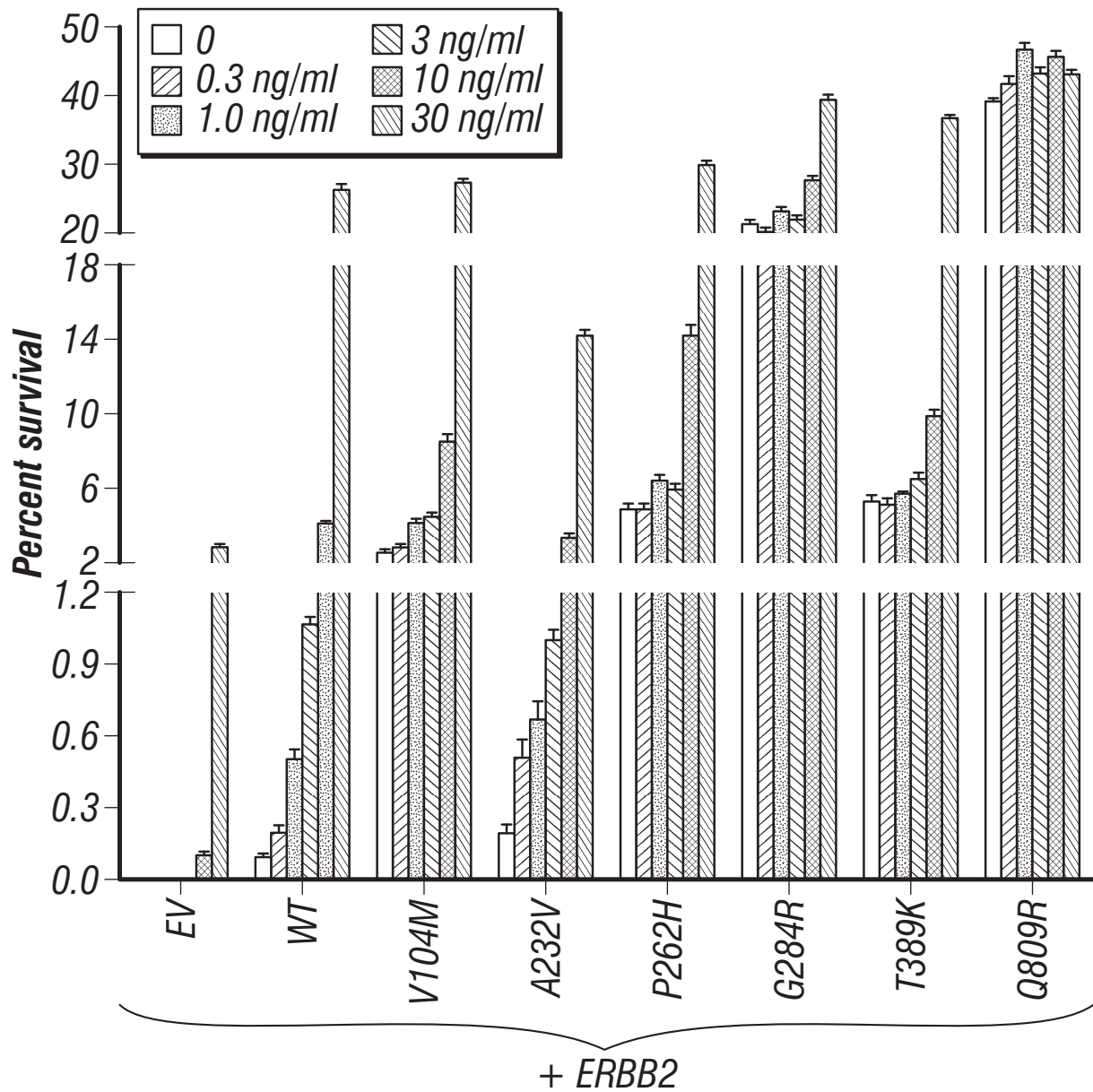


FIG. 21

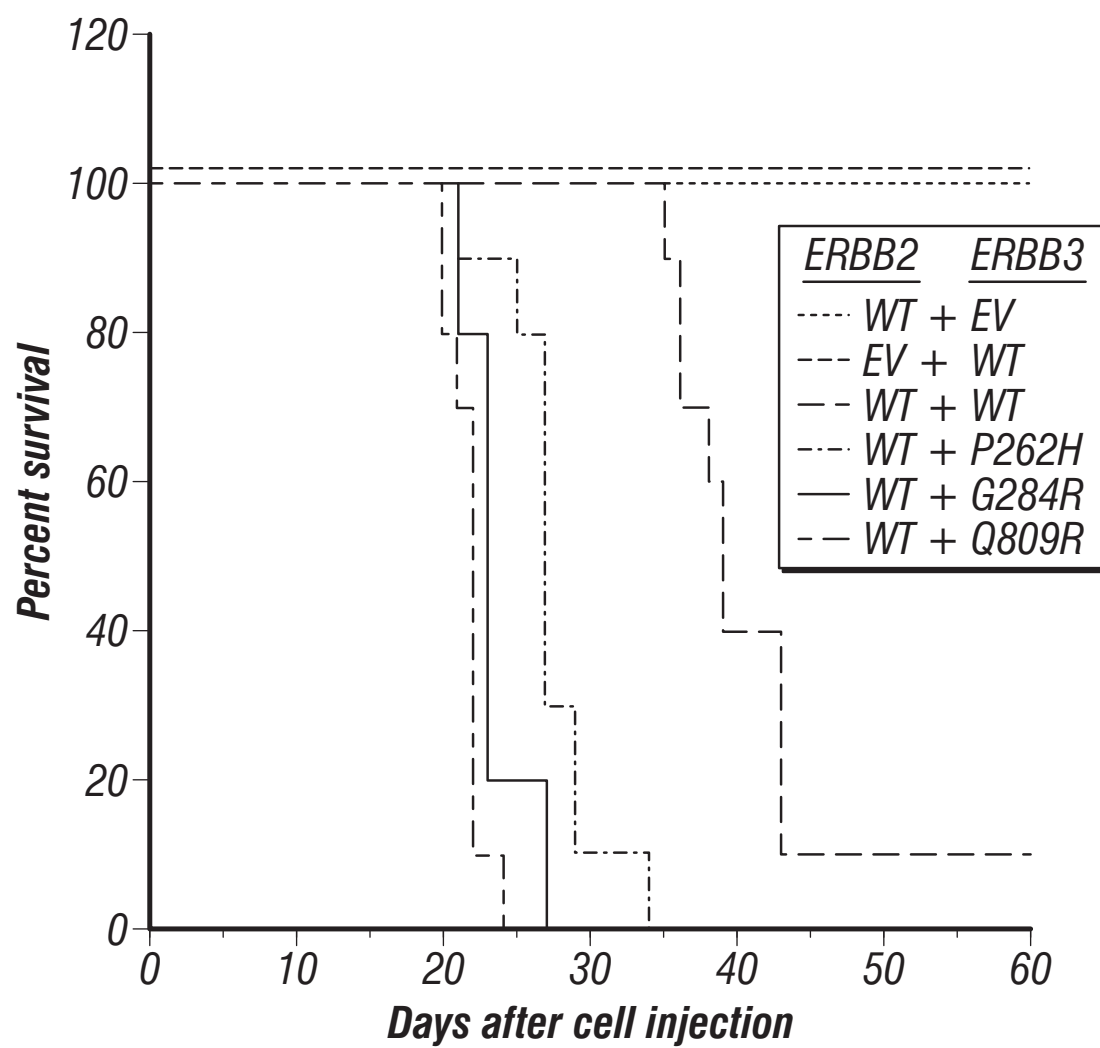


FIG. 22

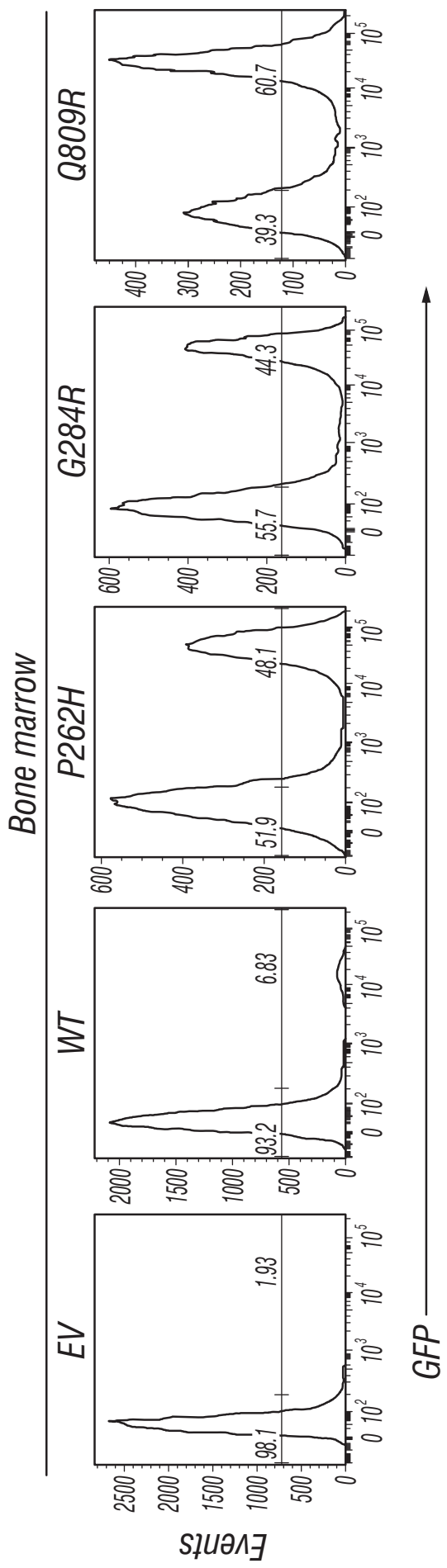


FIG. 23A

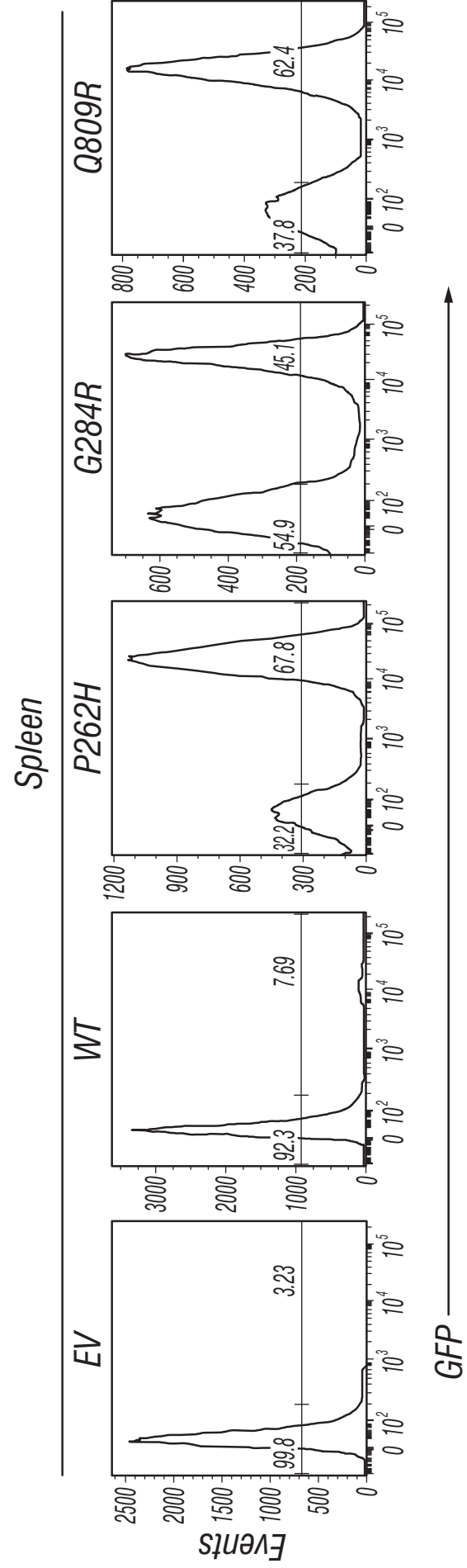
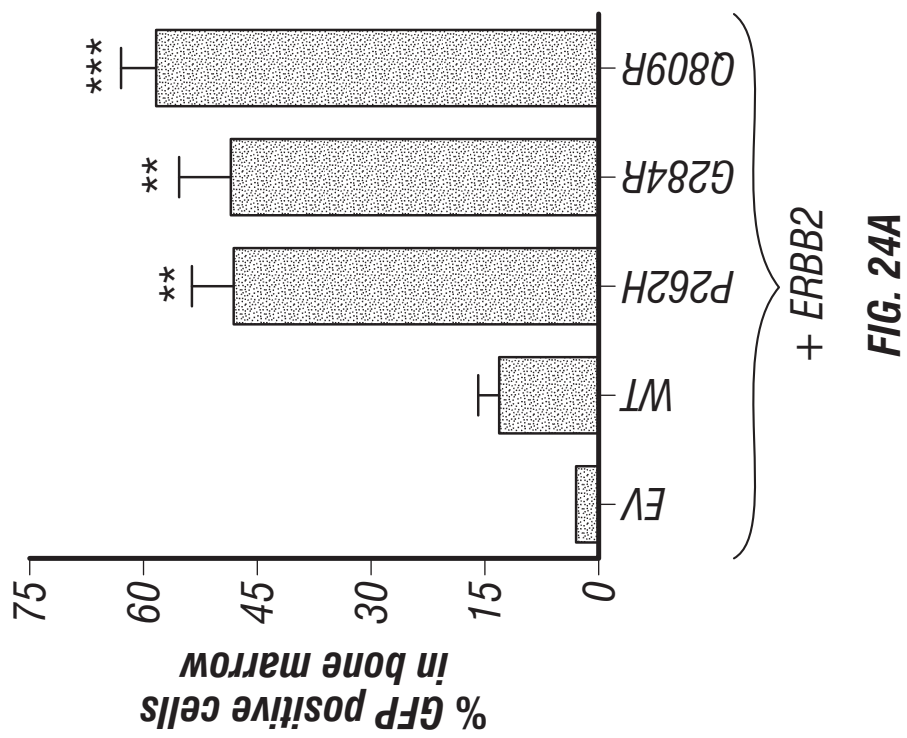
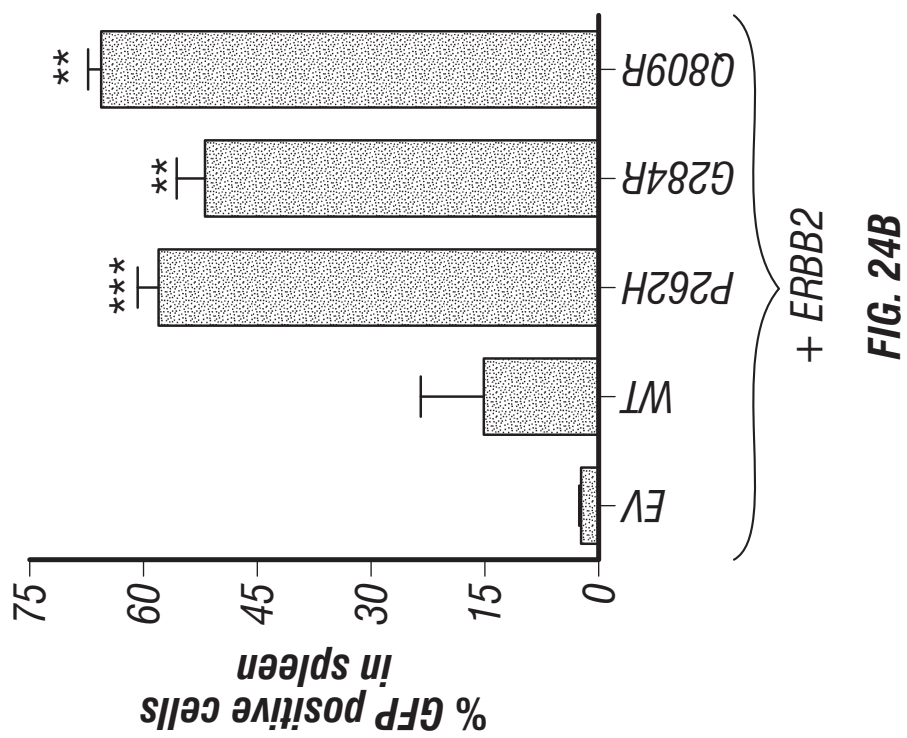
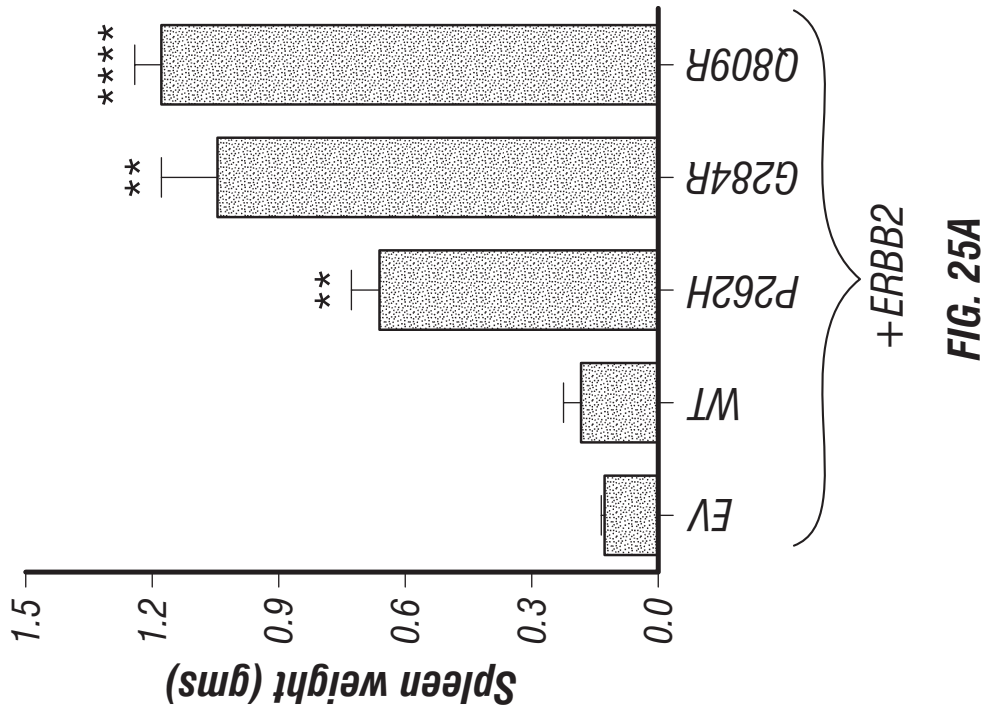
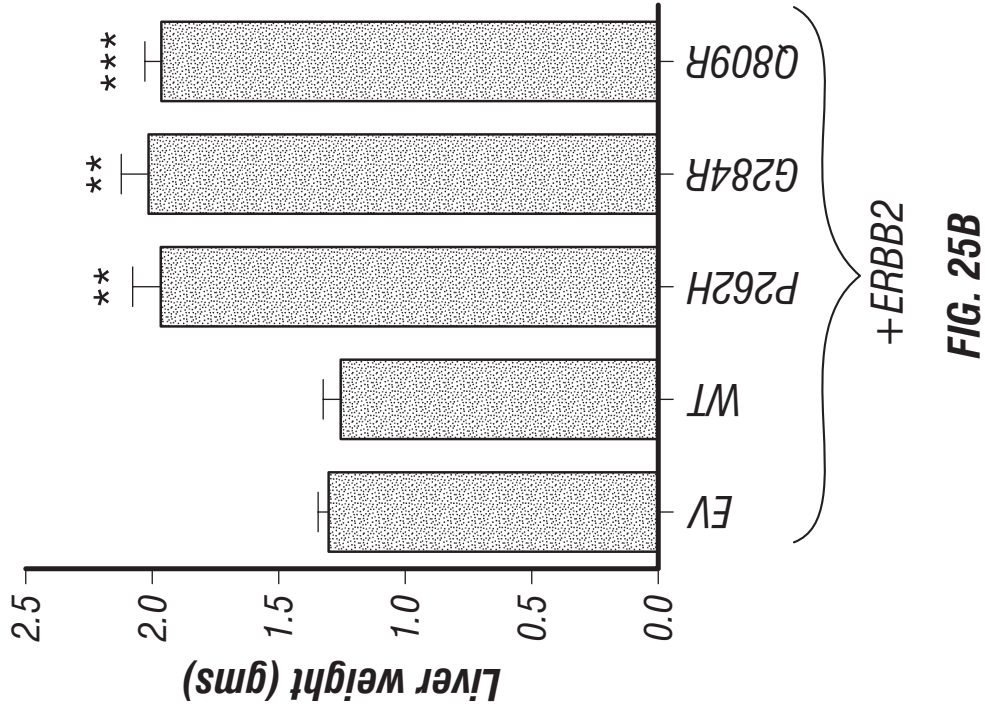


