

Fig. S1. Alignment of different mammalian fascin 3 proteins. The deduced amino acid sequence of the porcine fascin 3 is shown aligned to that from cow (*Bos taurus*, GenBank accession number XM_589345), human (*Homo sapiens*, AF281049), rat (*Rattus norvegicus*, NM_001004232) and mouse (*Mus musculus*, AF176024). The numbers represent the position of the amino acids in the respective protein sequences. Identical amino acid residues in all sequences are indicated by asterisks.

Pig	MDEAEWTPRPARAEDLRVGLISWAGSYLTFETYKNTVTATAKGLGRRQTWEILVSNEHDA	60
Cow	MEEVEWTPRQPRAEDLRVGLISWAGSYLTYEPFKNTVTATAKGLGRRQTWEILVSNEHET	60
Human	MDETEWIHRHPKAEDLRVGLISWAGTYLTFEACKNTVTATAKSLGRRQTWEILVSNEHET	60
Rat	MAEVDWIHRHPKAEDLRVGLISWAGTYLTFEAYKSTVTATAKSLGRRQTWELLVSNEHET	60
Mouse	MAEVDWIHRHPKAEDLRVGLISWAGTYLTFEAYKSSVTASAKSLGRRQTWELLVSNEHES	60
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Pig	QAMVRLRSLQGLYLLCEADGSLCYGRPRTSHHGCFLLRFHRNGKWTLCIISGRYLES DG	120
Cow	QAVVRLRSLQGLYLLCEADGSLCYGRPRTSHHGCFLLRFHRNGQWTLCIISGRYLES DG	120
Human	QAVVRLKSVQGLYLLCECDGTVCYGRPRTSHHGCFLLRFHRNSKWTLCIISGRYLES NG	120
Rat	QAVVRLKSLQGLYLLCEADGTVCYGPRTSHHGCFLLRFHRNGKWTLCIISGRYLES DG	120
Mouse	QAVIRLKSLQGLYLLCEADGTVCYGRPRTSHHGCFLLRFHRNGKWTLCIISGRYLES DG	120
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Pig	EDVFCTSRVLSAYHMTWTPRALHVHVILYSPLNRCYARADPTMGRVWVDAPVPCLEECGF	180
Cow	EDVFCTSRVLSAYHMTWTPRALHVHVILFSPLNHCYARADPTMGRVWVDAPIPCLEECGF	180
Human	KDVFCTSHVLSAYHMTWTPRALHVHVILYSPIHRCYARADPTMGRIWVDAAVPCLEECGF	180
Rat	QDVFCSNRVLSAYHMTWTPRALHVHVILYSPTYHSYARADHTVGRVWVDAAVPCLEECGF	180
Mouse	EDVFCNSRVLSAYHMTWTPRALHVHVILYSPIYHSYARADHTVGRVWVDAAPPCLEECGF	180
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Pig	LLHFQDGCYHLETSAHTFLSHLDRLVSQPSTQTAFHMQVRPGGLVALSDGEGGTLYPQGT	240
Cow	LLHFQDGCYHLETSAHTFLSHLDRLVSQPSTQTAFHMQVRPGGLVALSDGEGGMLYPQGT	240
Human	LLHFRDGCYHLETSTHHFLSHVDRLFSQPSSQTAFHMQVRPGGLVALCDGEGGMLYPQGT	240
Rat	LLHFQDGCYHLETSTHHFLSRVDRLVPKRSTQTAFHMQVRPRGLVALCDGEGGSLYPQGS	240
Mouse	LLHFQDGCYHLETSTHHFLSRVDRLVQRSSQTAFHMQVRPRGLVALCDGEGGTLYPAGS	240
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Pig	RLLLGLGSSPCGGEWFILQRCPTWVSLRSKTRKFLSIVYDVEVCAASEHITPMSLFQFE	300
Cow	RLLLSLGSNPHGGEWFILQRCPTWVSLTSKARKFLSVIYDVEVCAASEHISPMSLFQFE	300
Human	HLLLGMCNPMRGEWFILQHCPTWVSLRSKTGRFISVIYDGEVRAASERLNRMSLFQFE	300
Rat	HLLLGLGSTPMKGEWFVLQHFPAWVSLKSKSRRFLSVIYDAEVCAASERLTQMSLFQYE	300
Mouse	HLLLGMSGAPMKGEWFVLQHFPWVSLKSKSRRFLSVIYDAEVCAASERLTQMSLFQYE	300
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Pig	CNNESPNVQLRSSNGCYLVQRRHRTVMADGHPLESDTFFRMHWNCGRILLQSPNGRFLGI	360
Cow	CDNETPTLQLRSANGCYLAQRRHRAVMADGHPVECECTFFRMHWNCGRILLQSPNGRFLGI	360
Human	CDSESPTVQLRSANGYYLSQRRHRAVMADGHPLESDTFFRMHWNCGRILLQSCRGRFLGI	360
Rat	CDSESPILQLRSANGFYLAQRRHRAIIADGHPMESDTFFRVHWNCGKITLQSPNGRFLSI	360
Mouse	CDSETPTLQLRSANGYYLAQRRHRAIIADGHPMESDTFFRVHWNCGKITLQSPNGRFLGI	360
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Pig	VANGLLMANATIPGPNEEFGIRLANRPFLALRGRYGYVGTSSSEHDLLQCNMDQPDICHL	420
Cow	AANGLLMASATVPGPNEEFGIRLANRSFLALRGRYGYVGTSSSEHDLLQCNMDQPDICHL	420
Human	APNSLLMANVILPGPNEEFGILFANRSFLVLRGRYGYVGSSSGHDLLQCNQDQPDRIHL	420
Rat	ASNGLLMSNVTIPGPNEELGIRFANRPFLVLRGRYGYVGSSSDHDLLKCNMDQPDICQL	420
Mouse	ASDGLLMANVTIPGPNEELGIRFANRPFLVLRGRYGYVGSSSDHDLLKCNMDQPDICQL	420
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Pig	PCRQGIYHFQAQGGSFWSITSFGTFRPWGKFALNFCIELQGSNLLTVLAPNGFYMRSDRS	480
Cow	PCRQGIYHFQAQGGSFWSITSFGTFRPWGKFALNFCIELQGSNLLTVLAPNGFYMRSDRS	480
Human	PCRPGIYHFQAQGGSFWSITSFGTFRPWGKFALNFCIELQGSNLLTVLAPNGFYMRADQS	480
Rat	PCHQGIYHFQAQGGSFWSITSFGTFRPWGKFALNFCIELQGSLLTVLAPNGFYLRADRS	480
Mouse	PCRQGIYHFQAQGGSFWSITSFGTFRPWGKFALNFCIELQGSLLTVLAPNGFYLRADRS	480

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Pig      GTLLADSEEDITKECIWEF      498
Cow      GTLLADSEEDITKECIWEF      498
Human    GTLLADSEEDITRECIWEF      498
Rat      GTLLADSEEITKECIWEF      498
Mouse    GTLLADSEEITKECIWEF      498
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