FIG. 23B





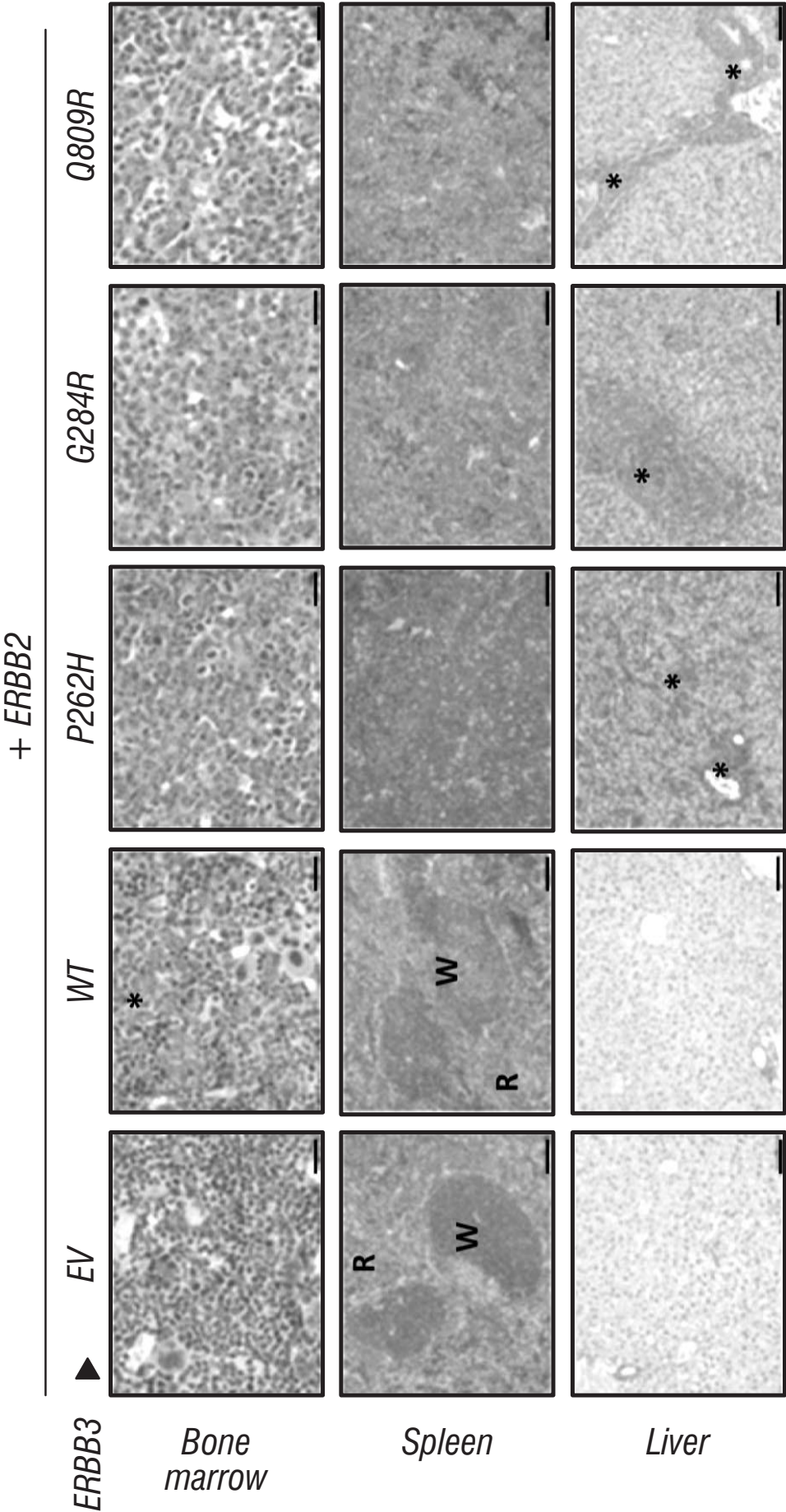


FIG. 26

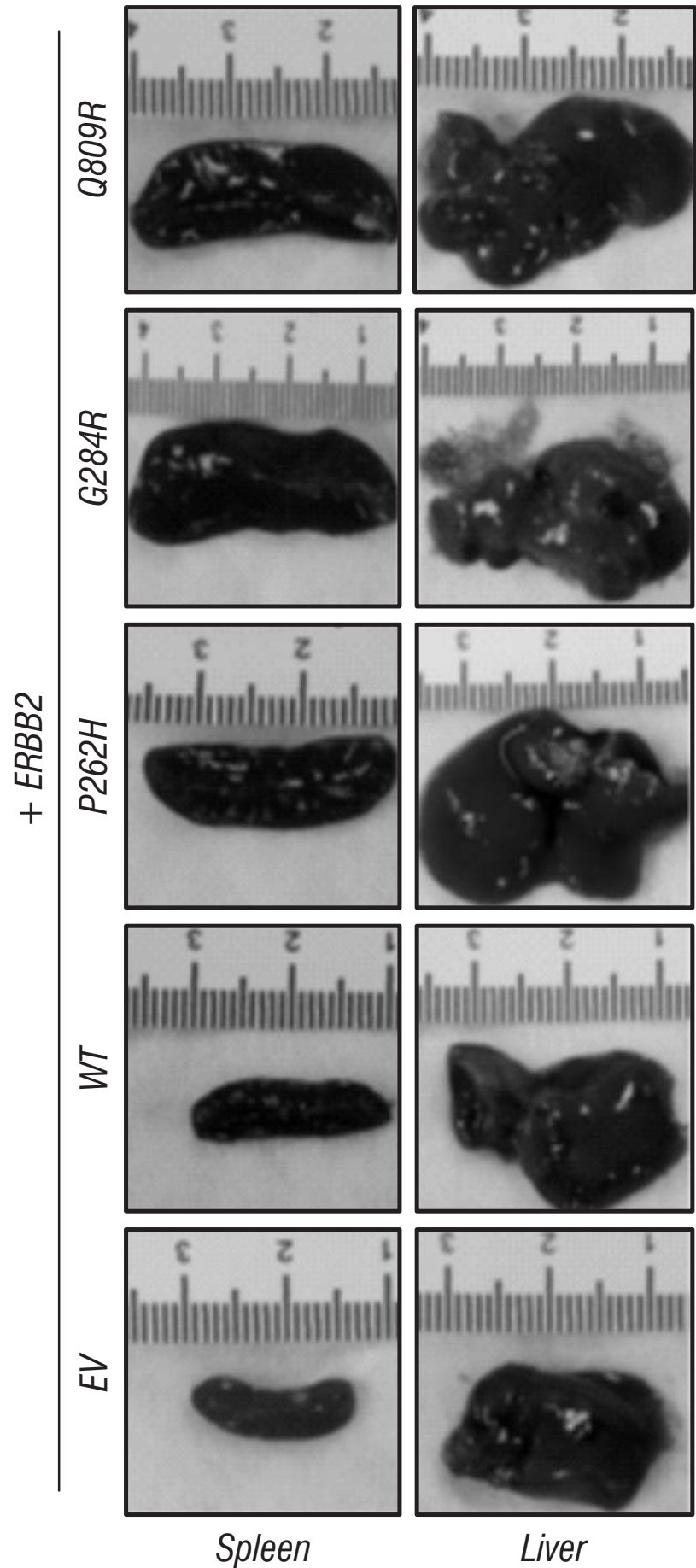


FIG. 27

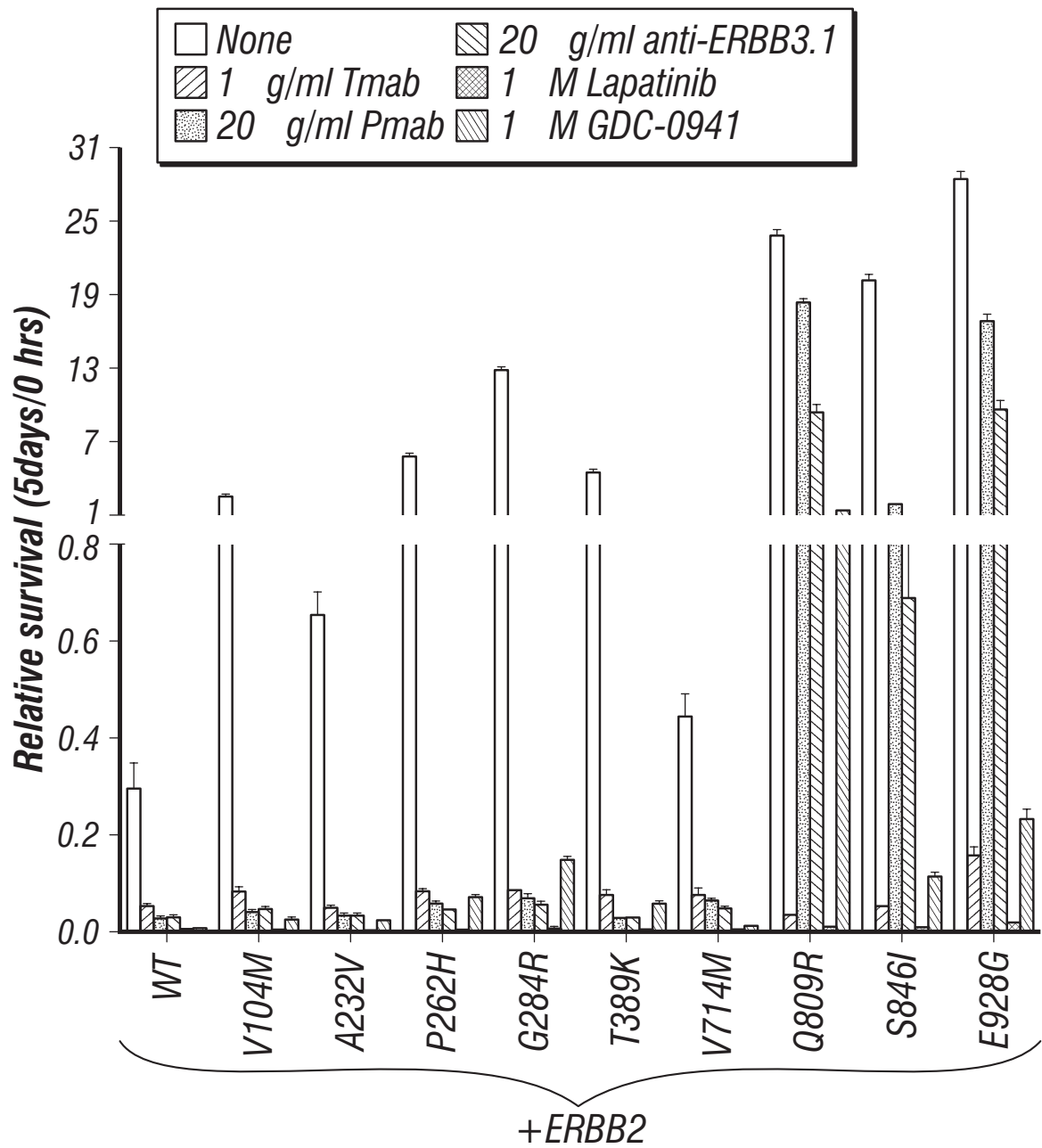


FIG. 28

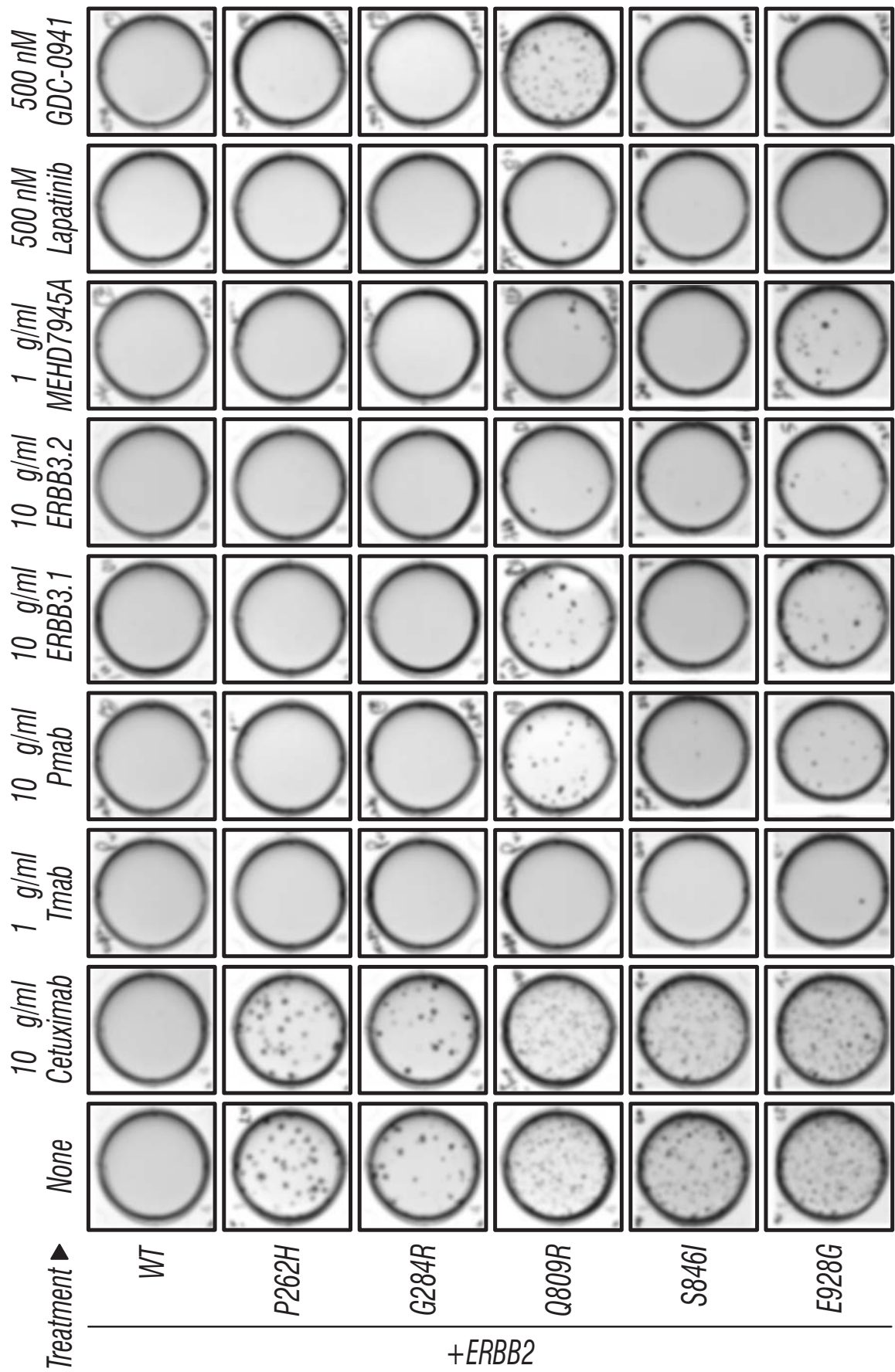


FIG. 29

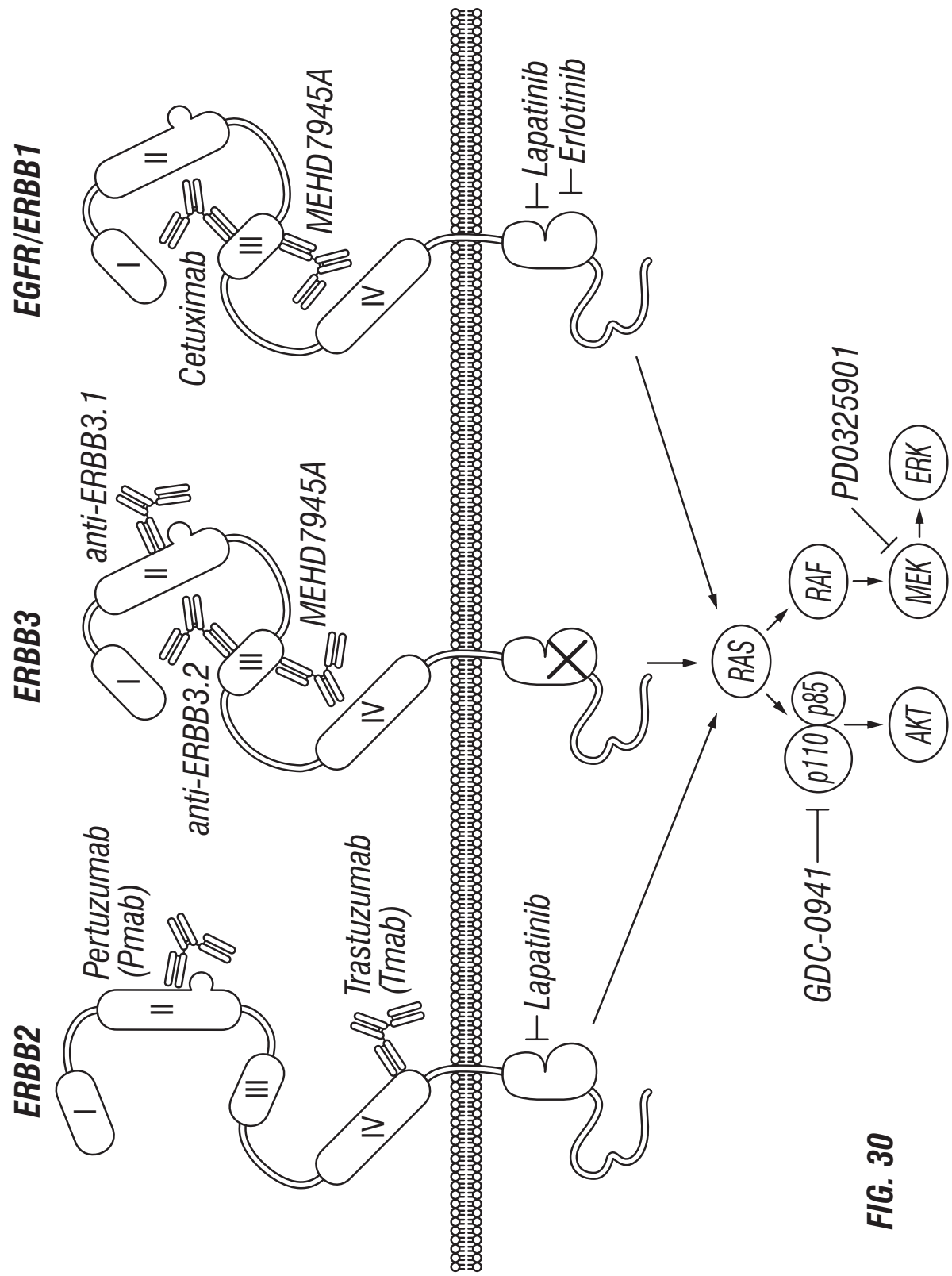


FIG. 30

65/83

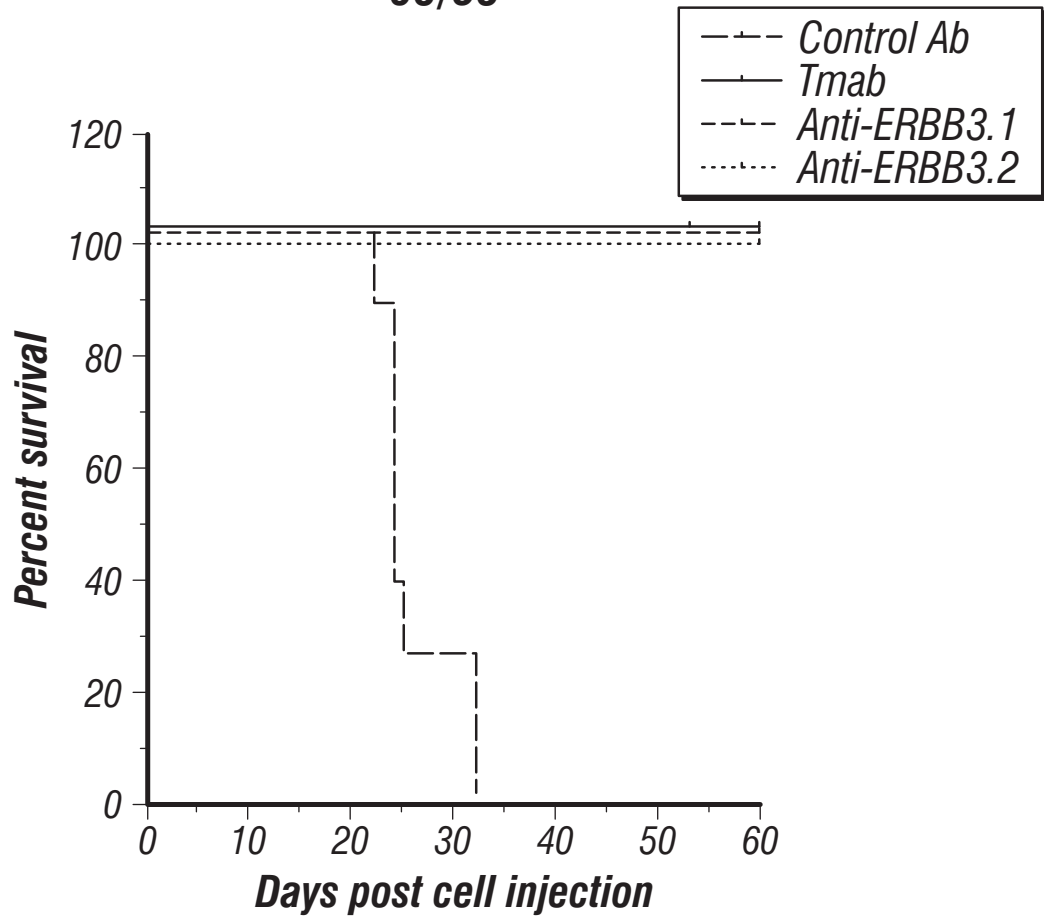


FIG. 31A

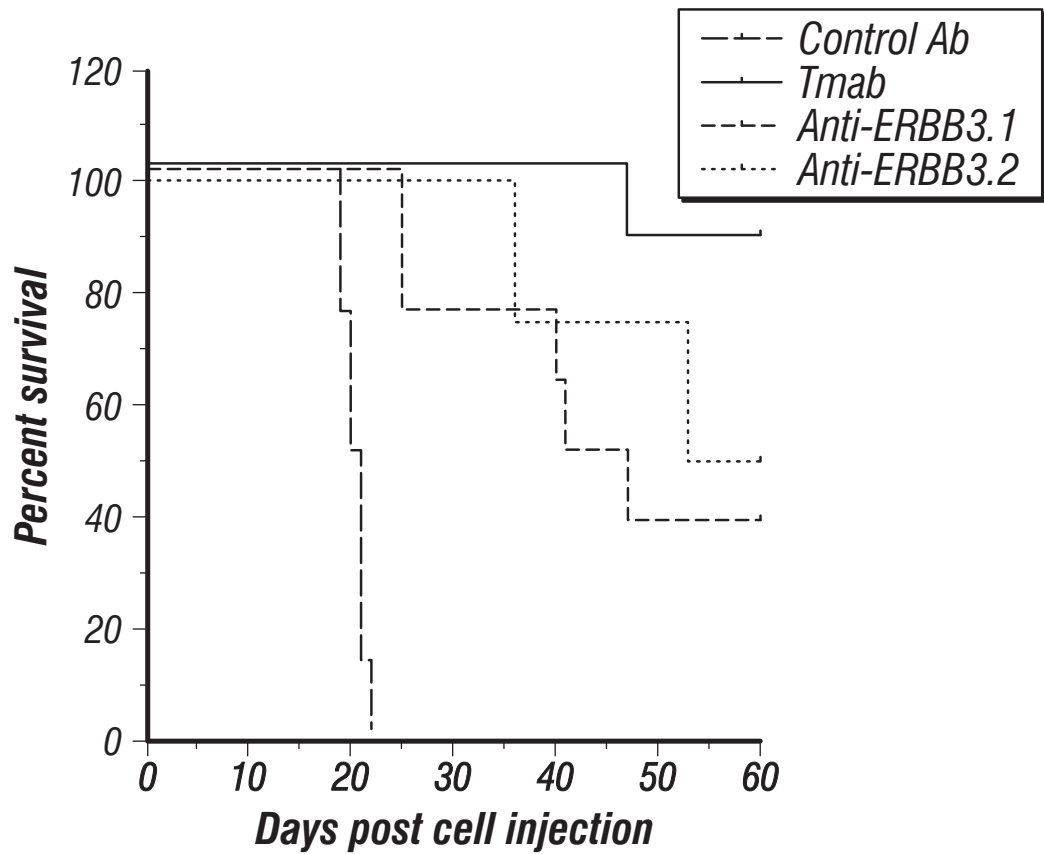


FIG. 31B

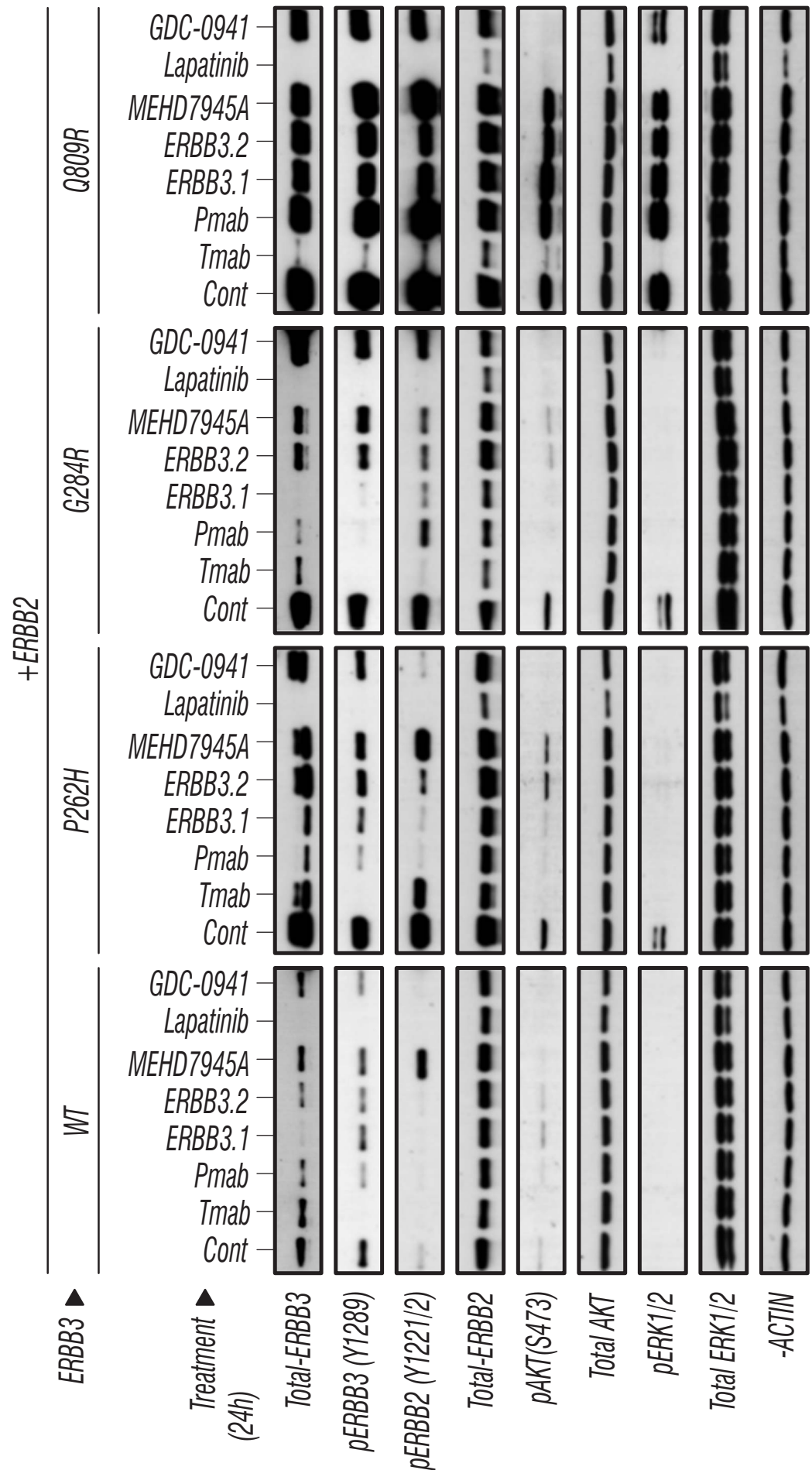


FIG. 32

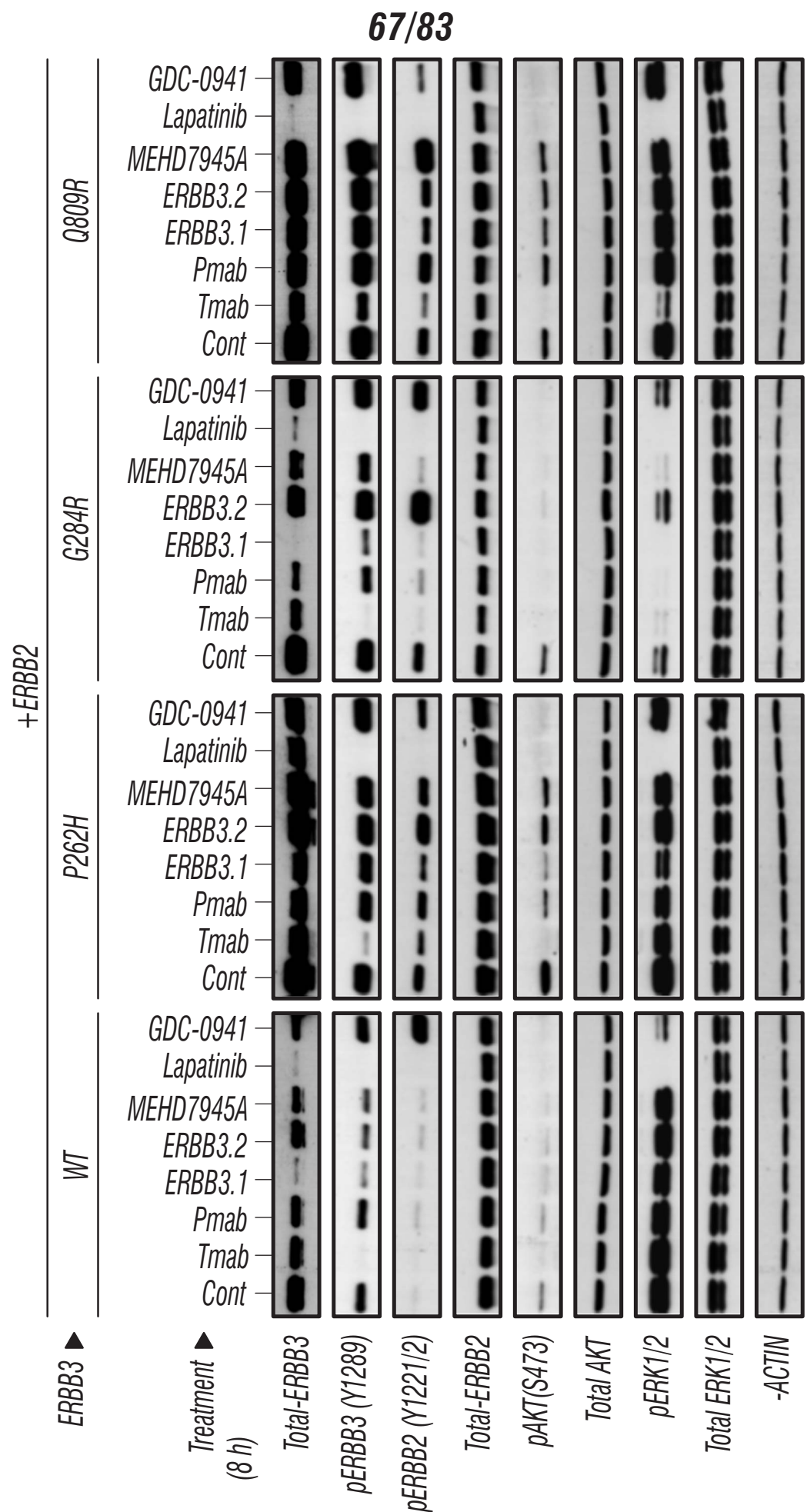


FIG. 33

68/83

G284R

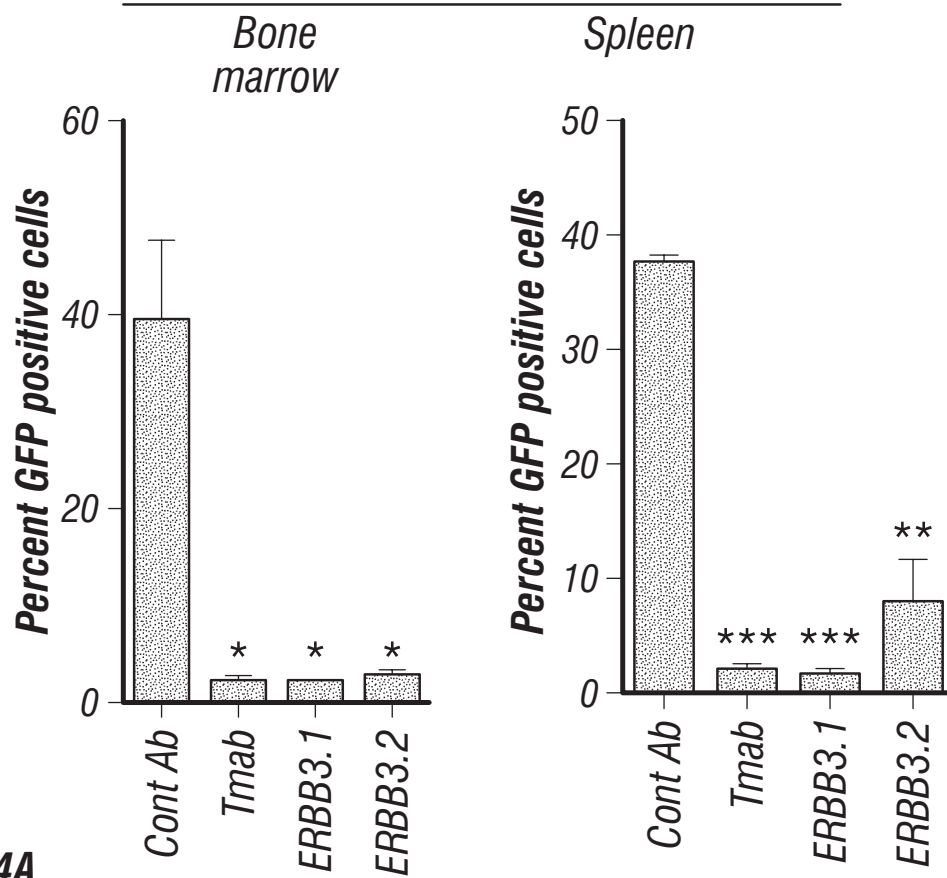


FIG. 34A

G809R

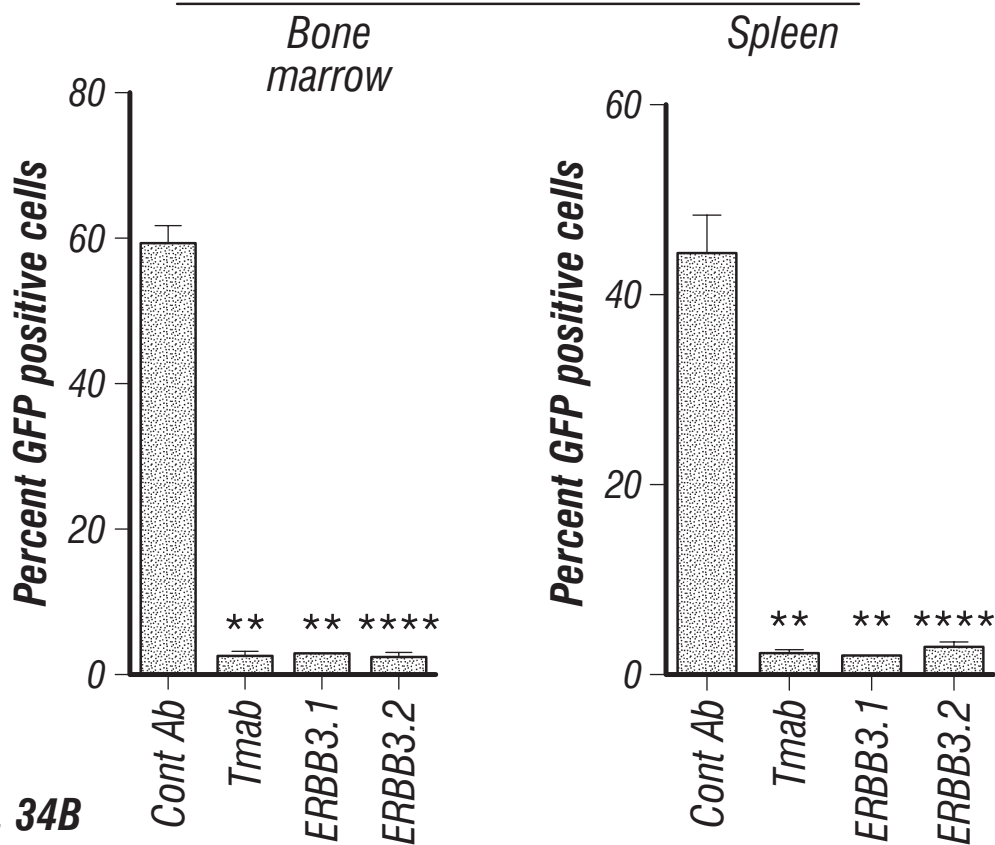


FIG. 34B

69/83

G284R

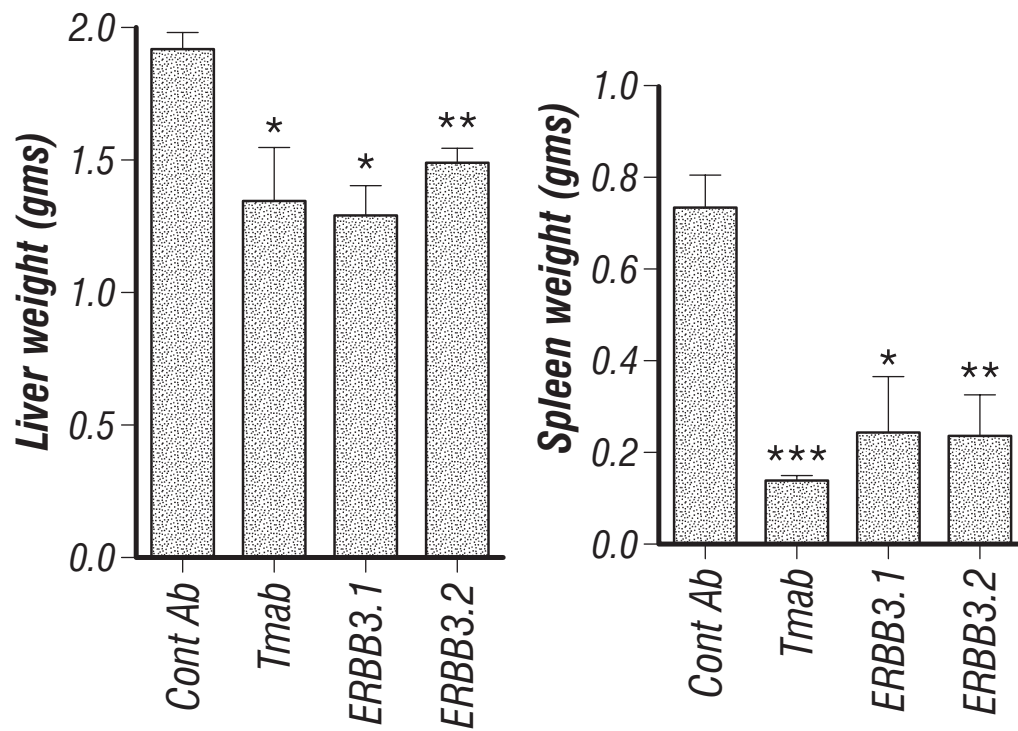


FIG. 35A

Q809R

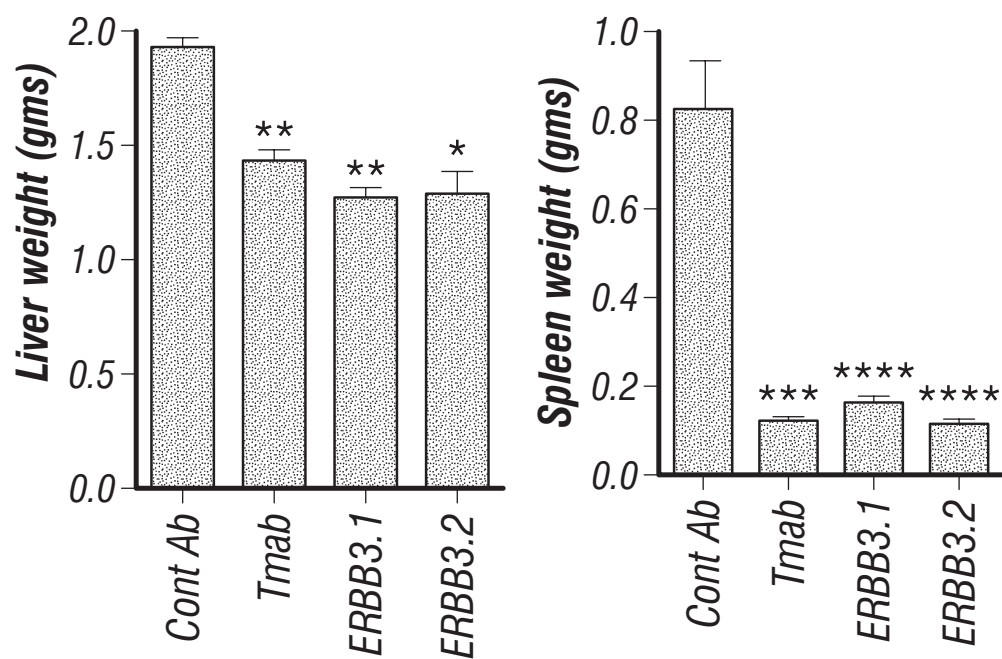


FIG. 35B

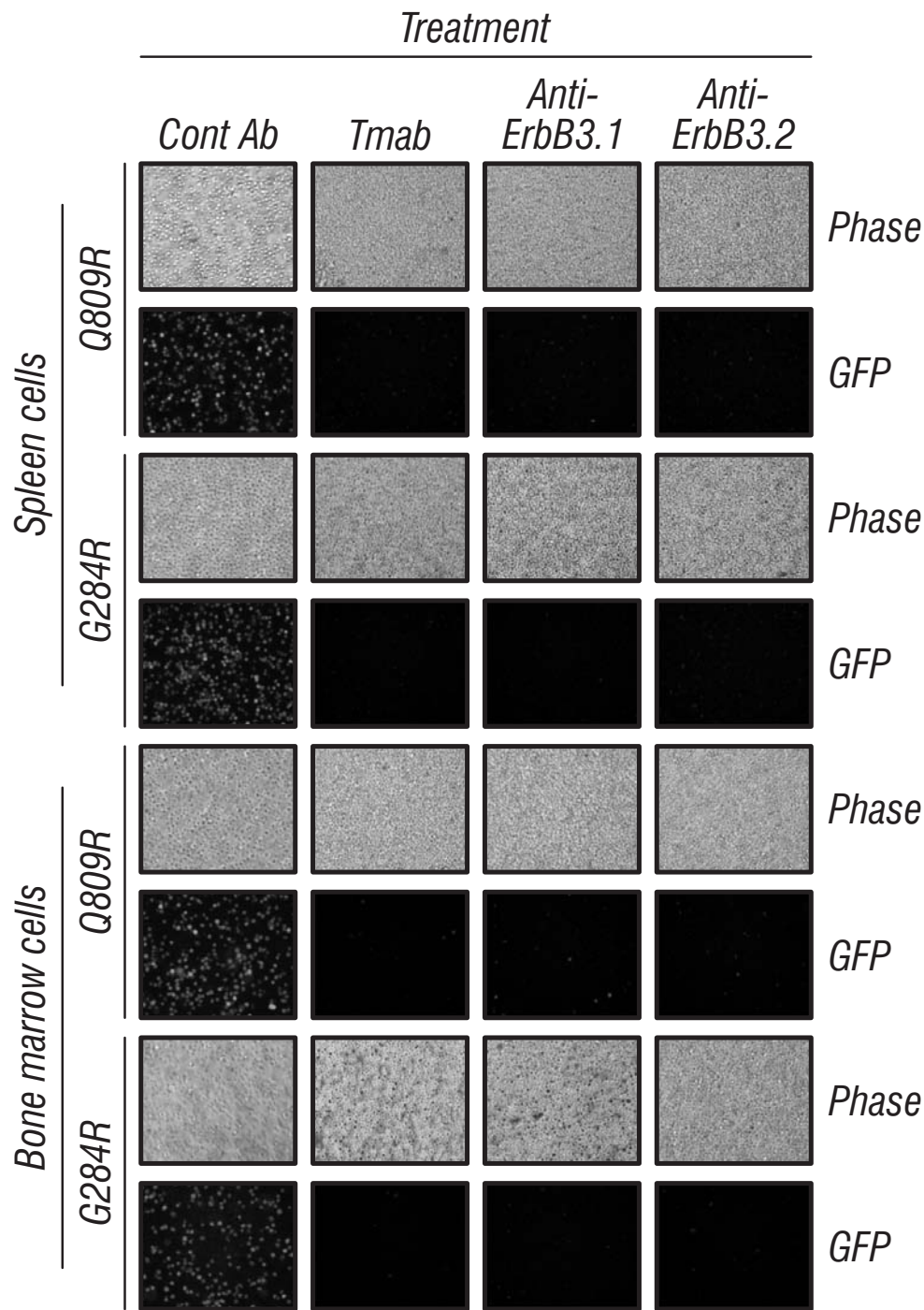


FIG. 36

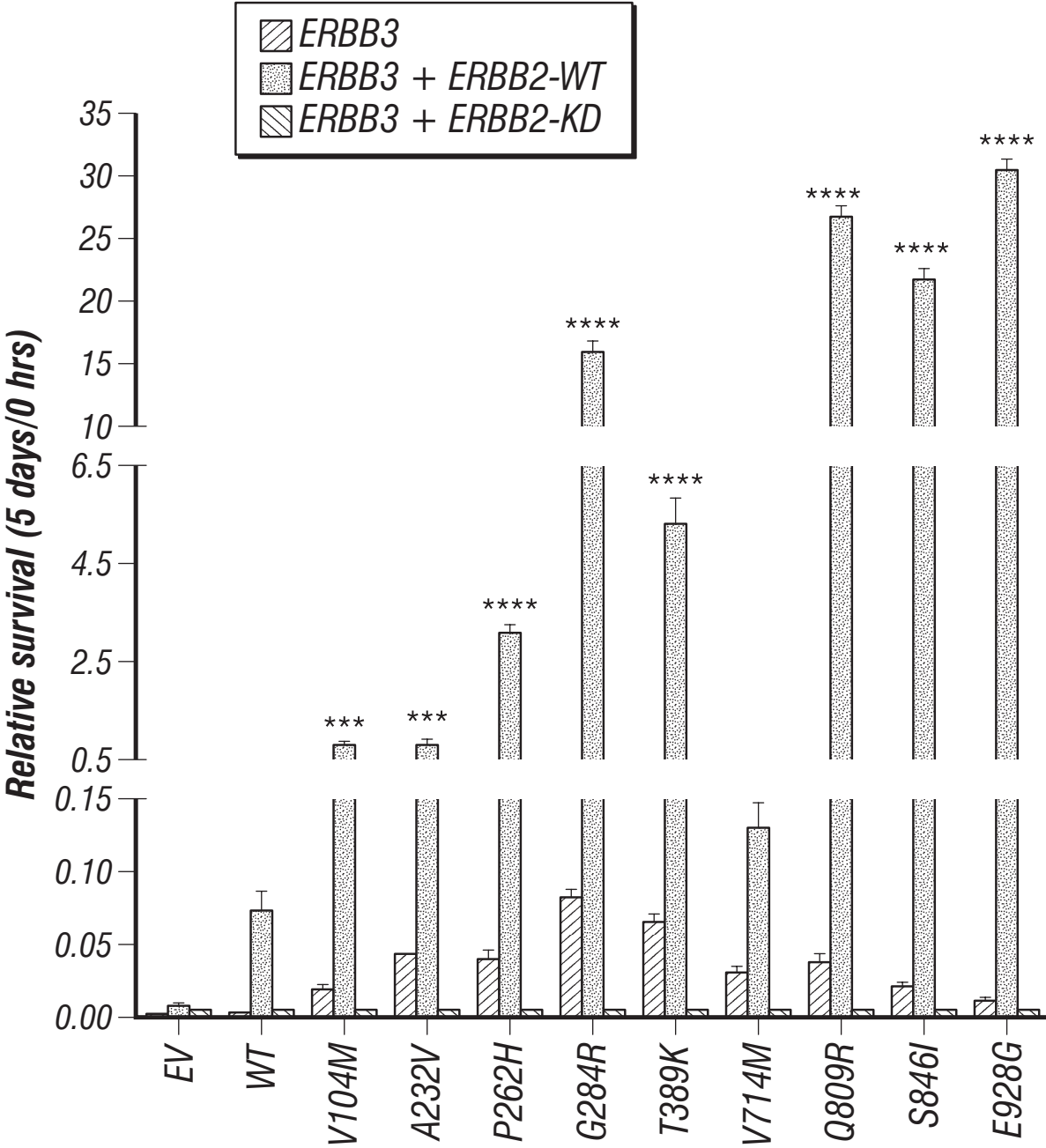


FIG. 37A

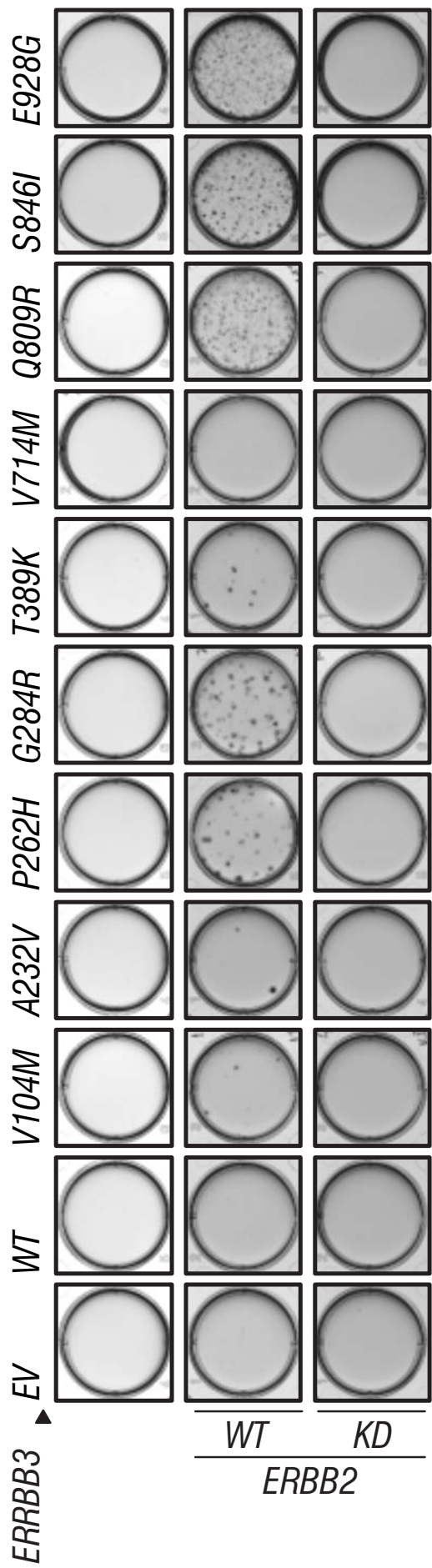


FIG. 37B

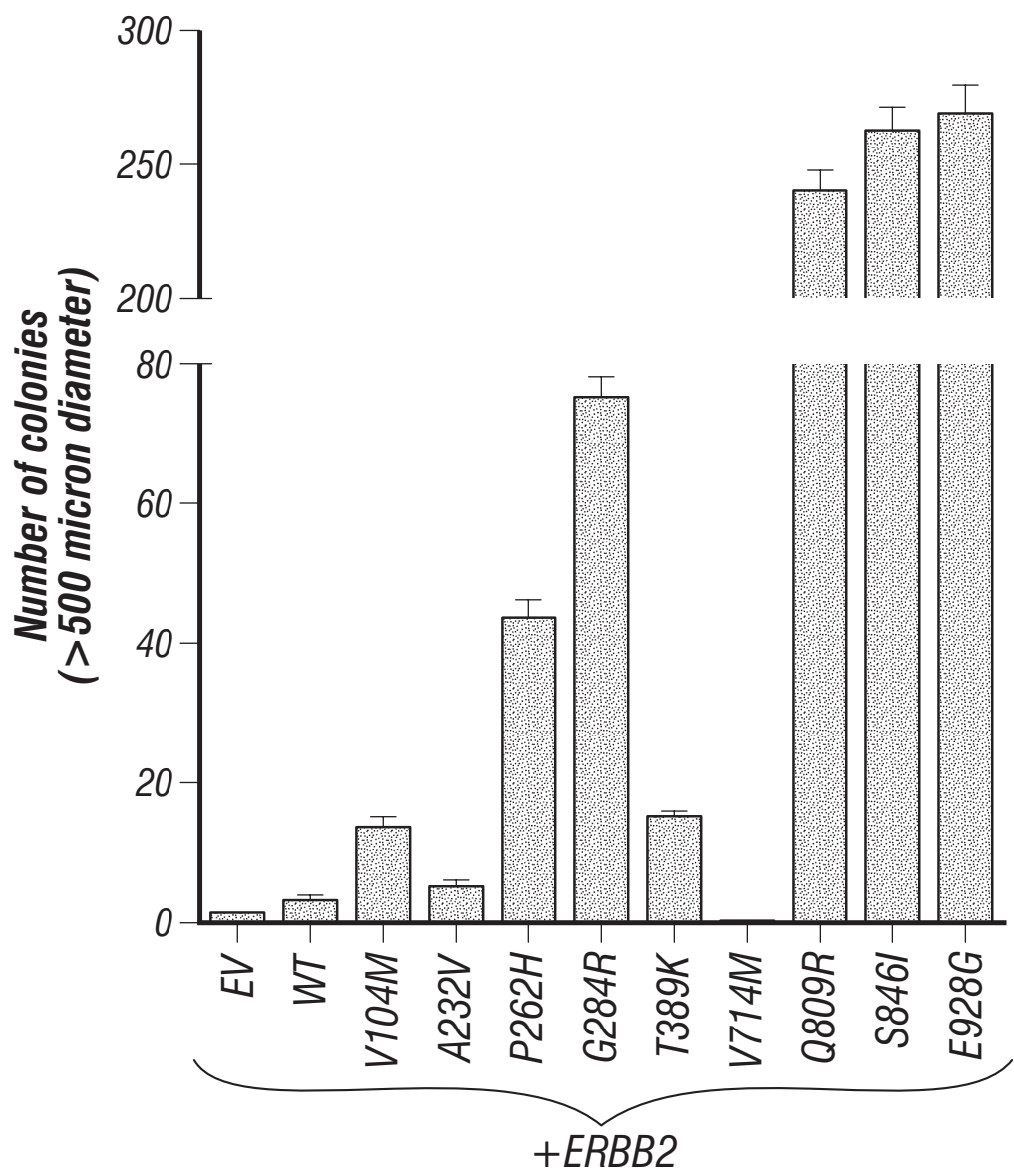


FIG. 37C

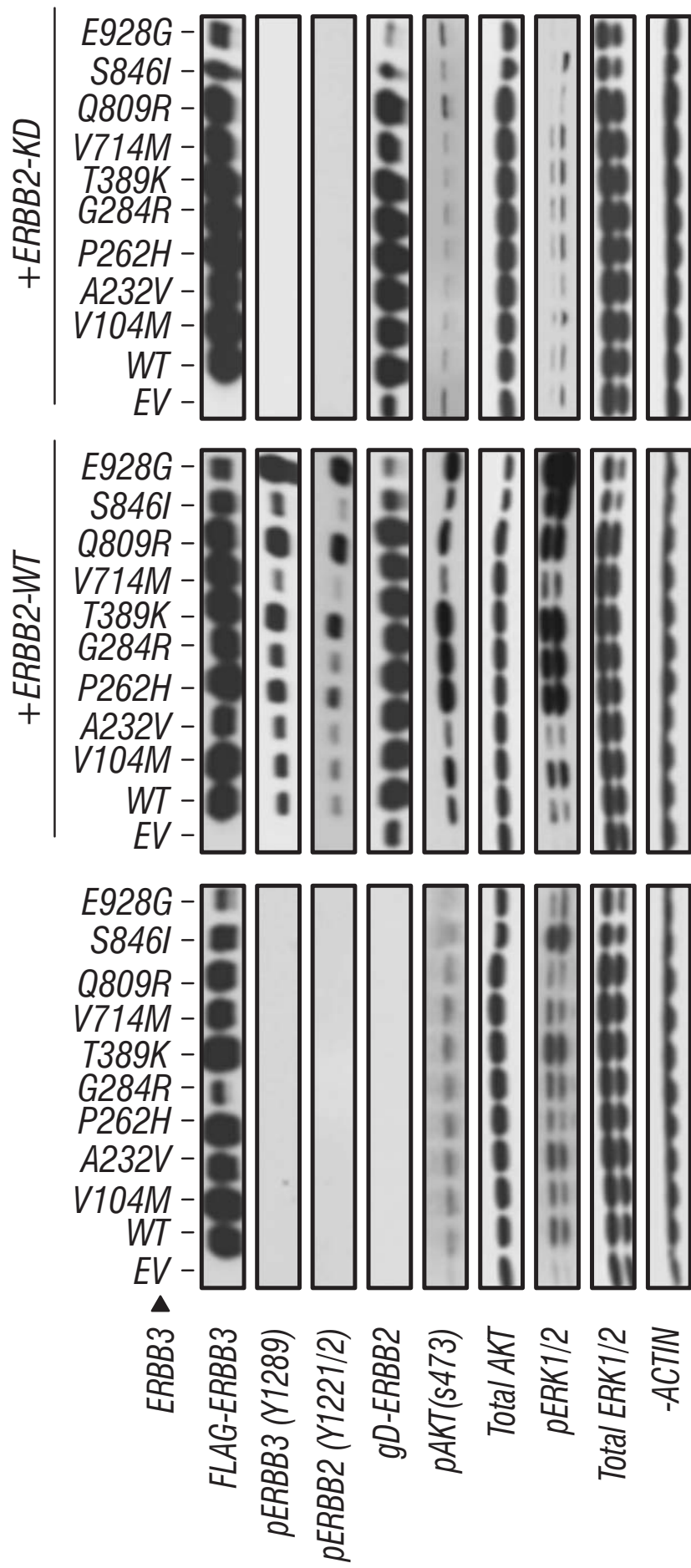


FIG. 37F

FIG. 37E

FIG. 37D

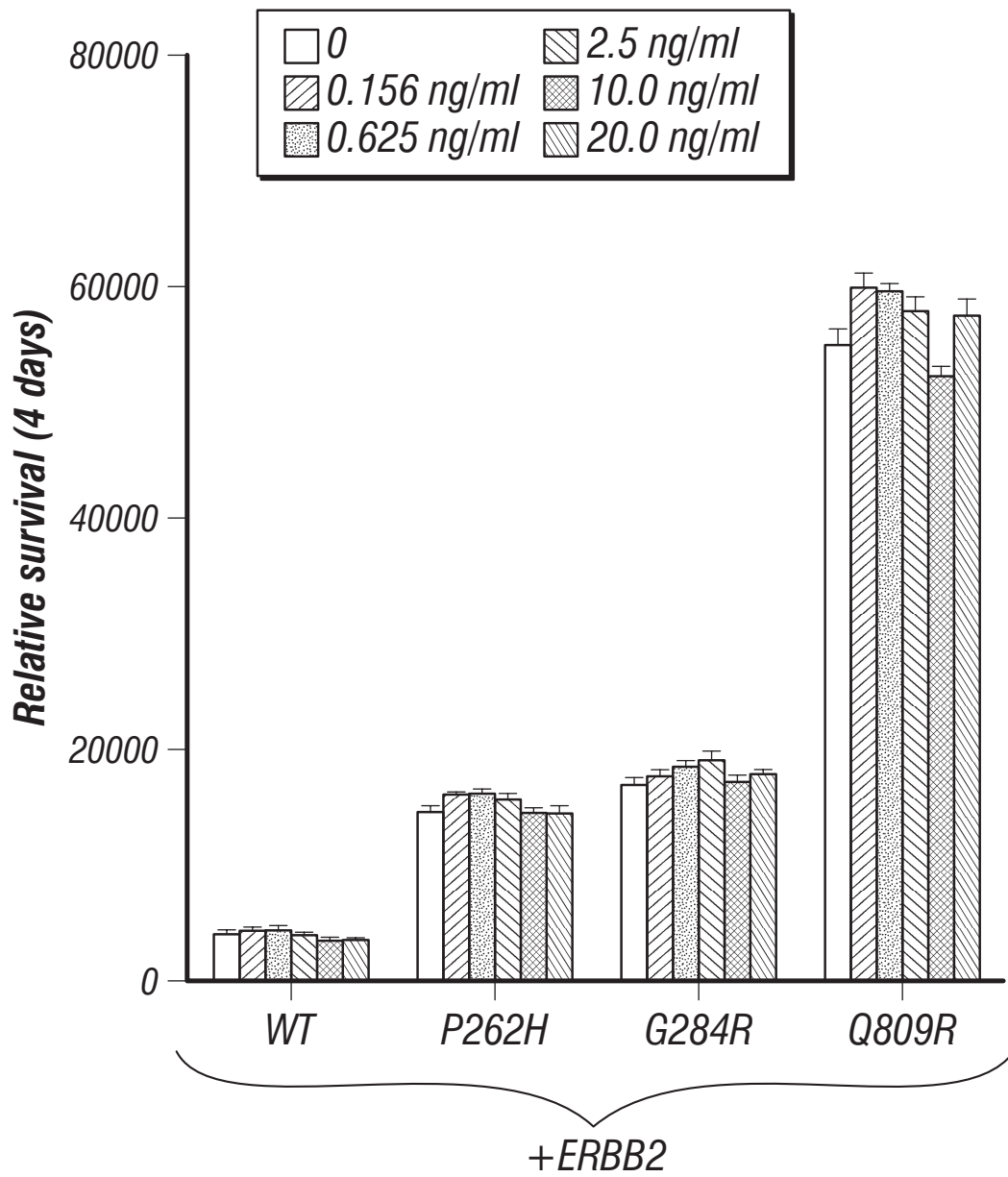


FIG. 37G

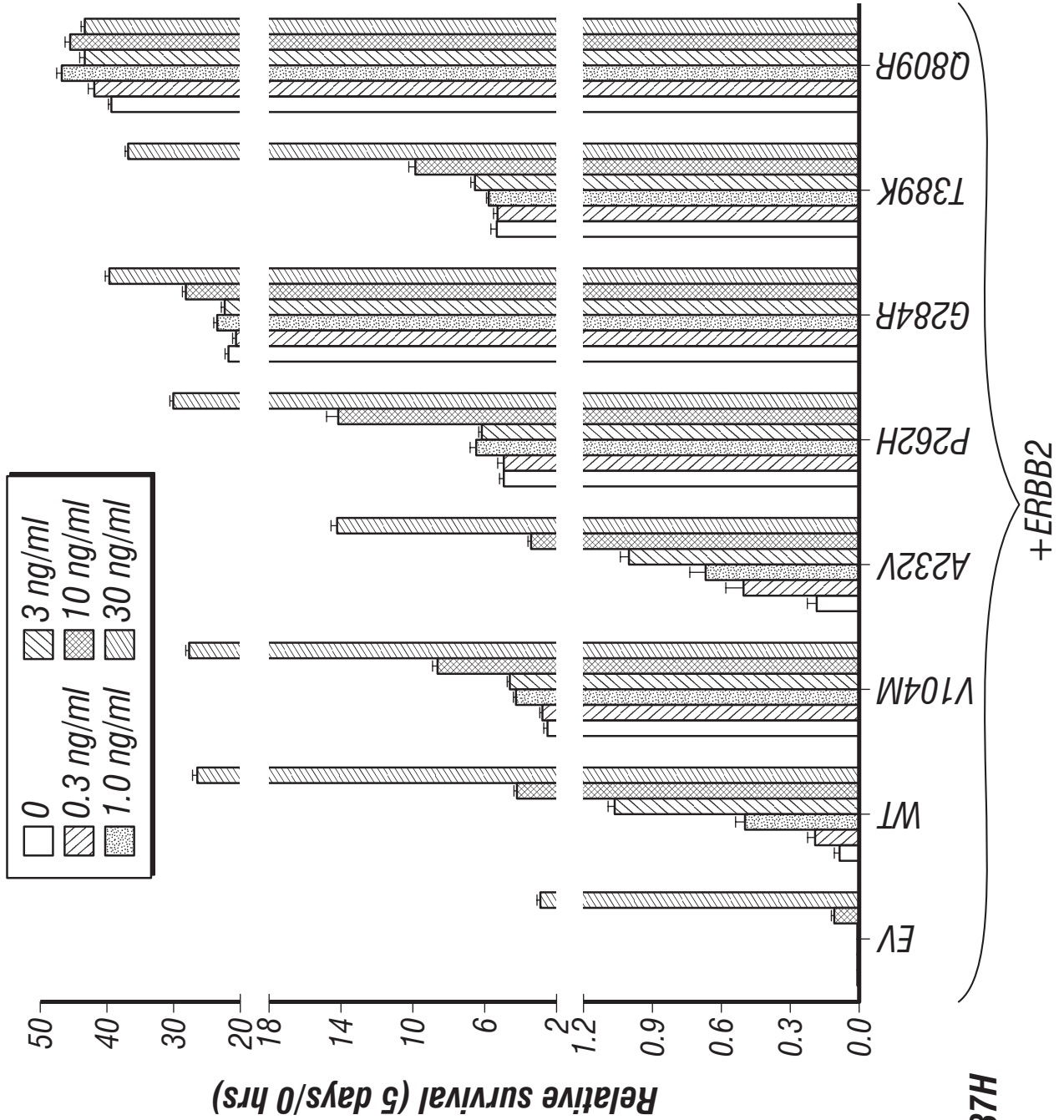


FIG. 37H

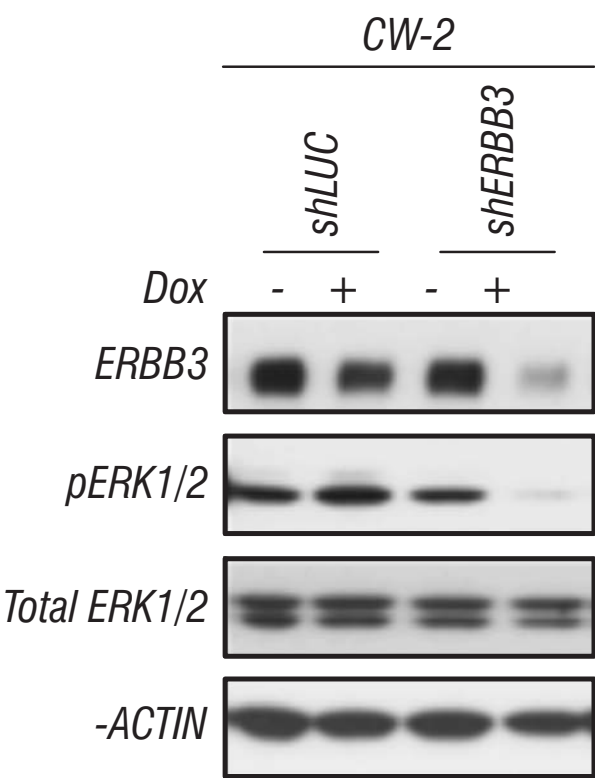


FIG. 38A

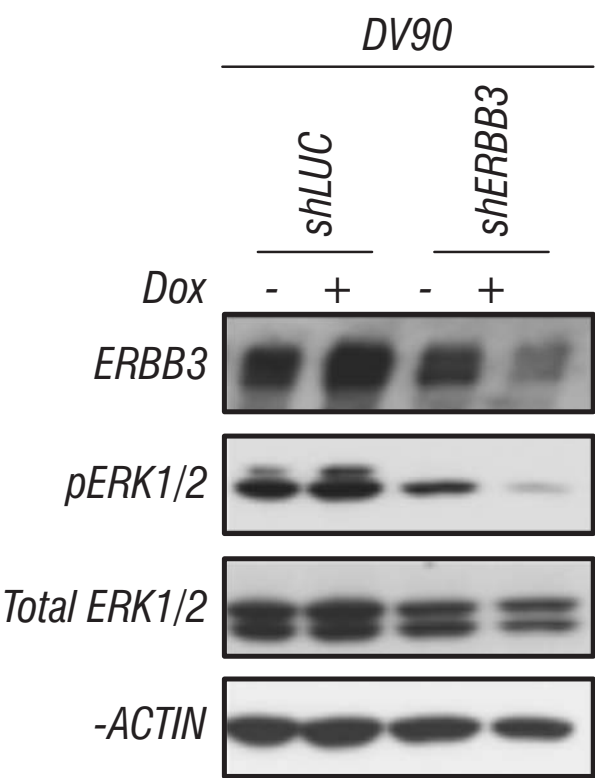


FIG. 38B

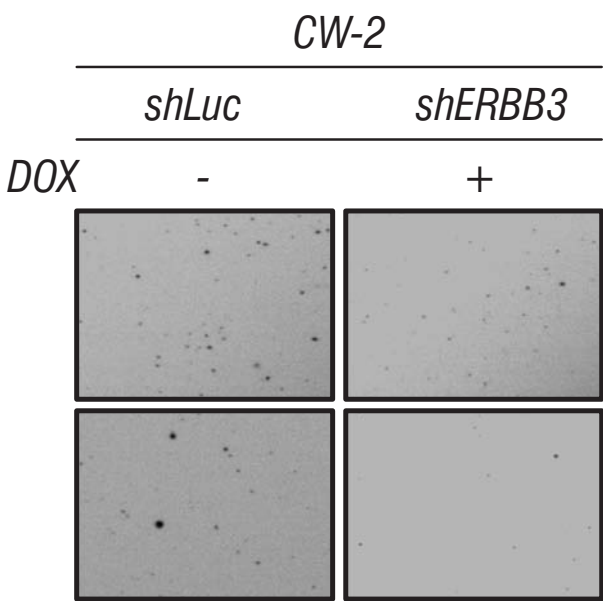


FIG. 38C

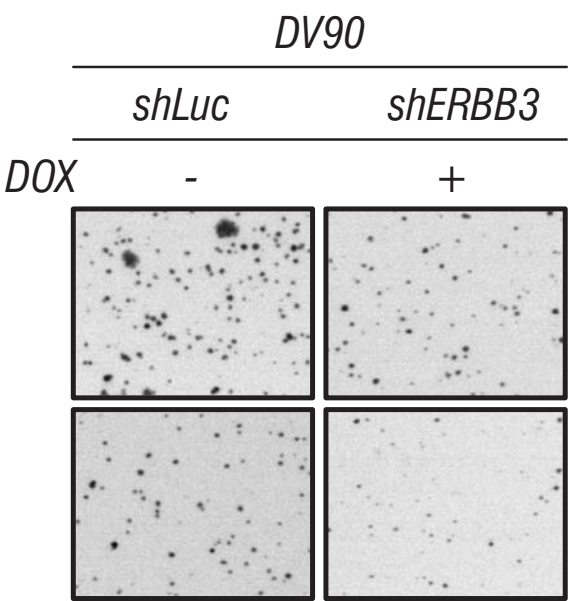


FIG. 38D

78/83

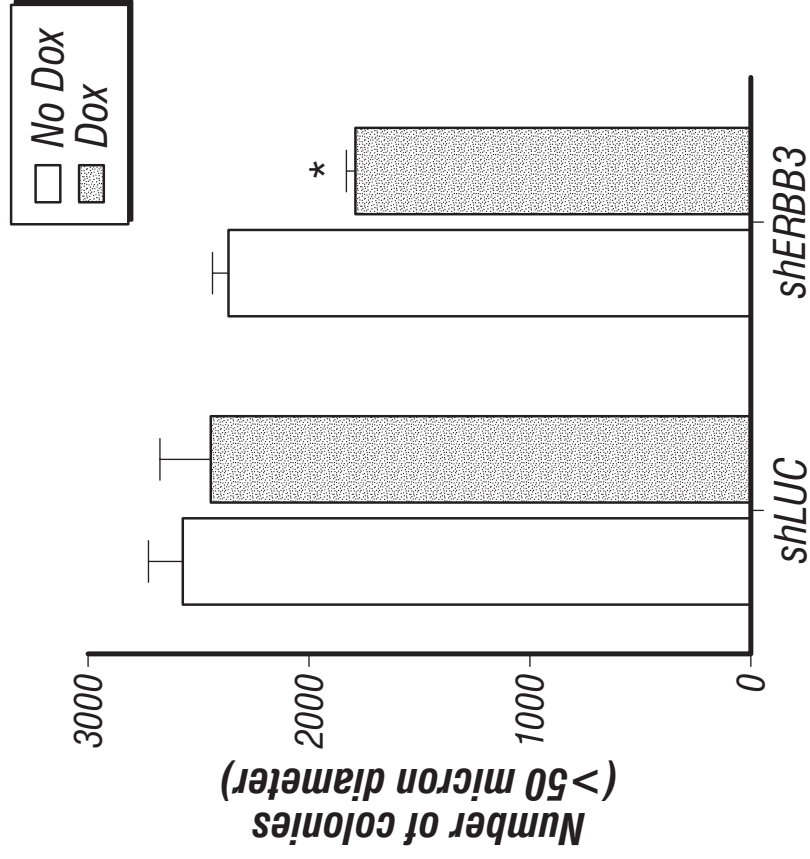


FIG. 38F

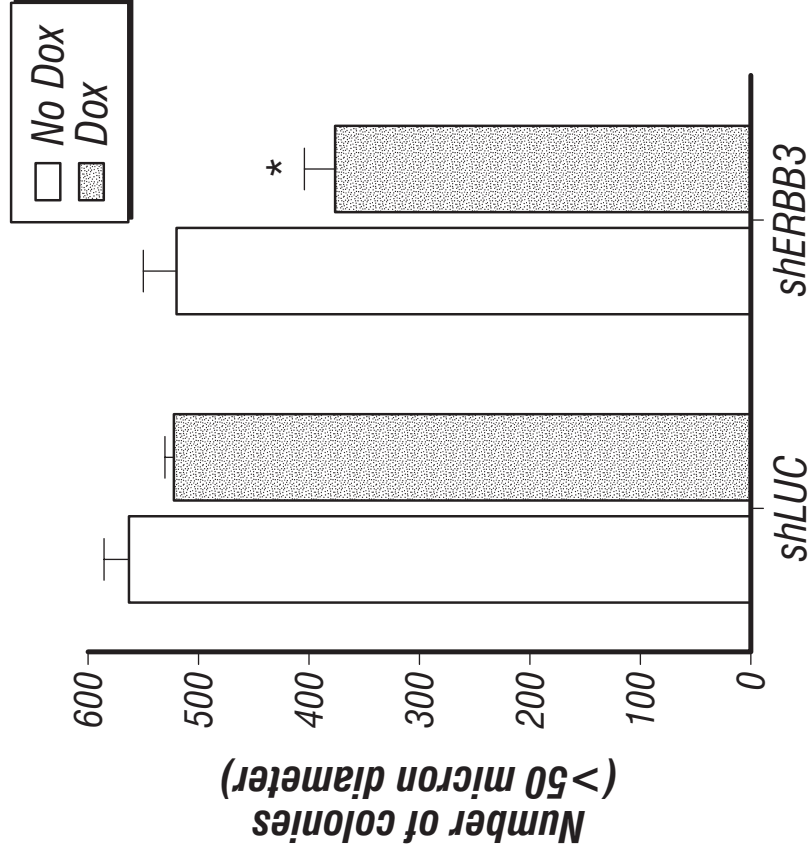


FIG. 38E

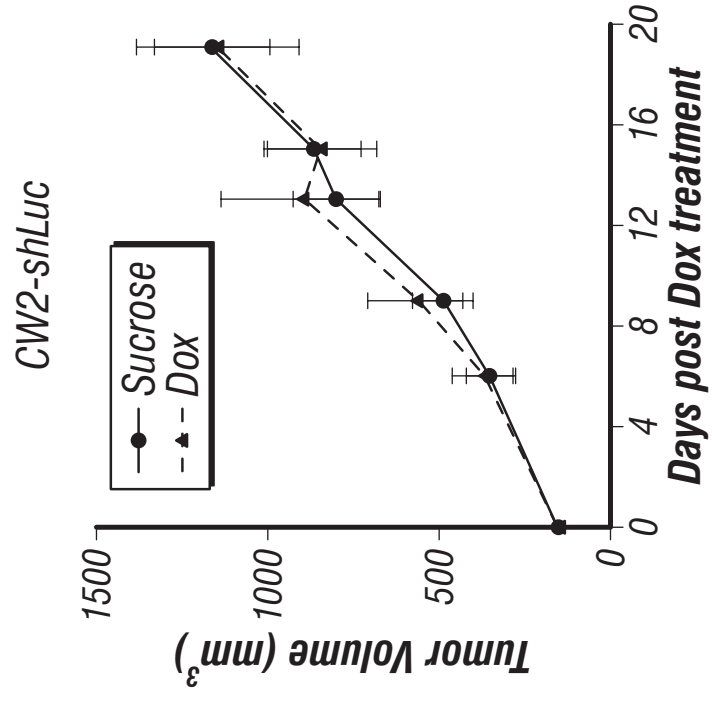


FIG. 38G

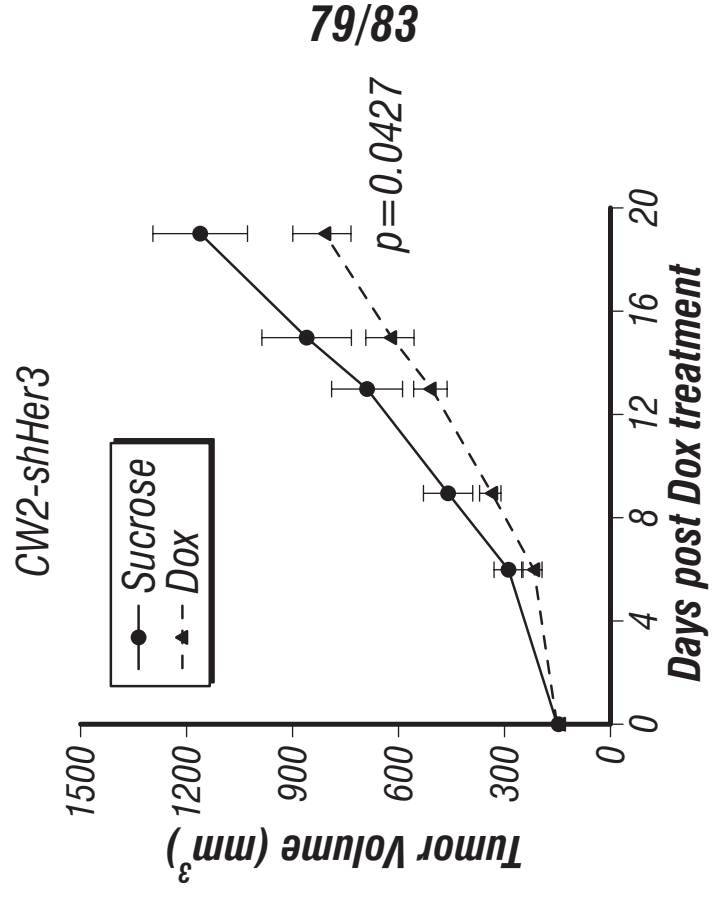


FIG. 38H

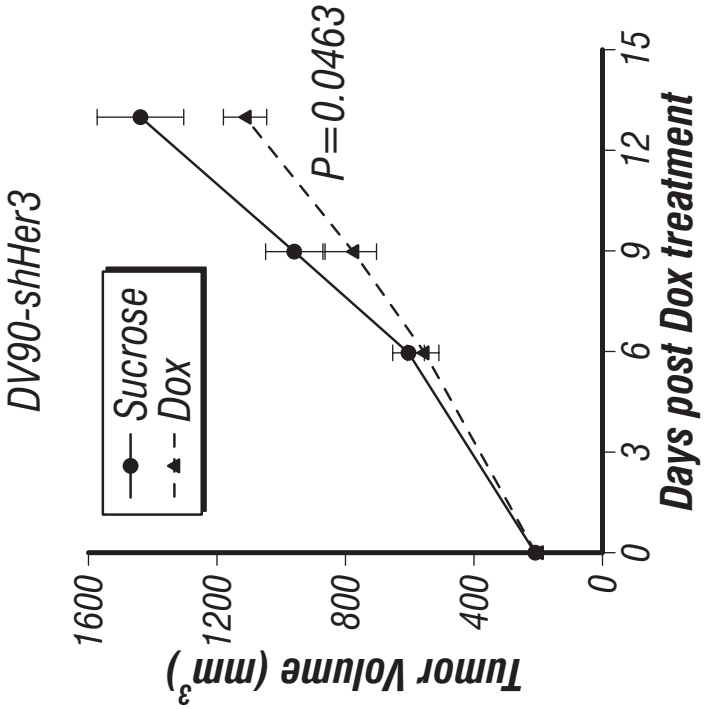


FIG. 38J

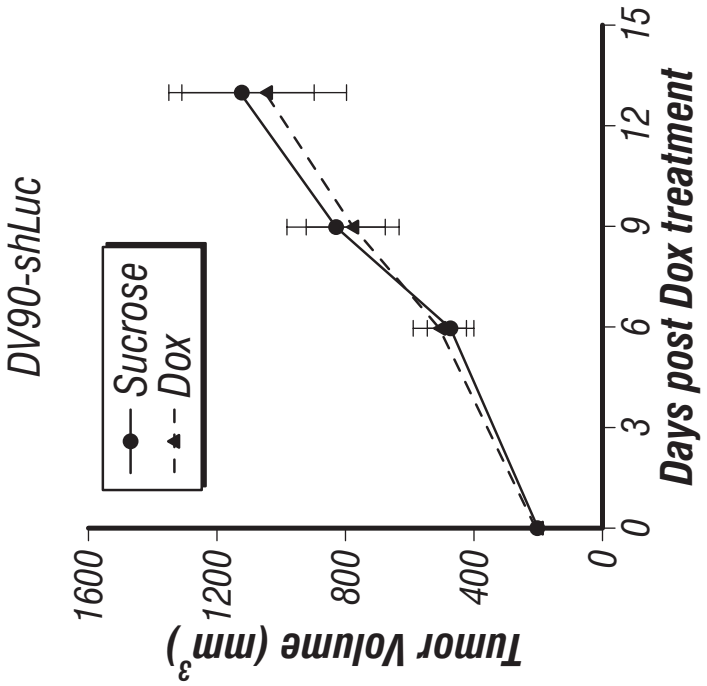


FIG. 38I

Atgagggcggaacgacgctctgcaggtgctgggcttgcttttcagcctggcccggggctcc 20
 M R A N D A L Q V L G L L F S L A R G S
 gaggtgggcaactctcaggcagtgctcctgggactctgaatggcctgagtgtagccggc 40
 E V G N S Q A V C P G T L N G L S V T G
 gatgctgagaaccaataaccagacactgtacaagctctacgagaggtgtgaggtggtg **atg** 60
 D A E N Q Y Q T L Y K L Y E R C E V V **M**
 gggaaccttgagattgtgctcacg **gga** cacaatgccacctctccttctcagtgaggatt 80
 G N L E I V L T **G** H N A D L S F L Q W I
 cgagaagtgcacaggctatgtcctcgtggcc **atg** aatgaattctctactctaccattgcc 100
 R E V T G Y V L V A **M** N E F S T L P L P
 aacctccgctg **gtg** **gtg** cgagggaccaggtct **tac** gatgggaagtttgccatcttcgtcatg 120
 N L R **V** V R G T Q V **Y** D G K F A I F V M
 ttgaactataacaccaactccagccacgctctgcgccagctd **cgc** ttgactcagctcacc 140
 L N Y N T N S S H A L R Q L **R** L T Q L T
 gagattctgtcagggggtgtttatattgagaagaacgataagctttgtcacatggacaca 160
 E I L S G G V Y I E K N D K L C H M D T
 attgactggagggacatcgtgagggaccgagatgctgagatagtggtgaaggacaatggc 180
 I D W R D I V R D R D A E I V V K D N G
 agaagctgtccccctgtcatgaggtttgcaaggg **cga** tgcgtggggtcctggatcagaa 200
 R S C P P C H E V C K G **R** C W G P G S E
 gactgccagacattgaccaagaccatctgtgctcctcagtgtaatggtcactgctttggg 220
 D C Q T L T K T I C A P Q C N G H C F G
 cccaaccccaaccagtgctgccatgatgagtg **gcc** gggggtgctcaggccctcaggac 240
 P N P N Q C C H D E C **A** G G C S G P Q D
 acagactgctttgcctgccggcacttcaatgacagtggagcctgtgtacctcgctgtcca 260
 T D C F A C R H F N D S G A C V P R C P
 cag **cct** ttgtgtctacaacaagctaacttt **cag** ctggaacccaatccccacaccaagtat 280
 Q **P** L V Y N K L T F **Q** L E P N P H T K Y
 cagtatggaggagtttgtagccagctgtcccccataacttt **gtg** **gatcaa** acatcc 300
 Q Y G G V C V A S C P H N F **V** V **D** **Q** T S
 tgtgtcagggcctgtcctcctgacaagatggaagtagataaaaaatgggctcaagatgtgt 320
 C V R A C P P D K M E V D K N G L K M C
 gagccttggtggg **gga** ctatgtcccaaagcctgtgaggggaacaggctctgggagccgcttc 340
 E P C G **G** L C P K A C E G T G S G S R F
 cagactgtggactcgagcaacattgatggatttgtgaactg **acca** agatcctgggcaac 360
 Q T V D S S N I D G F V N C **T** K I L G N
 ctggactttctgatcaccggcctcaatggagaccctggcacaagatccctgcctggac 380
 L D F L I T G L N G D P W H K I P A L D
 ccagagaagctcaatgtcttccg **aca** gtacgggagatcacaggttacctgaacatccag 400
 P E K L N V F R **T** V R E I T G Y L N I Q
 tcctggccgccccac **atg** cacaacttcagtgtttttccaatttgacaaccattggaggc 420
 S W P P H **M** H N F S V F S N L T T I G G
 agaagcctctacaacccggggttctcattgttgatcatgaagaacttgaat **gtc** acatct 440
 R S L Y N R G F S L L I M K N L N **V** T S
 ctgggcttccgatccctgaaggaaattagtgctgg **cgt** atctatataagtgccaatagg 460
 L G F R S L K E I S A G **R** I Y I S A N R
 cagctctg **tac** caccactctttgaactggaccaaggtgcttcgggggcctacggaagag 480
 Q L C **Y** H H S L N W T K V L R G P T E E
 cgactagacatcaagcataatcgggccgcgcag **gac** tgcgtggcagaggg **aaa** gtgtgt 500
 R L D I K H N R P R R **D** C V A E G **K** V C
 gaccactgtgctcctctgggggatgctggggcccaggccctggtcagtgcttgcctgt 520
 D P L C S S G G C W G P G P G Q C L S C

FIG. 39

cgaaattatagccgaggaggtgtctgtgtgacccactgcaactttctgaatggggagcct
 R N Y S R G G V C V T H C N F L N G E P 540
 cgagaatttgcccatgaggccgaatgcttctcctgccaccggaatgccaacccatggag
 R E F A H E A E C F S C H P E C Q P M E 560
 ggcaactgccacatgcaatggctcgggctctgatacttgtgctcaatgtgccattttcga
 G T A T C N G S G S D T C A Q C A H F R 580
 gatgggccccactgtgtgagcagctgcccccatggagtcctaggtgccaaagggcccaatc
 D G P H C V S S C P H G V L G A K G P I 600
 tacaagtaccagatgttcagaatgaatgtcggccctgccatgagaactgcacccagggg
 Y K Y P D V Q N E C R P C H E N C T Q G 620
 tgtaaaggaccagagcttcaagactgtttaggacaaacactgggtgctgatcggcaaaacc
 C K G P E L Q D C L G Q T L V L I G K T 640
 catctgacaatggctttgacagtgatagcaggattggtagtgattttcatgatgctgggc
 H L T M A L T V I A G L V V I F M M L G 660
 ggcacttttctctactggcgtgggcgcggattcagaataaaagggctatgaggcgatac
 G T F L Y W R G R R I Q N K R A M R R Y 680
 ttggaacggggtgagagcatagagcctctggacccagtgagaaggctaacaaagtcttg
 L E R G E S I E P L D P S E K A N K V L 700
 gccagaatcttcaaagagacagagctaaggaagcttaaaagtgcttggtcgggtgtcttt
 A R I F K E T E L R K L K V L G S G V F 720
 ggaactgtgcacaaaggagtgtggatccctgaggggtgaatcaatcaagattccagctgc
 G T V H K G V W I P E G E S I K I P V C 740
 attaaagtcattgaggacaagagtggacggcagagttttcaagctgtgacagatcatatg
 I K V I E D K S G R Q S F Q A V T D H M 760
 ctggccattggcagcctggaccatgccacattgtaaggctgctgggactatgccaggg
 L A I G S L D H A H I V R L L G L C P G 780
 tcatctctgcagcttgtcactcaatatttgctctgggttctctgctggatcatgtgaga
 S S L Q L V T Q Y L P L G S L L D H V R 800
 caacaccggggggcactggggccaagctgctgctcaactggggagtacaaattgccaa
 Q H R G A L G P Q L L L N W G V Q I A K 820
 ggaatgtactaccttgaggaacatggtatggtgcatagaaacctggctgcccgaaacgtg
 G M Y Y L E E H G M V H R N L A A R N V 840
 ctactcaagtcaccagtcaggttcaggtggcagatttttggtgtggctgacctgctgct
 L L K S P S Q V Q V A D F G V A D L L P 860
 cctgatgataagcagctgctatacagtggagccaagactccaattaagtggatggccctt
 P D D K Q L L Y S E A K T P I K W M A L 880
 gagagtatccactttgggaaatacacacacagagtgatgtctggagctatgggtgtgaca
 E S I H F G K Y T H Q S D V W S Y G V T 900
 gtttgggagttgatgaccttcggggcagagccctatgcagggtacgattggctgaagta
 V W E L M T F G A E P Y A G L R L A E V 920
 ccagacctgctagagaagggggagcggttggcacagccccagatctgcacaattgatgtc
 P D L L E K G E R L A Q P Q I C T I D V 940
 tacatggtgatggtcaagtgttggatgattgatgagaacattcgcccaaccttttaagaa
 Y M V M V K C W M I D E N I R P T F K E 960
 ctagccaatgagttcaccaggatggcccgagaccaccacgggtatctggtcataaagaga
 L A N E F T R M A R D P P R Y L V I K R 980
 gagagtgggcctggaatagcccctggggccagagccccatggtctgacaaacaagaagcta
 E S G P G I A P G P E P H G L T N K K L 1000
 gaggaagtagagctggagccagaactagacctagaccttagacttggaagcagaggaggac
 E E V E L E P E L D L D L D L E A E E D 1020
 aacctggcaaccaccactgggctccgccctcagcctaccagttggaacacttaatcgg
 N L A T T T L G S A L S L P V G T L N R 1040

FIG. 39
(Cont'd)

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ccacgtgggagccagagccttttaagtccatcatctggatacatgcccatgaaccaggggt
P R G S Q S L L S P S S G Y M P M N Q G 1060
aatcttggggagtccttgccaggagtctgcagtttctgggagcagtgaaacgggtgccccgt
N L G E S C Q E S A V S G S S E R C P R 1080
ccagtctctctacacccaatgccacgggggatgcctggcatcagagtcacagagggggcat
P V S L H P M P R G C L A S E S S E G H 1100
gtaacaggctctgaggctgagctccaggagaaagtgtcaatgtgtaggagccggagcagg
V T G S E A E L Q E K V S M C R S R S R 1120
agccggagcccacggccacgcggagatagcgcctaccattcccagcggccacagtcctgctg
S R S P R P R G D S A Y H S Q R H S L L 1140
actcctgttaccctctctcccccacccgggttagaggaagaggatgtcaacgggttatgtc
T P V T P L S P P G L E E E D V N G Y V 1160
atgccagatcacacctcaaaggctactccctcctccgggaaggcaccctttcttcagtg
M P D T H L K G T P S S R E G T L S S V 1180
ggctctcagttctgtcctgggtactgaagaagaagatgaagatgaggagtagatgaatacatg
G L S S V L G T E E E D E D E E Y E Y M 1200
aaccggaggagaaggcacagtcacacctcatccccctaggccaagttcccttgaggagctg
N R R R R H S P P H P P R P S S L E E L 1220
ggttatgagtacatggatgtgggggtcagacctcagtcctctctgggcagcacacagagt
G Y E Y M D V G S D L S A S L G S T Q S 1240
tgcccactccaccctgtacccatcatgccactgcaggcacaactccagatgaagactat
C P L H P V P I M P T A G T T P D E D Y 1260
gaatatatgaatcggcaacgagatggaggtgggtcctgggggtgattatgcagccatgggg
E Y M N R Q R D G G G P G G D Y A A M G 1280
gcctgcccagcatctgagcaagggtatgaagagatgagagcttttcaggggcctggacat
A C P A S E Q G Y E E M R A F Q G P G H 1300
caggccccccatgtccattatgccgcctaaaaactctacgtagcttagaggctacagac
Q A P H V H Y A R L K T L R S L E A T D 1320
tctgcctttgataaccctgattactggcatagcaggccttttccccaaggctaatagccag
S A F D N P D Y W H S R L F P K A N A Q 1340
agaacgtaa (SEQ ID NO: 230)
R T - (SEQ ID NO: 231)

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FIG. 39
(Cont'd)